



PHILIPS

OEM LED catalogue

January 2019



OEM LED catalogue 2019



Content

Introduction

| | |
|---------------|---|
| Our range | 7 |
| Just released | 8 |

LED Modules

| | |
|-------------------------------------------------------------|-----------|
| LED Modules portfolio | 17 |
| Downlight Modules | |
| Fortimo DLM EaseSelect Gen2 | 20 |
| CertaFlux DLM EaseSelect Gen1 | 21 |
| Fortimo DLM Flex Gen2 | 22 |
| CertaFlux DLM Slim | 24 |
| CertaFlux DLM EaseSelect Ceiling Light | 26 |
| Spotlight Modules | |
| Fortimo SLM Gen6 CrispWhite | 30 |
| Fortimo SLM Gen6 – Food WarmWhite and Food PremiumRed | 32 |
| New! Fortimo SLM Gen7 | 34 |
| Fortimo SLM Gen7 Premium White | 37 |
| Fortimo SLM Gen7 Premium Color | 39 |
| Fortimo SLM holders | 40 |
| Fortimo SLM EaseSelect Gen1 | 41 |
| CertaFlux SLM Gen1 | 42 |
| New! CertaFlux SLM holders | 45 |
| Retail Display Lighting | |
| New! InteGrade LED System Gen3 - Premium White Range | 49 |
| New! InteGrade LED System Gen3 -Standard Color Range | 52 |
| New! InteGrade LED System High Flux Gen3 | 58 |
| New! CertaFlux RDL LED System Gen1 | 60 |
| New! PrimeSet RDL 500/510 LED System Gen1 | 62 |
| New! PrimeSet LDM524 LED System Gen1 | 64 |
| Coming Soon! Fortimo LEDFlex Gen1 | 65 |
| Linear Modules | |
| Fortimo LED Line Gen4 | 68 |

LED Modules

| | |
|-------------------------------------------------|------------|
| Fortimo LED Line HighFlux Gen3 | 70 |
| Fortimo LED Strip Gen4 – 0.5ft, 1ft, 2ft | 72 |
| Fortimo LED Strip Gen4 – 4ft, 5ft | 75 |
| Fortimo LED Square Gen2 | 80 |
| CertaFlux LED Square | 82 |
| CertaFlux LED Strip Gen3 | 85 |
| Coming Soon! CertaFlux LED Strip Gen4 | 87 |
| Outdoor Modules | |
| Fortimo FastFlex Gen4 | 90 |
| Fortimo FastFlex IP66 | 92 |
| CertaFlux PLM | 93 |
| Industrial Modules | |
| Fortimo High Bay | 96 |
| LED Electronics Easy Design-in tool | 98 |
| LED Drivers | |
| LED Drivers portfolio | 102 |
| Our range | 103 |
| Philips Xitanium SR and other components | |
| Connectivity in Linear Lighting | 107 |
| New! Connectivity in Outdoor Lighting | 108 |
| EasyAir Industry Sensor SNH200 | 109 |
| New! IR Dongle (Accessories) | 109 |
| New! EasyAir Outdoor Module SNO110 | 110 |
| New! Wireless Bridgebox and Accessories | 111 |

LED Drivers

| | |
|--------------------------------------------------------|------------|
| Outdoor Drivers | |
| Xitanium Full Programmable | 114 |
| New! Xitanium Lite Programmable | 115 |
| Xitanium Adjustable Output Current | 116 |
| New! Xitanium Dim Single Current | 118 |
| New! Xitanium Single Current | 119 |
| Industrial Drivers | |
| Xitanium Dim Single Current High Bay | 122 |
| Indoor Point Drivers | |
| Xitanium Programmable | 126 |
| Xitanium Adjustable Output Current (WH Family) | 127 |
| Xitanium Adjustable Output Current (Mini Family) | 128 |
| Xitanium Single Current (Mini Family) | 129 |
| Xitanium Single Current | 130 |
| Xitanium Single Current TE | 131 |
| New! Xitanium Track Adaptor Driver (3 circuits) | 132 |
| CertaDrive Mini Family | 133 |
| CertaDrive Single Current Gen2 | 134 |
| New! CertaDrive Single Current (LPF Family) | 135 |
| Indoor Linear Drivers | |
| Xitanium Programmable | 138 |
| Xitanium Adjustable Output Current | 39 |
| New! Xitanium Single Current | 140 |
| CertaDrive Single Current | 141 |
| LED Transformer | |
| Performance | 144 |
| Mainstream | 145 |
| MultiOne Configurator | 147 |

LED Lamps

| | |
|--------------------------------------|------------|
| LED spot | |
| Master LED MR16 ExpertColor | 154 |
| Master LED MR16 | 156 |
| Master LED MR11 | 158 |
| New! High Lumen MR16 | 159 |
| Master LED GU10 & Essential LED GU10 | 160 |
| Master LED AR111 | 162 |
| Master LED PAR & Essential LED PAR | 163 |
| High Lumen PAR30L | 164 |
| New! LED Capsules | 165 |
| LED tube | |
| New! Master LEDtube | 168 |
| New! Essential LEDtube T8 | 169 |
| New! Essential LEDtube T5 | 169 |
| New! LED PLC | 170 |
| New! Sensor LEDtube | 171 |
| LED candle and lustre | |
| Master LEDcandle DimTone | 174 |
| Master LEDlustre DimTone | 175 |
| LED HID | |
| TrueForce LED HighBay | 178 |
| New! TrueForce LED Public | 179 |
| New! TrueForce LED Road | 180 |
| LED bulb | |
| MyCare LED bulb | 184 |
| New! WarmGlow Dim Bulb | 185 |
| New! Philips LEDstick | 186 |
| Master LEDBulb Dimtone | 187 |
| LED Deco Classic | 188 |
| New! Scene Switch LED bulb | 190 |
| High Lumen LEDBulb | 191 |
| LED Deco Classic | 192 |

Others

| | |
|--------------------------|-----|
| Visit our website | 194 |
| Technical specifications | 195 |



Our range

LED Modules and LED Drivers

Philips has designed these families of Systems and Drivers, each with their features and benefits, to help you in designing luminaires for a variety of application. Get to know these products better with this latest catalogue, and we are certain that they will meet your OEM needs.

Fortimo LED Modules

Fortimo LED Modules bring you maximum performance and compatibility. Engineered to be robust, they are highly reliable and of exceptional light quality. The energy-efficient range of portfolio can cover downlight, spotlight, linear and outdoor LED light engines for use in indoor and outdoor luminaires. Standard local system warranty from Philips applies.

Xitanium LED Drivers

Our popular Xitanium LED Drivers are reliable, robust and offer much needed flexibility through the operating window and its smart features. They are designed and manufactured for indoor and outdoor applications, available in various form factors with fixed light output, dimming and programmable versions. A unique characteristic of the Xitanium LED Drivers is that it actually allows one to carry out late stage programming and drivers configuration, which is very helpful in the production process.

CertaFlux LED Modules

CertaFlux LED Modules offer basic product performance and functionalities, with a quality of light that is good enough to meet the market needs for basic, general lighting. They are designed for luminaires targeted at high volume markets. These LED Modules come complete with standard local system warranty.

CertaDrive LED Drivers

CertaDrive LED Drivers are designed to meet the market needs for basic lighting. These are ideal for high volume manufacturing and design, suitable for applications to be put together along with CertaFlux LED Modules. Offering basic specifications, such as specific current and voltage settings, they are basic but efficient and dependable. Each driver comes with standard local warranty.

Just released

As with every year, the passionate team at Philips endeavors to bring you a series of new product introductions that are relevant to your design and business needs.

LED Indoor Modules – Spotlight



Fortimo SLM Gen7

Fortimo SLM Gen7 continues to focus on the combination of Quality of Light and Energy efficacy and miniaturization in a future proof and backwards compatible portfolio. This results in an extensive portfolio of lumen ranges, CCTs and spectra. In parallel, +8% efficacy is achieved in average Vs Gen 6

See page 34

Fortimo SLM Gen7 Premium Color

With continuous enhancement of quality of light, Fortimo SLM Gen7 Premium Color range brings excellent experiences of shoppers with best displayed merchandise in fashion retail.

See page 39

Retail Display Lighting



CertaFlux RDL Gen1

Discount and price-fighter retail chains focus on costs. They leverage purchasing power to deliver value, and the customer expects affordable prices and a functional shopping experience. The lighting must support this image, which is where the Philips Certaflex RDL portfolio comes in. It has established itself as an energy-efficient way to deliver the quality of light this cost-sensitive retail sector is looking for, especially in cooler and shelf applications.

See page 60



Fortimo LEDFlex Gen1 (Coming Soon)

Fortimo LEDFlex gen 1 combined with our premium white spotlighting solutions the InteGrade LED system premium white gen 3 will enable you to create a single look and feel for the whole store, for the ultimate shopping experience.

See page 65

LED Indoor Modules – Spotlight



CertaFlux SLM Holders

After Certaflex SLM Gen1 CoB, compatible holders are released. The holders will help to maximum easy design in customers sides. 4 SKUs are included in the family

See page 45

LED Outdoor Modules



Fortimo FastFlex IP66

Fortimo FastFlex IP66 (FFIP) Modules offering best-in-class energy efficacy are designed to provide a total IP solution perfect for easy design-in in outdoor as well as industry applications

See page 92

Just released

LED Drivers – Smart Electronics



Xitanium SR Outdoor 150W/75W IP67 Drivers Xitanium SR Outdoor 150W IP67 Drivers Connector version

With these new SR outdoor drivers you can build connected solutions in outdoor together with our SR Certified outdoor partners that offer city management systems

See page 108



IR Dongle (Accessories)

After launching LV/isolated drivers we have now completed the range of linear SR drivers by introducing a full portfolio of HV/non-isolated linear drivers with SR functionality

See page 109

LED Drivers – Outdoor Drivers



Xitanium Lite Programmable 220W/150/100W IP67 drivers Xitanium Lite Programmable 65W IP67 driver

Designed to delivery high-end performance and configurability via SimpleSet, IP67 LED Driver for harsh outdoor application

See page 115

LED Drivers – Smart Electronics



EasyAir Outdoor Module SNO110

The EasyAir outdoor module offers a simple method to switch on/off the light, regulate the light and enables a very accurate DynaDimmer schedule. Settings can easily be configured by SimpleSet or via the secured Bluetooth connection. The module fits on the new universal SR outdoor connector and enables customers to offer flexible and future proof solutions.

See page 110



Bridgebox and Accessories

The wireless bridge box and accessories communicate with each other by Zigbee protocol which can easily realize the wireless connect system for local and remote control purpose.

See page 111

LED Drivers – Indoor Point Drivers



Xitanium Track Adaptor Drivers (3 circuits)

Track Adaptor Driver is a great innovation to minimize the track light luminaire in a most reliable and cost effect way.

See page 132



CertaDrive LPF 14W-20W

Extend the low power factor portfolio into 14W to 20W which give customer more flexibility.

See page 135

Just released

LED Drivers – Indoor Linear Drivers



Xitanium 30-44W 1-10V Single Current Isolated driver, Independent

Reliable and robust 1-10V dimmable driver, dim down to 5%, with industry leading performance and single current output for optimized cost

See page 140

LED Lamps - Tube



Essential LEDtube T5

Philips Essential LEDtube T5 helps customers to achieve up to 50% energy savings and significant maintenance cost reduction

See page 169



Sensor LEDtube

Philips sensor LEDtube helps customers to achieve up to 60% energy savings and significant maintenance cost reduction

See page 171

LED Lamps - Spot



High Lumen MR16

Philips high lumen LED MR16 brings out the true beauty of the merchandise by intense light with small form factor. It provides the right light to emphasize the merchandise and create bright and refreshing shopping environment. Not only its superior light quality, its innovative, trim-less V-groove lens will suit any kind of store interior without creating techy look. It is a hasslefree retrofit solution. It fits most of luminaires to make re-lamping and renovation projects as easy as possible.

See page 159



LED Capsules

Philips LED Capsules create a warm, sparkling and comfortable ambience for hotels, homes and hospitality venues, the new small form factor makes them the ideal retrofit solution for Halogen capsules without having to change your luminaire. Dimmable and non-dimmable models are available for your careful selection to meet various application needs.

See page 165

LED Lamps - Bulb



Philips LEDstick

Philips LEDstick deliver high quality light in a compact design ideal for downlights and slim luminaire applications, making it ideal for general lighting applications in the retail and hospitality industry by offering their guests a differentiating ambience and unique experience in public area

See page 186

LED Modules

LED Modules portfolio 17

Downlight Modules

| | |
|----------------------------------------|----|
| Fortimo DLM EaseSelect Gen2 | 20 |
| CertaFlux DLM EaseSelect Gen1 | 21 |
| Fortimo DLM Flex Gen2 | 22 |
| CertaFlux DLM Slim | 24 |
| CertaFlux DLM EaseSelect Ceiling Light | 26 |

Spotlight Modules

| | |
|-------------------------------------------------------|----|
| Fortimo SLM Gen6 CrispWhite | 30 |
| Fortimo SLM Gen6 – Food WarmWhite and Food PremiumRed | 32 |
| New! Fortimo SLM Gen7 | 34 |
| Fortimo SLM Gen7 Premium White | 37 |
| Fortimo SLM Gen7 Premium Color | 39 |
| Fortimo SLM holders | 40 |
| Fortimo SLM EaseSelect Gen1 | 41 |
| CertaFlux SLM Gen1 | 42 |
| New! CertaFlux SLM holders | 45 |

Retail Display Lighting

| | |
|-------------------------------------------------------------|----|
| New! InteGrade LED System Gen3 - Premium White Range | 49 |
| New! InteGrade LED System Gen3 -Standard Color Range | 52 |
| New! InteGrade LED System High Flux Gen3 | 58 |
| New! CertaFlux RDL LED System Gen1 | 60 |
| New! PrimeSet RDL 500/510 LED System Gen1 | 62 |
| New! PrimeSet LDM524 LED System Gen1 | 64 |
| Coming Soon! Fortimo LEDFlex Gen1 | 65 |

Linear Modules

| | |
|----------------------------------------------|----|
| Fortimo LED Line Gen4 | 68 |
| Fortimo LED Line HighFlux Gen3 | 70 |
| Fortimo LED Strip Gen4 – 0.5ft, 1ft, 2ft | 72 |
| Fortimo LED Strip Gen4 – 4ft, 5ft | 75 |
| Fortimo LED Square Gen2 | 80 |
| CertaFlux LED Square | 82 |
| CertaFlux LED Strip Gen3 | 85 |
| Coming Soon! CertaFlux LED Strip Gen4 | 87 |

Outdoor Modules

| | |
|-----------------------|----|
| Fortimo FastFlex Gen4 | 90 |
| Fortimo FastFlex IP66 | 92 |
| CertaFlux PLM | 93 |



























Industrial Modules

| | |
|--------------------------------------------|----|
| Fortimo High Bay | 96 |
| LED Electronics Easy Design-in tool | 98 |



LED Modules portfolio

Our range of Philips LED Modules are categorized for you to match your business requirements with ease. Refer to each range description to find out more.

| | Downlight Modules | Spotlight Modules | Linear Modules | Outdoor Modules | Industrial Modules |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|  Statement Connected and programmable | | Fortimo SLM Gen6 CrispWhite  1211 1208 1205 1203 1202 Fortimo SLM Gen6 - Food WarmWhite and Food PremiumRed  1211 1208 | | | |
|  Performance Flexible and future-proof | Fortimo DLM EaseSelect Gen1  Fortimo DLM Flex Gen2  Fortimo DLM EaseSelect Gen2  | Fortimo SLM Gen7 Standard  1216 1211 1208 1205 1203 1202 Fortimo SLM Gen7 PremiumWhite  1216 1211 1208 1205 1203 1202 Fortimo SLM Gen7 Premium Color  1211 1208 1205 1203 1202 Fortimo SLM EaseSelect Gen1  | Fortimo LED Line Gen4  Fortimo LED Line HighFlux Gen3  Fortimo LED Strip Gen4  0.5ft, 1ft, 2ft 4ft, 5ft Fortimo LED Square Gen2  | Fortimo FastFlex Gen 4  Fortimo FastFlex IP66  | Fortimo High Bay  |
|  Entry Foundation | Certaflex DLM Slim  4 inch 6 inch 8 inch Certaflex DLM EaseSelect Ceiling Light  | Certaflex SLM Gen1  1208 1205 1204 1203 1202 1201 | Certaflex LED Square  Certaflex LED Strip Gen3  | Certaflex PLM  | Certaflex PLM  |

Downlight Modules

Perfect downlighting can be achieved for offices, malls, hospitality and public buildings. Offering light of high quality, minimal glare and a high level of flexibility, our downlight systems can be easily integrated into your designs.



Fortimo DLM EaseSelect Gen2

Downlight

Fortimo DLM EaseSelect is a high performance driver on board (DoB) solution, delivering an excellent quality of light with low flicker. Having an integrated driver and the same mechanical footprint as existing DLM solutions (DLM Flex), enables easy and hassle free design-in. The Fortimo brand promise brings with it the assurance of quality, reliability and performance. Comparing to Gen1, Fortimo DLM ES Gen2 has improved in Output current ripple (Max 4%).

Features

- Low flicker (Max 4% for output current Ripple)
- Ease of design – in
- Cost-effective solution
- High system Lm/W of 116 for high end project needs
- Long life-time: 50,000 hours
- Excellent color consistency of 3 SDCM
- Full portfolio with all typical downlight lumen packages (1100 lm, 2000 lm, 3000 lm) and different CCTs (3000K, 4000K)

Benefits

- Excellent cost-performance
- Suitable for compact heat sink designs
- Long lasting
- Covers all downlight applications and ambiance needs
- Simple and easy to maintain

Applications

- Offices
- Public buildings
- Retail



Fortimo DLM EaseSelect Gen2

Product specifications

| Product type | Light output@ typical | Module power@ 230V | Module efficacy@ typical | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|----------------------------|-----------------------|--------------------|--------------------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo DLM ES 1100/830 G2 | 1080 | 9.5 | 114 | 3000 | > 80 | 3 | 70 | > 50,000 | 929001435506 |
| Fortimo DLM ES 1100/840 G2 | 1100 | 9.5 | 116 | 4000 | > 80 | 3 | 70 | > 50,000 | 929001435606 |
| Fortimo DLM ES 2000/830 G2 | 1930 | 17.5 | 110 | 3000 | > 80 | 3 | 70 | > 50,000 | 929001435706 |
| Fortimo DLM ES 2000/840 G2 | 2000 | 17.5 | 114 | 4000 | > 80 | 3 | 70 | > 50,000 | 929001435806 |
| Fortimo DLM ES 3000/830 G2 | 2850 | 26.5 | 108 | 3000 | > 80 | 3 | 70 | > 50,000 | 929001435906 |
| Fortimo DLM ES 3000/840 G2 | 3000 | 26.5 | 113 | 4000 | > 80 | 3 | 70 | > 50,000 | 929001436006 |

CertaFlux DLM EaseSelect Gen1

Downlight

CertaFlux DLM EaseSelect brings with it good performance in a cost effective driver on board (DoB) solution, delivering a high quality of light with low flicker. Having an integrated driver, enables easy and hassle free design-in.

Features

- Low flicker
- Ease of design – in
- Cost-effective solution
- Good enough Lm/W upto >100lm/w, more initial cost driven projects (CertaFlux)
- Long life-time: 35,000 hours
- Excellent color consistency of 3 SDCM
- Full portfolio with all typical downlight lumen packages (1100 lm, 2000 lm, 3000 lm) and different CCTs (3000K, 4000K, 6500K)

Benefits

- Excellent cost-performance
- Suitable for compact heat sink designs
- Long lasting
- Covers all downlight applications and ambiance needs
- Simple and easy to maintain

Applications

- Offices
- Public buildings
- Retail



CertaFlux DLM EaseSelect Gen1

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| CertaFlux DLM ES 1100/830 G1 | 1080 | 11.4 | 95 | 3000 | > 80 | 3 | 70 | > 35,000 | 929000997880 |
| CertaFlux DLM ES 1100/840 G1 | 1130 | 11.1 | 102 | 4000 | > 80 | 3 | 70 | > 35,000 | 929000997980 |
| CertaFlux DLM ES 1100/865 G1 | 1130 | 11.1 | 102 | 6500 | > 80 | 3 | 70 | > 35,000 | 929000998080 |
| CertaFlux DLM ES 2000/830 G1 | 1930 | 21.7 | 89 | 3000 | > 80 | 3 | 70 | > 35,000 | 929000998180 |
| CertaFlux DLM ES 2000/840 G1 | 2020 | 21.3 | 95 | 4000 | > 80 | 3 | 70 | > 35,000 | 929000998280 |
| CertaFlux DLM ES 2000/865 G1 | 2020 | 21.3 | 95 | 6500 | > 80 | 3 | 70 | > 35,000 | 929000998380 |
| CertaFlux DLM ES 3000/830 G1 | 2770 | 31 | 89 | 3000 | > 80 | 3 | 70 | > 35,000 | 929000998480 |
| CertaFlux DLM ES 3000/840 G1 | 2956 | 31 | 95 | 4000 | > 80 | 3 | 70 | > 35,000 | 929000998580 |
| CertaFlux DLM ES 3000/865 G1 | 2956 | 31 | 95 | 6500 | > 80 | 3 | 70 | > 35,000 | 929000998680 |

Fortimo DLM Flex Gen2

Downlight

Being the trend setter in high performance LED downlighting with the Fortimo DLM range, Philips introduced the next generation of the Fortimo LED DLM Flex family. Being backwards compatible with the previous generation, Fortimo LED DLM Flex Gen2 enables further optimization of existing as well as new flexible downlight luminaire designs.

Features

- Range of 1100 to 5000lm
- Offer includes PCB only version, shallow housing and high housing
- Compatible with both high performance, full flexibility window drivers and high value-for-money CertaDrive drivers
- Backwards compatibility and up to 162lm/W at an improved Tc of 75°C
- Better glare performance vs CoB solutions
- CRI >80 and perfect colour stability over lifetime
- Color temperatures: 3000K, 4000K, 5000K and 6500K

Benefits

- Full flexibility and design freedom based on a full portfolio
- Easy design-in based on outstanding efficiencies & high robustness
- High quality of light
- A reliable & flexible system proposition offering peace of mind

Applications

- Offices
- Public buildings
- Hospitality
- Retail



Fortimo DLM Flex Gen2

Product specifications

| Product type | Light output | Module efficacy@ low-housing | Module efficacy@ high-housing | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|------------------------------------|--------------|------------------------------|-------------------------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | lm/W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo LED DLM Flex 1100/830 Gen2 | 1100 | 115 | 93 | 3000 | > 80 | 3 | 75 | > 50,000 | 929001503880 |
| Fortimo LED DLM Flex 1100/840 Gen2 | 1100 | 127 | 104 | 4000 | > 80 | 3 | 75 | > 50,000 | 929001503980 |
| Fortimo LED DLM Flex 1100/850 Gen2 | 1100 | 127 | 104 | 5000 | > 80 | 3 | 75 | > 50,000 | 929001508380 |
| Fortimo LED DLM Flex 1100/865 Gen2 | 1100 | 127 | 104 | 6500 | > 80 | 3 | 75 | > 50,000 | 929001504080 |
| Fortimo LED DLM Flex 2000/830 Gen2 | 2000 | 113 | 91 | 3000 | > 80 | 3 | 75 | > 50,000 | 929001504180 |
| Fortimo LED DLM Flex 2000/840 Gen2 | 2000 | 125 | 102 | 4000 | > 80 | 3 | 75 | > 50,000 | 929001504280 |
| Fortimo LED DLM Flex 2000/850 Gen2 | 2000 | 125 | 102 | 5000 | > 80 | 3 | 75 | > 50,000 | 929001508480 |
| Fortimo LED DLM Flex 2000/865 Gen2 | 2000 | 125 | 102 | 6500 | > 80 | 3 | 75 | > 50,000 | 929001504380 |
| Fortimo LED DLM Flex 3000/830 Gen2 | 3000 | 115 | 94 | 3000 | > 80 | 3 | 75 | > 50,000 | 929001504480 |
| Fortimo LED DLM Flex 3000/840 Gen2 | 3000 | 127 | 105 | 4000 | > 80 | 3 | 75 | > 50,000 | 929001504580 |
| Fortimo LED DLM Flex 3000/850 Gen2 | 3000 | 127 | 105 | 5000 | > 80 | 3 | 75 | > 50,000 | 929001508580 |
| Fortimo LED DLM Flex 3000/865 Gen2 | 3000 | 127 | 105 | 6500 | > 80 | 3 | 75 | > 50,000 | 929001504680 |
| Fortimo LED DLM Flex 5000/830 Gen2 | 5000 | 110 | 88 | 3000 | > 80 | 3 | 75 | > 50,000 | 929001504780 |
| Fortimo LED DLM Flex 5000/840 Gen2 | 5000 | 122 | 99 | 4000 | > 80 | 3 | 75 | > 50,000 | 929001504880 |
| Fortimo LED DLM Flex 5000/850 Gen2 | 5000 | 122 | 99 | 5000 | > 80 | 3 | 75 | > 50,000 | 929001508680 |
| Fortimo LED DLM Flex 5000/865 Gen2 | 5000 | 122 | 99 | 6500 | > 80 | 3 | 75 | > 50,000 | 929001504980 |

* Module efficacy is calculated for the typical lm output. For more detailed specifications (including lifetime), please check the datasheets or the Easy Design-in Tool.

| | |
|----------------------------------------------|--------------|
| Fortimo LED DLM Flex Cover Shallow housing | 929000908506 |
| Fortimo LED DLM Flex High Cover High housing | 929000927806 |
| Fortimo LED DLM Flex cable 600mm Cable | 929000910706 |

Compatible LED Drivers

The Fortimo LED DLM portfolio is compatible with multiple Xitanium LED drivers. Xitanium LED drivers are available as a builtin or independent driver, dimmable or with a fixed output. For a detailed overview of all available Xitanium indoor point drivers, please go to the Xitanium indoor point driver section at pages 126-134. To find the best driver module combination for your application, the “Easy Design-in Tool” is available via philips.com/technology. Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED DLM.

Product specifications

| Product type | 1100 lm | 2000 lm | 3000 lm | 5000 lm | Order code |
|------------------------------------------|---------|---------|---------|---------|--------------|
| Smart Point LED Drivers | | | | | |
| Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V | • | • | | | 929000991706 |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | • | • | • | • | 929000969906 |
| Xitanium 36W WH 0.3-1A 48V TD/Is 230V | • | • | • | • | 929000969906 |
| Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V | | | • | • | 929000904106 |
| Fixed Point LED Drivers | | | | | |
| Xitanium 20W WH 0.15-0.5A 54V Is | • | • | | | 929001413906 |
| Xitanium 20W WH 0.15-0.5A 54V S | • | • | | | 929001416506 |
| Xitanium 20W/m 0.15-0.5A 48V 230V | • | • | | | 929000893806 |
| Xitanium 20W/m 0.15-0.5A 54V 230V | • | • | | | 929001415006 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | • | • | • | • | 929000881806 |
| Xitanium 36W WH 0.3-1.05A 54V Is | • | • | • | • | 929001414006 |
| Xitanium 36W WH 0.3-1.05A 54 V S | • | • | • | • | 929001416606 |
| Xitanium 36W/m 0.3-1.05A 54V 230V | • | • | • | • | 929001415106 |
| Xitanium 43W/m 0.7-1.2A 54V 230V | | | • | • | 929001415206 |
| Xitanium 50W WH 0.7-1.5A 54V Is | | | • | • | 929001416806 |
| Xitanium 50W/m 0.7-1.5A 54V 230V | | | • | • | 929001415306 |
| Xitanium 50W/m 0.7-1.5A 48V 230V | | | • | • | 929000934606 |
| Xitanium 50W WH 0.7-1.5A 54V S | | | • | • | 929001415306 |
| Fixed Peak Point LED Drivers | | | | | |
| CertaDrive 15W 0.35A 42V I 230V | • | | | | 929000898106 |
| CertaDrive 20W 0.5A 40V I 230V | | • | | | 929000898006 |
| CertaDrive 30W 0.7A 42V I 230V G2 | | | • | | 929001414280 |
| CertaDrive 44W 1.05A 42V I 230V G2 | | | | • | 929001414580 |
| Xitanium 15W 0.35A 42V I 230V | • | | | | 929001410180 |
| Xitanium 21W 0.5A 42V I 230V | | • | | | 929001410280 |
| Xitanium 32W 0.7/0.75A 42V I 230V G2 | | | • | | 929001418380 |
| Xitanium 44W 1.0/1.05A 42V I 230V G2 | | | | • | 929001418680 |

* Check the Xitanium Indoor Point Driver portfolio on page 122 for all available drivers with the operating window you need.

CertaFlux DLM Slim

Downlight

Certaflux DLM Slim module provides a very easy to use solution for downlight application with affordable cost but no sacrifice on light quality. The module is integrated with optical and heatsink which help to make the product extremely easy to use. Optimized diffuser gives uniform light. Whole portfolio is fully compatible with Philips Drivers and with high flexibility in lm/w and S/W. 6500K is added in the family

Features

- Provides 600lm/1000lm/2000lm lum package
- Optimized diffuser provides good uniformity
- Up to 130lm/W @ module level
- CRI >80 and good colour stability over lifetime
- Fully compatible with Philips Certa Drivers
- Color temperatures: 3000K, 4000K, 5000K, 6500K

Benefits

- Easy to Use
- Flexible in Flux package with different combination with different drivers
- Good light of Quality

Applications

- Offices
- Public buildings
- Hospitality
- Retail



Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|----------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| CertaFlux DLM Slim 600lm 830 4" | 630 | 6.9 | 91 | ~3000 | > 80 | 6 | 70 | > 25,000 | 929001443280 |
| CertaFlux DLM Slim 600lm 840 4" | 640 | 6.9 | 92 | ~4000 | > 80 | 6 | 70 | > 25,000 | 929001443380 |
| CertaFlux DLM Slim 600lm 850 4" | 640 | 6.9 | 92 | ~5000 | > 80 | 6 | 70 | > 25,000 | 929001443480 |
| CertaFlux DLM Slim 600lm 865 4" | 640 | 6.9 | 92 | ~6500 | > 80 | 6 | 70 | > 25,000 | 929001462280 |
| CertaFlux DLM Slim 1000lm 830 4" | 980 | 10 | 98 | ~3000 | > 80 | 6 | 80 | > 25,000 | 929001443580 |
| CertaFlux DLM Slim 1000lm 840 4" | 1040 | 10 | 104 | ~4000 | > 80 | 6 | 80 | > 25,000 | 929001443680 |
| CertaFlux DLM Slim 1000lm 850 4" | 1040 | 10 | 104 | ~5000 | > 80 | 6 | 80 | > 25,000 | 929001443780 |
| CertaFlux DLM Slim 1000lm 865 4" | 1040 | 10 | 104 | ~6500 | > 80 | 6 | | > 25,000 | 929001462380 |
| CertaFlux DLM Slim 1000lm 830 6" | 1070 | 10.2 | 105 | ~3000 | > 80 | 6 | 70 | > 25,000 | 929001443880 |
| CertaFlux DLM Slim 1000lm 840 6" | 1150 | 10.2 | 113 | ~4000 | > 80 | 6 | 70 | > 25,000 | 929001443980 |
| CertaFlux DLM Slim 1000lm 850 6" | 1150 | 10.2 | 113 | ~5000 | > 80 | 6 | 70 | > 25,000 | 929001444080 |
| CertaFlux DLM Slim 1000lm 865 6" | 1150 | 10.2 | 113 | ~6500 | > 80 | 6 | | > 25,000 | 929001462480 |
| CertaFlux DLM Slim 2000lm 830 6" | 2010 | 20.6 | 97 | ~3000 | > 80 | 6 | 80 | > 25,000 | 929001444180 |
| CertaFlux DLM Slim 2000lm 840 6" | 2140 | 20.6 | 104 | ~4000 | > 80 | 6 | 80 | > 25,000 | 929001444280 |
| CertaFlux DLM Slim 2000lm 850 6" | 2140 | 20.6 | 104 | ~5000 | > 80 | 6 | 80 | > 25,000 | 929001444380 |
| CertaFlux DLM Slim 2000lm 865 6" | 2140 | 20.6 | 104 | ~6500 | > 80 | 6 | | > 25,000 | 929001462580 |
| CertaFlux DLM Slim 2000lm 830 8" | 2000 | 16.9 | 119 | ~3000 | > 80 | 6 | 70 | > 25,000 | 929001444480 |
| CertaFlux DLM Slim 2000lm 840 8" | 2130 | 16.9 | 126 | ~4000 | > 80 | 6 | 70 | > 25,000 | 929001444580 |
| CertaFlux DLM Slim 2000lm 850 8" | 2100 | 16.9 | 130 | ~5000 | > 80 | 6 | 70 | > 25,000 | 929001444680 |
| CertaFlux DLM Slim 2000lm 865 8" | 2100 | 16.9 | 130 | ~6500 | > 80 | 6 | 70 | > 25,000 | 929001462680 |

* Module Light output and efficacy is calculated @ typical. Measurement precision for flux +/-5%, Measurement precision for efficacy +/- 6%. For more detailed specifications (including lifetime) please approach local sales team.



Compatible LED Drivers

The Certaflux DLM Slim is compatible with multiple CertaLED drivers. For more details, please approach local sales team.

Product specifications

| Product type | 600lm 4" | 1000lm 4" | 1000lm 6" | 2000lm 6" | 2000lm 8" | Order code |
|-------------------------------------------|----------|-----------|-----------|-----------|-----------|--------------|
| | | | | | | 12NC |
| CertaDrive 6W 0.15A 40V LPF I 230V | • | | | | | 929001411780 |
| CertaDrive 8W 0.2A 40V LPF I 230V | • | | | | | 929001409980 |
| CertaDrive 10W 0.25A 40V LPF I 230V | | • | • | | | 929001410006 |
| CertaDrive 12W 0.3A 40V LPF I 230V | | • | • | | | 929001409506 |
| CertaDrive 15W 0.35A 42V I 230V | | | • | | | 929000898106 |
| CertaDrive 20W 0.5A 40V I 230V | | | | • | • | 929000898006 |
| CertaDrive 8W 0.2A 40V I 230V | • | | | | | 929000956080 |
| CertaDrive 15W 0.35A 42V I 230V | | | | | | 929000898106 |
| CertaDrive 25W 0.6A 42V I 230V | | | | • | • | 929001414180 |
| CertaDrive 30W 0.7A 42V I 230V | | | | • | • | 929001414280 |
| Xitanium 20W WH 0.15 -0.5A 54V TD/Is 230V | • | • | • | • | • | 929000991706 |
| Xitanium 36W WH 0.3-1A 54V TD/Is 230V | | • | • | • | • | 929000969906 |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | | | • | • | • | 929001419106 |

* For latest compatible driver list, please always help to check with local sales team.

CertaFlux DLM EaseSelect Ceiling Light

Downlight

CertaFlux DLM ES Ceiling Light is a perfect solution for wide-diameter ceiling light application. This solution combines LED technology and driver with optical distribution. The system offers two lumen packages: 1500lm and 1900lm, along with two color temperatures: 3000K and 6500K. External optics ensure good uniformity of light distribution, and the design of this ceiling light ensures good heat management thus no need for an external heat sink. A standard Philips systems warranty is available for this product with a lifetime of 25,000 hours. An optimal choice to consider for a fast return on investment with a payback period estimated to be less than 1.5 years.

Features

- Two lumen output: 1500lm and 1900lm
- Efficiency levels surpassing TLE 32W
- High quality white light CRI 80
- 25,000 hours lifetime

Benefits

- Easy design-in
- >50% energy savings
- Standard warranty available

Applications

- Ceiling light for residential application, to replace TLE32/54 and TLE32/865



CertaFlux DLM EaseSelect Ceiling Light

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc max | B50/L70 at Tc Life | Order code |
|----------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|--------|--------------------|----------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Certaflux DLM ES 1500/830 CL G1 | 1379 | 14.8 | 93 | 3000 | > 80 | 5 | < 80 | 25,000 | 9290 009 94080 |
| Certaflux DLM ES 1500/865 CL G1 | 1500 | 14.7 | 102 | 6500 | > 80 | 5 | < 80 | 25,000 | 9290 009 94180 |
| Certaflux DLM ES 1900/830 CL G1 | 1748 | 18.4 | 95 | 3000 | > 80 | 5 | < 85 | 25,000 | 9290 009 94480 |
| Certaflux DLM ES 1900/865 CL G1 | 1900 | 18.3 | 104 | 6500 | > 80 | 5 | < 85 | 25,000 | 9290 009 94580 |
| Certaflux DLM ES 1500/830 CLC G1 | 1379 | 14.8 | 93 | 3000 | > 80 | 5 | < 80 | 25,000 | 9290 009 94280 |
| Certaflux DLM ES 1500/865 CLC G1 | 1500 | 14.7 | 102 | 4000 | > 80 | 5 | < 80 | 25,000 | 9290 009 94380 |
| Certaflux DLM ES 1900/830 CLC G1 | 1748 | 18.4 | 95 | 3000 | > 80 | 5 | < 85 | 25,000 | 9290 009 94680 |
| Certaflux DLM ES 1900/865 CLC G1 | 1900 | 18.3 | 104 | 4000 | > 80 | 5 | < 85 | 25,000 | 9290 009 94780 |



Spotlight Modules

Because retail is detail. With the Fortimo LED SLM portfolio, Philips offers the ideal combination of high quality spotlighting with state-of-the-art performance and energy efficiency.



Fortimo SLM Gen6 CrispWhite

Spotlight

Fortimo LED SLM CrispWhite is a unique solution that offers an unparalleled rendering of intense white and warm, deep colors within one light source. Fortimo SLM CrispWhite is ideal for use in fashion lighting applications, where the white colors in the fabric and material truly stand out from the display. The CrispWhite portfolio is available in all Fortimo LED SLM Gen5 CoB sizes.

Features

- The perfect mix of Crisp White Light and warm colours in one LED source
- CRI 90
- Zhaga form factor
- Tc life of up to 85°C
- Extend to 6.5mm LES size from Gen5
- Philips standard systems warranty applies

Benefits

- Outstanding quality of light
- Easy design-in
- Very good efficiencies
- Excellent beam control and small reflector design
- A reliable and flexible system proposition

Applications

- Retail
- CrispWhite works best for: paper, garment and textiles



Fortimo SLM Gen6 CrispWhite

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|---------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|----------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo SLM C 930 CW 1202 L06 1215 G6 | 640 | 7.0 | 91 | 3000 | > 90 | 3 | 85 | > 50,000 | 9290 014 54306 |
| Fortimo SLM C 930 CW 1203 L09 1619 G6 | 980 | 10.6 | 92 | 3000 | > 90 | 3 | 85 | > 50,000 | 9290 014 55706 |
| Fortimo SLM C 930 CW 1205 L13 2024 G6 | 1710 | 17.3 | 99 | 3000 | > 90 | 3 | 85 | > 50,000 | 9290 014 59906 |
| Fortimo SLM C 930 CW 1208 L15 2024 G6 | 2540 | 25.9 | 98 | 3000 | > 90 | 3 | 85 | > 50,000 | 9290 014 47106 |
| Fortimo SLM C 930 CW 1211 L19 2828 G6 | 4110 | 42.4 | 97 | 3000 | > 90 | 3 | 85 | > 50,000 | 9290 014 48506 |

* Module efficacy is calculated for the typical lm output. For more detailed specifications (including lifetime), please check the datasheets online or the Easy Design-in tool.
 ** The CoB size defines the compatibility with the Fortimo SLM Holders. The CoB size is also given in the name of the Holder (see page 40).

Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium LED drivers. Xitanium LED drivers are available as a built-in or independent driver, dimmable or with a fixed output. For a detailed overview of all available Xitanium indoor point drivers, please go to the Xitanium indoor point driver section at pages 70 - 79. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

| Product type | CoB | | | | | Order code |
|------------------------------------------|------|------|------|------|------|--------------|
| | 1202 | 1203 | 1205 | 1208 | 1211 | |
| Smart Point LED Drivers | | | | | | |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | | | • | • | | 929001419106 |
| Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V | • | • | • | | | 929000991706 |
| Xitanium 36W WH 0.3-1A 54V TD/Is 230V | | | • | • | | 929000969906 |
| Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V | | | | • | • | 929000991806 |
| Fixed Point LED Drivers | | | | | | |
| Xitanium 20W WH 0.15-0.5 54V Is | • | • | • | | | 929001413906 |
| Xitanium 20W WH 0.15-0.5A 54V S | • | • | • | | | 929001416506 |
| Xitanium 36W WH 0.3-1.05A 54V Is | | | • | • | | 929001414006 |
| Xitanium 36W WH 0.3-1.05A 54V S | | | • | • | | 929001416606 |
| Xitanium 50W WH 0.7-1.5A 54V Is | | | | • | • | 929001416806 |
| Xitanium 50W WH 0.7-1.5A 54V S | | | | • | • | 929001416706 |
| Xitanium 20W/m 0.15-0.5A 54V 230V | • | • | • | | | 929001415006 |
| Xitanium 20W/m 0.15-0.5A 48V 230V | • | • | • | | | 929000893806 |
| Xitanium 36W/m 0.3-1.05A 54V 230V | | • | • | • | | 929001415106 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | | | • | • | | 929000881806 |
| Xitanium 50W/m 0.7-1.5A 54V 230V | | | | • | • | 929001415306 |
| Xitanium 50W/m 0.7-1.5A 48V 230V | | | | • | • | 929000934606 |
| Fixed Peak Point LED drivers | | | | | | |
| Xitanium 16W/m 0.35A 46V SC 230V | • | • | • | | | 929001412380 |
| Xitanium 23W/m 0.5A 46V SC 230V | • | • | • | • | • | 929001412480 |
| Xitanium 32W/m 0.7A 46V SC 230V | | | • | • | • | 929001412680 |
| Xitanium 15W 0.35A 42V I 230V | • | • | • | | | 929001410180 |
| Xitanium 21W 0.5A 42V I 230V | | | • | | | 929001410280 |
| Xitanium 32W 0.7/0.75A 42V I 230V G2 | | | • | • | • | 929001418380 |
| Xitanium 44W 1.0/1.05A 42V I 230V G2 | | | • | • | • | 929001418680 |

* Check the Xitanium Indoor Point Driver portfolio on pages 126-134 for all available drivers with the operating window you need.
 ** For more and latest combination, please always check the Easy Design-in Tool.

Fortimo SLM Gen6 – Food WarmWhite and Food PremiumRed

Spotlight

Fortimo LED SLM Food WarmWhite and Fortimo LED SLM Food PremiumRed are dedicated propositions, geared towards fresh food applications. The Fortimo SLM Food WarmWhite offers a specific spectrum enhancing the appearance of fresh food such as bread, fruit and vegetables, whereas the Fortimo LED SLM Food PremiumRed specifically enhances the appearance of fresh meat. Both products are best in class light quality solutions.



1211 1208
Fortimo SLM Gen6 – Food WarmWhite and Food PremiumRed

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|----------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|----------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo SLM C 925 FWW 1208 L15 2024 G6 | 2170 | 25.5 | 85 | Food Warm White | > 92 | 3 | 85 | > 50,000 | 9290 014 52680 |
| Fortimo SLM C 930 FPR 1208 L15 2024 G6 | 2250 | 25.5 | 88 | Food Premium Red | > 87 | 3 | 85 | > 50,000 | 9290 014 52980 |
| Fortimo SLM C 925 FWW 1211 L19 2828 G6 | 3460 | 41.6 | 84 | Food Warm White | > 92 | 3 | 85 | > 50,000 | 9290 014 52280 |
| Fortimo SLM C 930 FPR 1211 L19 2828 G6 | 3620 | 41.6 | 85 | Food Premium Red | > 87 | 3 | 85 | > 50,000 | 9290 014 52580 |

* Module efficacy is calculated for the typical lm output. For more detailed & latest specifications (including lifetime) please always check the datasheets online or the Easy Design-in Tool.

** The CoB size defines the compatibility with the Fortimo SLM Holders. The CoB size is also given in the name of the Holder (see page 33).

Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium LED drivers. Xitanium LED drivers are available as a built-in or independent driver, dimmable or with a fixed output. For a detailed overview of all available Xitanium indoor point drivers, please go to the Xitanium indoor point driver section at pages 126-134. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

| Product type | CoB | | | | Order code 12NC |
|-----------------------------------------|----------|----------|----------|----------|--------------------|
| | FWW 1208 | FPR 1208 | FWW 1211 | FPR 1211 | |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | • | • | | | 929001419106 |
| Xitanium 36W WH 0.3-1A 54V TD/Is 230V | • | • | | | 929000969906 |
| Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V | • | • | • | • | 929000991806 |
| Xitanium 36W WH 0.3-1.05A 54V Is | • | • | | | 929001414006 |
| Xitanium 36W WH 0.3-1.05A 54V S | • | • | | | 929001416606 |
| Xitanium 36W/m 0.3-1.05A 54V 230V | • | • | | | 929001415106 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | • | • | | | 929000881806 |
| Xitanium 50W WH 0.7-1.5A 54V Is | • | • | • | • | 929001416806 |
| Xitanium 50W WH 0.7-1.5A 54V S | • | • | • | • | 929001416706 |
| Xitanium 50W/m 0.7-1.5A 48V 230V | • | • | • | • | 929000934606 |
| Xitanium 50W/m 0.7-1.5A 54V 230V | • | • | • | • | 929001415306 |
| Xitanium 43W/m 0.7-1.2A 54V 230V | • | • | • | • | 929001412480 |
| Xitanium 32W 0.7/0.75A 42V I 230V | • | • | | | 929001412680 |

* Check the Xitanium Indoor Point Driver portfolio on pages 126-134 for all available drivers with the operating window you need.

** For more and latest combination, please always check the Easy Design-in Tool.



Fortimo SLM Gen7

Spotlight

Fortimo SLM Gen7 continues to focus on the combination of Quality of Light and Energy efficacy and miniaturization in a future proof and backwards compatible portfolio. This results in an extensive portfolio of lumen ranges, CCTs and spectra. In parallel, +8% efficacy is achieved in average Vs Gen 6. Please also check the online Easy Design-in Tool for your perfect system combination (www.easydesigntool.com).

Features

- Broad portfolio in terms of CCT 2700K, 3000K, 3500K, 4000K, 5000K, 5700K & CRI 80, 90 available
- Flexibility to select a different lumen output between 800 and 10000lm
- Small LES size for narrow beam angles and small reflector design
- Separation of CoB and holders to increase reactivity and speed improved understandability of the portfolio
- System Proposition (CoB+Holder+Driver)
- Pre-configured system propositions both in high lm/W and lm/\$
- Large choice of drivers available, including DALI dimming, Xitanium, Certaflux
- 50,000 hours lifetime @ Tc life

Benefits

- Best quality of light for all applications
- Standard/Permium White/ available
- Excellent beam control and small reflector design
- Flexibility to optimize luminaire performance
- A reliable & flexible system approach
- Philips Standard warranty applies

Applications

- Retail
- Industry and outdoor



Fortimo SLM Gen7

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo SLM C 827 1202 L06 1215 G7 | 1320 | 12.8 | 103 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001581806 |
| Fortimo SLM C 830 1202 L06 1215 G7 | 1400 | 12.8 | 109 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001581906 |
| Fortimo SLM C 835 1202 L06 1215 G7 | 1460 | 12.8 | 114 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001582006 |
| Fortimo SLM C 840 1202 L06 1215 G7 | 1500 | 12.8 | 117 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001582106 |
| Fortimo SLM C 927 1202 L06 1215 G7 | 1110 | 12.8 | 86 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001582406 |
| Fortimo SLM C 930 1202 L06 1215 G7 | 1200 | 12.8 | 93 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001582506 |
| Fortimo SLM C 827 1203 L09 1619 G7 | 1490 | 10.3 | 144 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001583806 |
| Fortimo SLM C 830 1203 L09 1619 G7 | 1520 | 10.3 | 147 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001583906 |
| Fortimo SLM C 835 1203 L09 1619 G7 | 1560 | 10.3 | 151 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001584006 |
| Fortimo SLM C 840 1203 L09 1619 G7 | 1610 | 10.3 | 156 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001584106 |
| Fortimo SLM C 850 1203 L09 1619 G7 | 1610 | 10.3 | 156 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001584206 |
| Fortimo SLM C 927 1203 L09 1619 G7 | 1240 | 10.3 | 120 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001584406 |
| Fortimo SLM C 930 1203 L09 1619 G7 | 1280 | 10.3 | 124 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001584506 |
| Fortimo SLM C 730 1204 L09 1619 G7 | 2951 | 25.7 | 115 | 3000 | > 70 | 3 | 75 | > 50,000 | 929001585306 |
| Fortimo SLM C 740 1204 L09 1619 G7 | 3108 | 25.7 | 121 | 4000 | > 70 | 3 | 75 | > 50,000 | 929001585406 |
| Fortimo SLM C 827 1204 L09 1619 G7 | 2636 | 25.7 | 102 | 2700 | > 80 | 3 | 75 | > 50,000 | 929001585806 |
| Fortimo SLM C 830 1204 L09 1619 G7 | 2775 | 25.7 | 108 | 3000 | > 80 | 3 | 75 | > 50,000 | 929001585906 |
| Fortimo SLM C 835 1204 L09 1619 G7 | 2831 | 25.7 | 110 | 3500 | > 80 | 3 | 75 | > 50,000 | 929001586006 |
| Fortimo SLM C 840 1204 L09 1619 G7 | 2886 | 25.7 | 112 | 4000 | > 80 | 3 | 75 | > 50,000 | 929001586106 |
| Fortimo SLM C 850 1204 L09 1619 G7 | 2886 | 25.7 | 112 | 5000 | > 80 | 3 | 75 | > 50,000 | 929001586206 |
| Fortimo SLM C 857 1204 L09 1619 G7 | 2873 | 25.7 | 112 | 5700 | > 80 | 3 | 75 | > 50,000 | 929001586306 |
| Fortimo SLM C 927 1204 L09 1619 G7 | 2220 | 25.7 | 86 | 2700 | > 90 | 3 | 75 | > 50,000 | 929001586406 |
| Fortimo SLM C 930 1204 L09 1619 G7 | 2276 | 25.7 | 88 | 3000 | > 90 | 3 | 75 | > 50,000 | 929001586506 |
| Fortimo SLM C 827 1205 L13 2024 G7 | 2540 | 17.2 | 148 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001587806 |
| Fortimo SLM C 830 1205 L13 2024 G7 | 2640 | 17.2 | 154 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001587906 |
| Fortimo SLM C 835 1205 L13 2024 G7 | 2690 | 17.2 | 157 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001588006 |

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo SLM C 840 1205 L13 2024 G7 | 2750 | 17.2 | 160 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001588106 |
| Fortimo SLM C 850 1205 L13 2024 G7 | 2750 | 17.2 | 160 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001588206 |
| Fortimo SLM C 927 1205 L13 2024 G7 | 2110 | 17.2 | 123 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001588406 |
| Fortimo SLM C 930 1205 L13 2024 G7 | 2190 | 17.2 | 128 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001588506 |
| Fortimo SLM C 827 1208 L15 2024 G7 | 3800 | 25.4 | 149 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001589806 |
| Fortimo SLM C 830 1208 L15 2024 G7 | 3950 | 25.4 | 155 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001589906 |
| Fortimo SLM C 835 1208 L15 2024 G7 | 4030 | 25.4 | 159 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001590006 |
| Fortimo SLM C 840 1208 L15 2024 G7 | 4110 | 25.4 | 162 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001590106 |
| Fortimo SLM C 850 1208 L15 2024 G7 | 4120 | 25.4 | 162 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001590206 |
| Fortimo SLM C 857 1208 L15 2024 G7 | 4100 | 25.4 | 161 | 5700 | > 80 | 3 | 85 | > 50,000 | 929001590306 |
| Fortimo SLM C 927 1208 L15 2024 G7 | 3150 | 25.4 | 124 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001590406 |
| Fortimo SLM C 930 1208 L15 2024 G7 | 3270 | 25.4 | 129 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001590506 |
| Fortimo SLM C 827 1211 L19 2828 G7 | 6110 | 41.6 | 147 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001591806 |
| Fortimo SLM C 830 1211 L19 2828 G7 | 6280 | 41.6 | 151 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001591906 |
| Fortimo SLM C 835 1211 L19 2828 G7 | 6410 | 41.6 | 154 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001592006 |
| Fortimo SLM C 840 1211 L19 2828 G7 | 6630 | 41.6 | 159 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001592106 |
| Fortimo SLM C 850 1211 L19 2828 G7 | 6630 | 41.6 | 159 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001592206 |
| Fortimo SLM C 857 1211 L19 2828 G7 | 6610 | 41.6 | 159 | 5700 | > 80 | 3 | 85 | > 50,000 | 929001592306 |
| Fortimo SLM C 927 1211 L19 2828 G7 | 5070 | 41.6 | 122 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001592406 |
| Fortimo SLM C 930 1211 L19 2828 G7 | 5310 | 41.6 | 128 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001592506 |
| Fortimo SLM C 827 1216 L23 2828 G7 | 8030 | 55.0 | 146 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001593806 |
| Fortimo SLM C 830 1216 L23 2828 G7 | 8220 | 55.0 | 149 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001593906 |
| Fortimo SLM C 835 1216 L23 2828 G7 | 8380 | 55.0 | 152 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001594006 |
| Fortimo SLM C 840 1216 L23 2828 G7 | 8700 | 55.0 | 158 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001594106 |
| Fortimo SLM C 850 1216 L23 2828 G7 | 8710 | 55.0 | 158 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001594206 |
| Fortimo SLM C 857 1216 L23 2828 G7 | 8680 | 55.0 | 158 | 5700 | > 80 | 3 | 85 | > 50,000 | 929001594306 |
| Fortimo SLM C 927 1216 L23 2828 G7 | 6660 | 55.0 | 121 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001594406 |
| Fortimo SLM C 930 1216 L23 2828 G7 | 6930 | 55.0 | 126 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001594506 |

* Module efficacy is calculated for the typical lm output. For more detailed and latest specifications (including lifetime) please always check the datasheets online or the Easy Design-in Tool.

Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 126-134 or the certa indoor point driver section at pages 132-134. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

| Product type | CoB | | | | | | | Order code |
|------------------------------------------|------|------|------|------|------|------|------|--------------|
| | 1202 | 1203 | 1204 | 1205 | 1208 | 1211 | 1216 | |
| Smart Point LED Drivers | | | | | | | | |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | | | • | • | • | | | 929001419106 |
| Xitanium 20W WH 0.15-0.5A 54V TD/ls 230V | • | • | • | • | | | | 929000991706 |
| Xitanium 36W WH 0.3-1A 54V TD/ls 230V | | | • | • | • | | | 929000969906 |
| Xitanium 50W WH 0.7-1.5A 54V TD/ls 230V | | | | | • | • | • | 929000991806 |
| Fixed Point LED Drivers | | | | | | | | |
| Xitanium 20W WH 0.15-0.5A 54V Is | • | • | • | • | | | | 929001413906 |
| Xitanium 20W WH 0.15-0.5A 54V S | • | • | • | • | | | | 929001416506 |
| Xitanium 36W WH 0.3-1.05A 54V Is | | | • | • | • | | | 929001414006 |
| Xitanium 36W WH 0.3-1.05A 54V S | | | • | • | • | | | 929001416606 |
| Xitanium 50W WH 0.7-1.5A 54V Is | | | | | • | • | • | 929001416806 |
| Xitanium 50W WH 0.7-1.5A 54V S | | | | | • | • | • | 929001416706 |
| Xitanium 20W/m 0.15-0.5A 54V 230V | • | • | • | • | | | | 929001415006 |
| Xitanium 20W/m 0.15-0.5A 48V 230V | • | • | • | • | | | | 929000893806 |

Product specifications

| Product type | CoB | | | | | | | Order code |
|--------------------------------------|------|------|------|------|------|------|------|--------------|
| | 1202 | 1203 | 1204 | 1205 | 1208 | 1211 | 1216 | |
| Fixed Point LED Drivers | | | | | | | | |
| Xitanium 36W/m 0.3-1.05A 54V 230V | | • | • | • | • | | | 929001415106 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | | | • | • | • | | | 929000881806 |
| Xitanium 50W/m 0.7-1.5A 54V 230V | | | | | • | • | • | 929001415306 |
| Xitanium 50W/m 0.7-1.5A 48V 230V | | | | | • | • | • | 929000934606 |
| Fixed Peak Point LED Drivers | | | | | | | | |
| Xitanium 16W/m 0.35A 46V SC 230V | • | • | • | • | | | | 929001412380 |
| Xitanium 23W/m 0.5A 46V SC 230V | • | • | • | • | • | • | • | 929001412480 |
| Xitanium 32W/m 0.7A 46V SC 230V | | | • | • | • | • | • | 929001412680 |
| Xitanium 15W 0.35A 42V I 230V | • | • | • | • | | | | 929001410180 |
| Xitanium 21W 0.5A 42V I 230V | | | • | • | | | | 929001410280 |
| Xitanium 32W 0.7/0.75A 42V I 230V G2 | | | • | • | • | • | • | 929001418380 |
| Xitanium 44W 1.0/1.05A 42V I 230V G2 | | | • | • | • | • | • | 929001418680 |
| CertaDrive 10W 0.25A 40V LPF I 230V | • | • | | | | | | 929001410006 |
| CertaDrive 12W 0.3A 40V LPF I 230V | • | • | | | | | | 929001409506 |
| CertaDrive 15W 0.35A 42V I 230V | • | • | • | • | • | | | 929000898106 |
| CertaDrive 20W 0.5A 40V I 230V | • | • | • | • | • | | | 929000898006 |
| CertaDrive 30W 0.7A 42V I 230V G2 | | | • | • | • | • | | 929001414280 |
| CertaDrive 34W 0.8A 42V I 230V G2 | | | • | • | • | • | | 929001414380 |
| CertaDrive 38W 0.9A 42V I 230V G2 | | | • | • | • | • | • | 929001414480 |
| CertaDrive 44W 1.05A 42V I 230V G2 | | | • | • | • | • | • | 929001414580 |

* Check the Xitanium indoor point driver portfolio on page 102 for all available drivers with the operating window you need.
 ** For more & latest combination, please always check the Easy Design-in Tool.

Fortimo SLM Gen7 Premium White

Spotlight

Fortimo SLM Gen7 Premium White Range continuous to focus on the combination of Quality of Light and Energy efficacy and miniaturization in a future proof and backwards compatible portfolio. This results in an extensive portfolio of lumen ranges, and spectra. In parallel, +8% efficacy is achieved in average Vs Gen 6. Please also check the online Easy Design-in Tool for your perfect system combination(www.easydesigntool.com).

Features

- Flexibility to select a different lumen output between 800 and 10000lm
- Broad portfolio in terms of CCT 3000K, 3500K, 4000K & CRI 80, 90 available
- Small LES size for narrow beam angles and small reflector design
- Separation of CoB and holders to increase reactivity and speed improved understandability of the portfolio
- System Proposition (CoB+Holder+Driver)

- Pre-configured system propositions both in high lm/W and lm/S
- Large choice of drivers available, including DALI dimming, Xitanium, Certaflux
- 50,000 hours lifetime @ Tc life

- Excellent beam control and small reflector design
- Flexibility to optimize luminaire performance
- A reliable & flexible system approach
- Philips Standard warranty applies

Benefits

- Best quality of light for all applications
- Standard/Premium White/ available

Applications

- Retail
- Industry & Outdoor



Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|---------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo SLM C 830 PW 1202 L06 1215 G7 | 1400 | 12.8 | 109 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001582606 |
| Fortimo SLM C 930 PW 1202 L06 1215 G7 | 1200 | 12.8 | 93 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001582706 |
| Fortimo SLM C 935 PW 1202 L06 1215 G7 | 1270 | 12.8 | 99 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001582806 |
| Fortimo SLM C 940 PW 1202 L06 1215 G7 | 1300 | 12.8 | 101 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001582906 |
| Fortimo SLM C 830 PW 1203 L09 1619 G7 | 1510 | 10.3 | 146 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001584606 |
| Fortimo SLM C 930 PW 1203 L09 1619 G7 | 1280 | 10.3 | 124 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001584706 |
| Fortimo SLM C 935 PW 1203 L09 1619 G7 | 1350 | 10.3 | 131 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001584806 |
| Fortimo SLM C 940 PW 1203 L09 1619 G7 | 1390 | 10.3 | 135 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001584906 |
| Fortimo SLM C 830 PW 1204 L09 1619 G7 | 2771 | 25.7 | 108 | 3000 | > 80 | 3 | 75 | > 50,000 | 929001586606 |
| Fortimo SLM C 930 PW 1204 L09 1619 G7 | 2320 | 25.7 | 90 | 3000 | > 90 | 3 | 75 | > 50,000 | 929001586706 |
| Fortimo SLM C 935 PW 1204 L09 1619 G7 | 2451 | 25.7 | 95 | 3500 | > 90 | 3 | 75 | > 50,000 | 929001586806 |
| Fortimo SLM C 940 PW 1204 L09 1619 G7 | 2518 | 25.7 | 98 | 4000 | > 90 | 3 | 75 | > 50,000 | 929001586906 |
| Fortimo SLM C 830 PW 1205 L13 2024 G7 | 2570 | 17.2 | 150 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001588606 |
| Fortimo SLM C 930 PW 1205 L13 2024 G7 | 2190 | 17.2 | 128 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001588706 |
| Fortimo SLM C 935 PW 1205 L13 2024 G7 | 2300 | 17.2 | 134 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001588806 |
| Fortimo SLM C 940 PW 1205 L13 2024 G7 | 2360 | 17.2 | 138 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001588906 |
| Fortimo SLM C 830 PW 1208 L15 2024 G7 | 3840 | 25.4 | 151 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001590606 |
| Fortimo SLM C 930 PW 1208 L15 2024 G7 | 3270 | 25.4 | 129 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001590706 |
| Fortimo SLM C 935 PW 1208 L15 2024 G7 | 3440 | 25.4 | 135 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001590806 |
| Fortimo SLM C 940 PW 1208 L15 2024 G7 | 3530 | 25.4 | 139 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001590906 |
| Fortimo SLM C 830 PW 1211 L19 2828 G7 | 6190 | 41.6 | 149 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001592606 |
| Fortimo SLM C 930 PW 1211 L19 2828 G7 | 5310 | 41.6 | 128 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001592706 |
| Fortimo SLM C 935 PW 1211 L19 2828 G7 | 5540 | 41.6 | 133 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001592806 |
| Fortimo SLM C 940 PW 1211 L19 2828 G7 | 5720 | 41.6 | 137 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001592906 |

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc life | B50/L70 at Tc Life | Order code |
|---------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|---------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | °C | Hours | 12NC |
| Fortimo SLM C 830 PW 1216 L23 2828 G7 | 8130 | 55.0 | 148 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001594606 |
| Fortimo SLM C 930 PW 1216 L23 2828 G7 | 6930 | 55.0 | 126 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001594706 |
| Fortimo SLM C 935 PW 1216 L23 2828 G7 | 7270 | 55.0 | 132 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001594806 |
| Fortimo SLM C 940 PW 1216 L23 2828 G7 | 7470 | 55.0 | 136 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001594906 |

* Module efficacy is calculated for the typical lm output. For more detailed and latest specifications (including lifetime) please always check the datasheets online or the Easy Design-in Tool.

Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 126-134 or the certa indoor point driver section at pages 132-134. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM

Product specifications

| Product type | CoB | | | | | | | Order code |
|------------------------------------------|------|------|------|------|------|------|------|--------------|
| | 1202 | 1203 | 1204 | 1205 | 1208 | 1211 | 1216 | 12NC |
| Smart Point LED Drivers | | | | | | | | |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | | | • | • | • | | | 929001419106 |
| Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V | • | • | • | • | | | | 929000991706 |
| Xitanium 36W WH 0.3-1A 54V TD/Is 230V | | | • | • | • | | | 929000969906 |
| Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V | | | | | • | • | • | 929000991806 |
| Fixed Point LED Drivers | | | | | | | | |
| Xitanium 20W WH 0.15-0.5 54V Is | • | • | • | • | | | | 929001413906 |
| Xitanium 20W WH 0.15-0.5A 54V S | • | • | • | • | | | | 929001416506 |
| Xitanium 36W WH 0.3-1.05A 54V Is | | | • | • | • | | | 929001414006 |
| Xitanium 36W WH 0.3-1.05A 54V S | | | • | • | • | | | 929001416606 |
| Xitanium 50W WH 0.7-1.5A 54V Is | | | | | • | • | • | 929001416806 |
| Xitanium 50W WH 0.7-1.5A 54V S | | | | | • | • | • | 929001416706 |
| Xitanium 20W/m 0.15-0.5A 54V 230V | • | • | • | • | | | | 929001415006 |
| Xitanium 20W/m 0.15-0.5A 48V 230V | • | • | • | • | | | | 929000893806 |
| Xitanium 36W/m 0.3-1.05A 54V 230V | | • | • | • | • | | | 929001415106 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | | | • | • | • | | | 929000881806 |
| Xitanium 50W/m 0.7-1.5A 54V 230V | | | | | • | • | • | 929001415306 |
| Xitanium 50W/m 0.7-1.5A 48V 230V | | | | | • | • | • | 929000934606 |
| Fixed Peak Point LED Drivers | | | | | | | | |
| Xitanium 16W/m 0.35A 46V SC 230V | • | • | • | • | | | | 929001412380 |
| Xitanium 23W/m 0.5A 46V SC 230V | • | • | • | • | • | • | • | 929001412480 |
| Xitanium 32W/m 0.7A 46V SC 230V | | | • | • | • | • | • | 929001412680 |
| Xitanium 15W 0.35A 42V I 230V | • | • | • | • | | | | 929001410180 |
| Xitanium 21W 0.5A 42V I 230V | | | • | • | | | | 929001410280 |
| Xitanium 32W 0.7/0.75A 42V I 230V G2 | | | • | • | • | • | • | 929001418380 |
| Xitanium 44W 1.0/1.05A 42V I 230V G2 | | | • | • | • | • | • | 929001418680 |
| CertaDrive 10W 0.25A 40V LPF I 230V | • | • | | | | | | 929001410006 |
| CertaDrive 12W 0.3A 40V LPF I 230V | • | • | | | | | | 929001409506 |
| CertaDrive 15W 0.35A 42V I 230V | • | • | • | • | • | | | 929000898106 |
| CertaDrive 20W 0.5A 40V I 230V | • | • | • | • | • | | | 929000898006 |
| CertaDrive 30W 0.7A 42V I 230V G2 | | | • | • | • | • | | 929001414280 |
| CertaDrive 34W 0.8A 42V I 230V G2 | | | • | • | • | • | | 929001414380 |
| CertaDrive 38W 0.9A 42V I 230V G2 | | | • | • | • | • | • | 929001414480 |
| CertaDrive 44W 1.05A 42V I 230V G2 | | | • | • | • | • | • | 929001414580 |

** Check the Xitanium indoor point driver portfolio on page 102 for all available drivers with the operating window you need.

** For more & latest combination, please always check the Easy Design-in Tool."

Fortimo SLM Gen7 Premium Color

Spotlight

Fortimo LED SLM continues to focus on the combination of Quality of Light and performance. By offering the CoB separate from the holder, even more flexibility in possible system combinations and specifications is achieved. This results in an extensive portfolio of lumen ranges, CCT's and spectra's. Please also check the online Easy Design-in Tool for your perfect system combination (www.easydesigntool.com).

Features

- Optimized Spectrum to give true vivid color
- Covers CoB size from 1203, 1205, 1208, 1211, 1216
- Specific in 930 CCT
- Separation of CoB and holders to increase reactivity and speed improved understandability of the portfolio
- High Tc of up to 95 for simple heat management
- Pre-configured system propositions both in high lm/W and lm/\$
- Large choice of drivers available, including DALI dimming
- Philips standard systems warranty applies

Benefits

- Together with Premium White to deliver best quality of light for all applications
- Flexibility to optimize luminaire performance
- A reliable & flexible system proposition

Applications

- Retail
- Industry & Outdoor



Fortimo SLM holders

Spotlight

Fortimo LED SLM Gen6 CoBs and holders can be ordered separately. This results in even flexibility and an even more extensive product portfolio. Optimized holders are available for spot and downlight applications. For pre-cabled luminaire designs holders with Poke-in connectors can be ordered. Every holder type is available for every CoB size. CoB compatibility is defined by the CoB size. New Zhaga Poke in holder and 35mm Poke in holder are introduced.



Fortimo SLM Holders

Product specifications

| Product type | Type | CoB count | Wire length mm | Wire type mm ² | LES | Order code 12NC |
|-----------------------------|---------------|------------------|-------------------|------------------------------|----------|--------------------|
| Fortimo SLM H PI 1215 35 G1 | Poke in | 1202 | N/A | 0.3-0.75 | L6.5 | 9290 015 38106 |
| Fortimo SLM H 1619 G1 | Standard | 1203 | 600 | 0.5 | L09 | 9290 009 93580 |
| Fortimo SLM H DL 1619 G1 | Down light | 1203 | 600 | 0.5 | L09 | 9290 009 93680 |
| Fortimo SLM H ZP 1619 G1 | Zhaga Poke in | 1203 | N/A | 0.3-0.75 | L09 | 9290 014 51980 |
| Fortimo SLM H PI 1619 G1 | Poke in | 1203 | N/A | 0.3-0.75 | L09 | 9290 009 93780 |
| Fortimo SLM H 2024 G1 | Standard | 1204, 1205, 1208 | 600 | 0.5 | L13, L15 | 9290 009 80703 |
| Fortimo SLM H DL 2024 G1 | Down light | 1204, 1205, 1208 | 600 | 0.5 | L13, L15 | 9290 009 80803 |
| Fortimo SLM H ZP 2024 G1 | Zhaga Poke in | 1204, 1205, 1208 | N/A | 0.3-0.75 | L13, L15 | 9290 014 52080 |
| Fortimo SLM H PI 2024 G1 | Poke in | 1204, 1205, 1209 | N/A | 0.3-0.75 | L13, L15 | 9290 009 80903 |
| Fortimo SLM H 2828 G1 | Standard | 1211 | 600 | 0.5 | L19 | 9290 009 81003 |
| Fortimo SLM H DL 2828 G1 | Down light | 1211 | 600 | 0.5 | L19 | 9290 009 81103 |
| Fortimo SLM H ZP 2828 G1 | Zhaga Poke in | 1211 | N/A | 0.3-0.75 | L19 | 9290 014 52180 |
| Fortimo SLM H PI 2828 G1 | Poke in | 12,111,216 | N/A | 0.3-0.75 | L19,L23 | 9290 009 81203 |

Fortimo SLM EaseSelect Gen1

Spotlight

Quality of light is key in retail lighting. The need for miniaturization is continuously pushing LED technology for smaller luminaires, often jeopardizing important specifications as flicker, lifetime and reliability. Fortimo LED SLM EaseSelect offers an integrated portfolio that combines the high quality standards of a Philips Fortimo/Xitanium system with the possibility for a luminaire design without a driver box.

Features

- Low flicker (4% ripple)
- Ease of design-in
- System efficacy of up to 115lm/W
- Long life-time: 50,000 hours
- Excellent color consistency of 3 SDCM
- Same LES and holder types as standard SLM Modules (Zhaga)
- Full portfolio with all typical downlight lumen packages (1100lm, 2000lm, 3000lm), different CCTs (Premium White, 4000K) and CRI (80Ra, 90Ra)

Benefits

- Suitable for compact heat sink designs
- Diameter of 70mm and max 90mm incl. heatsink for up to 3000Lm
- No driver box needed anymore
- Small LES enabling small reflectors even with small beams
- Heatsink part of the solution
- No cabling needed
- No thermal pad hassle with the CoB
- Simple and easy to maintain

Applications

- Offices
- Public buildings
- Retail



Fortimo SLM EaseSelect Gen1

Product specifications

| Product type | Light output lm | Module power W | Module efficacy lm/W | Color temperature K | Color rendering Ra | Color consistency SDCM | Tc life °C | B50/L70 at Tc Life Hours | Order code 12NC |
|-----------------------------------|--------------------|-------------------|-------------------------|------------------------|-----------------------|---------------------------|---------------|--------------------------------|--------------------|
| Fortimo SLM ES 1100 830 PW L09 G1 | 1190 | 12.5 | 95 | 3000 | > 80 | 3 | 85 | > 50,000 | 929 001500580 |
| Fortimo SLM ES 1100 840 L09 G1 | 1190 | 10.9 | 109 | 4000 | > 80 | 3 | 85 | > 50,000 | 929 001500680 |
| Fortimo SLM ES 1100 930 PW L09 G1 | 1030 | 12.3 | 84 | 3000 | > 90 | 3 | 85 | > 50,000 | 929 001500780 |
| Fortimo SLM ES 2000 830 PW L13 G1 | 2150 | 21.5 | 100 | 3000 | > 80 | 3 | 85 | > 50,000 | 929 001500880 |
| Fortimo SLM ES 2000 840 L13 G1 | 2150 | 18.5 | 116 | 4000 | > 80 | 3 | 85 | > 50,000 | 929 001500980 |
| Fortimo SLM ES 2000 930 PW L13 G1 | 1880 | 21.6 | 87 | 3000 | > 90 | 3 | 85 | > 50,000 | 929 001501080 |
| Fortimo SLM ES 3000 830 PW L15 G1 | 2860 | 26.5 | 108 | 3000 | > 80 | 3 | 88 | > 50,000 | 929 001501180 |
| Fortimo SLM ES 3000 840 L15 G1 | 3110 | 25.9 | 120 | 4000 | > 80 | 3 | 88 | > 50,000 | 929 001501280 |
| Fortimo SLM ES 3000 930 PW L15 G1 | 2510 | 26.7 | 94 | 3000 | > 90 | 3 | 88 | > 50,000 | 929 001501380 |

CertaFlux SLM Gen1

Spotlight

Certaflux LED SLM Gen1 is a new CoB family from Philips. This range provides a more affordable CoB solution to customers with wide portfolio, and fully compatible with our Philips Drivers. Please also check the online Easy Design-in Tool for your perfect system combination(www.easydesigntool.com)

Features

- Lumen packages from 400lm to 5000lm
- Broad portfolio in terms of CCT 2700K, 3000K, 3500K, 4000K, 5000K and CRI 80, 90 available
- Up to >130lm/W at 85°C Tc
- High Tc of up to 95°C for simple heat management
- Pre-configured system propositions both in high lm/W and lm/S
- Large choice of drivers available, including DALI dimming
- Philips standard systems warranty applies

Benefits

- Good quality of light for all applications
- Flexibility to optimize luminaire performance
- A reliable and flexible system proposition

Applications

- Retail
- Hospitality
- Office



Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc max | B50/L70 at Tc Life | Order code |
|--------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|--------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | (°C) | Hours | 12NC |
| CertaFlux SLM C 827 1201 L06 1313 G1 | 413 | 3.4 | 120 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001438480 |
| CertaFlux SLM C 830 1201 L06 1313 G1 | 433 | 3.4 | 126 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001438580 |
| CertaFlux SLM C 835 1201 L06 1313 G1 | 441 | 3.4 | 129 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001438680 |
| CertaFlux SLM C 840 1201 L06 1313 G1 | 450 | 3.4 | 131 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001438780 |
| CertaFlux SLM C 860 1201 L06 1313 G1 | 450 | 3.4 | 131 | 6000 | 80 | 3 | 85 | >50,000 | 929001472306 |
| CertaFlux SLM C 850 1201 L06 1313 G1 | 450 | 3.4 | 131 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001438880 |
| CertaFlux SLM C 927 1201 L06 1313 G1 | 342 | 3.4 | 100 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001438980 |
| CertaFlux SLM C 930 1201 L06 1313 G1 | 359 | 3.4 | 105 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001439080 |
| CertaFlux SLM C 935 1201 L06 1313 G1 | 377 | 3.4 | 110 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001439180 |
| CertaFlux SLM C 940 1201 L06 1313 G1 | 385 | 3.4 | 112 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001439280 |
| CertaFlux SLM C 827 1202 L09 1515 G1 | 850 | 6.9 | 124 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001439380 |
| CertaFlux SLM C 830 1202 L09 1515 G1 | 889 | 6.9 | 129 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001439480 |
| CertaFlux SLM C 835 1202 L09 1515 G1 | 907 | 6.9 | 132 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001439580 |
| CertaFlux SLM C 840 1202 L09 1515 G1 | 925 | 6.9 | 134 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001439680 |
| CertaFlux SLM C 850 1202 L09 1515 G1 | 925 | 6.9 | 134 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001439780 |
| CertaFlux SLM C 860 1202 L09 1515 G1 | 925 | 6.9 | 134 | 6000 | 80 | 3 | 85 | >50,000 | 929001472406 |
| CertaFlux SLM C 927 1202 L09 1515 G1 | 702 | 6.9 | 102 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001439880 |
| CertaFlux SLM C 930 1202 L09 1515 G1 | 738 | 6.9 | 107 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001439980 |
| CertaFlux SLM C 935 1202 L09 1515 G1 | 773 | 6.9 | 113 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001440080 |
| CertaFlux SLM C 940 1202 L09 1515 G1 | 790 | 6.9 | 115 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001440180 |

Product specifications

| Product type | Light output | Module power | Module efficacy | Color temperature | Color rendering | Color consistency | Tc max | B50/L70 at Tc Life | Order code |
|--------------------------------------|--------------|--------------|-----------------|-------------------|-----------------|-------------------|--------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | SDCM | (°C) | Hours | 12NC |
| CertaFlux SLM C 827 1203 L09 1515 G1 | 1428 | 12.2 | 117 | 2700 | > 80 | 3 | 85 | > 50,000 | 929001440280 |
| CertaFlux SLM C 830 1203 L09 1515 G1 | 1496 | 12.2 | 123 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001440380 |
| CertaFlux SLM C 835 1203 L09 1515 G1 | 1525 | 12.2 | 125 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001440480 |
| CertaFlux SLM C 840 1203 L09 1515 G1 | 1554 | 12.2 | 128 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001440580 |
| CertaFlux SLM C 850 1203 L09 1515 G1 | 1554 | 12.2 | 128 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001440680 |
| CertaFlux SLM C 860 1203 L09 1515 G1 | 1556 | 12.1 | 128 | 6000 | 80 | 3 | 85 | >50,000 | 929001472506 |
| CertaFlux SLM C 927 1203 L09 1515 G1 | 1181 | 12.2 | 97 | 2700 | > 90 | 3 | 85 | > 50,000 | 929001440780 |
| CertaFlux SLM C 930 1203 L09 1515 G1 | 1241 | 12.2 | 102 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001440880 |
| CertaFlux SLM C 935 1203 L09 1515 G1 | 1302 | 12.2 | 107 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001440980 |
| CertaFlux SLM C 940 1203 L09 1515 G1 | 1331 | 12.2 | 109 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001441080 |
| CertaFlux SLM C 827 1204 L12 1818 G1 | 1915 | 15.6 | 123 | 2700 | 80 | 3 | 85 | >50,000 | 929001472906 |
| CertaFlux SLM C 830 1204 L12 1818 G1 | 2016 | 15.6 | 129 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001441180 |
| CertaFlux SLM C 835 1204 L12 1818 G1 | 2055 | 15.6 | 132 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001441280 |
| CertaFlux SLM C 840 1204 L12 1818 G1 | 2096 | 15.6 | 135 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001441380 |
| CertaFlux SLM C 850 1204 L12 1818 G1 | 2096 | 15.6 | 135 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001441480 |
| CertaFlux SLM C 860 1204 L12 1818 G1 | 2096 | 15.6 | 135 | 6000 | 80 | 3 | 85 | >50,000 | 929001472606 |
| CertaFlux SLM C 930 1204 L12 1818 G1 | 1672 | 15.6 | 107 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001441580 |
| CertaFlux SLM C 935 1204 L12 1818 G1 | 1754 | 15.6 | 113 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001441680 |
| CertaFlux SLM C 940 1204 L12 1818 G1 | 1795 | 15.6 | 115 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001441780 |
| CertaFlux SLM C 827 1205 L12 1818 G1 | 2354 | 19.0 | 124 | 2700 | 80 | 3 | 85 | >50,000 | 929001473006 |
| CertaFlux SLM C 830 1205 L12 1818 G1 | 2478 | 20.7 | 130 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001441880 |
| CertaFlux SLM C 835 1205 L12 1818 G1 | 2528 | 20.7 | 133 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001441980 |
| CertaFlux SLM C 840 1205 L12 1818 G1 | 2577 | 20.7 | 135 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001442080 |
| CertaFlux SLM C 850 1205 L12 1818 G1 | 2577 | 20.7 | 135 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001442180 |
| CertaFlux SLM C 860 1205 L12 1818 G1 | 2578 | 19.0 | 135 | 6000 | 80 | 3 | 85 | >50,000 | 929001472706 |
| CertaFlux SLM C 927 1205 L12 1818 G1 | 2008 | 19.0 | 106 | 2700 | 90 | 3 | 85 | >50,000 | 929001473306 |
| CertaFlux SLM C 930 1205 L12 1818 G1 | 2056 | 20.7 | 108 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001442280 |
| CertaFlux SLM C 935 1205 L12 1818 G1 | 2156 | 20.7 | 113 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001442380 |
| CertaFlux SLM C 940 1205 L12 1818 G1 | 2205 | 20.7 | 116 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001442480 |
| CertaFlux SLM C 950 1205 L12 1818 G1 | 2231 | 19.0 | 117 | 5000 | 90 | 3 | 85 | >50,000 | 929001473506 |
| CertaFlux SLM C 827 1208 L14 1818 G1 | 3496 | 27.5 | 127 | 2700 | 80 | 3 | 85 | >50,000 | 929001473106 |
| CertaFlux SLM C 830 1208 L14 1818 G1 | 3680 | 29.9 | 134 | 3000 | > 80 | 3 | 85 | > 50,000 | 929001442580 |
| CertaFlux SLM C 835 1208 L14 1818 G1 | 3753 | 29.9 | 136 | 3500 | > 80 | 3 | 85 | > 50,000 | 929001442680 |
| CertaFlux SLM C 840 1208 L14 1818 G1 | 3827 | 29.9 | 139 | 4000 | > 80 | 3 | 85 | > 50,000 | 929001442780 |
| CertaFlux SLM C 850 1208 L14 1818 G1 | 3827 | 29.9 | 139 | 5000 | > 80 | 3 | 85 | > 50,000 | 929001442880 |
| CertaFlux SLM C 860 1208 L14 1818 G1 | 3827 | 27.5 | 139 | 6000 | 80 | 3 | 85 | >50,000 | 929001472806 |
| CertaFlux SLM C 927 1208 L14 1818 G1 | 2981 | 27.5 | 108 | 2700 | 90 | 3 | 85 | >50,000 | 929001473406 |
| CertaFlux SLM C 930 1208 L14 1818 G1 | 3054 | 29.9 | 111 | 3000 | > 90 | 3 | 85 | > 50,000 | 929001442980 |
| CertaFlux SLM C 935 1208 L14 1818 G1 | 3201 | 29.9 | 116 | 3500 | > 90 | 3 | 85 | > 50,000 | 929001443080 |
| CertaFlux SLM C 940 1208 L14 1818 G1 | 3276 | 29.9 | 119 | 4000 | > 90 | 3 | 85 | > 50,000 | 929001443180 |
| CertaFlux SLM C 950 1208 L14 1818 G1 | 3312 | 27.5 | 120 | 5000 | 90 | 3 | 85 | >50,000 | 929001473606 |

* Module efficacy is calculated for the typical lm output. For more detailed and latest specifications (including lifetime) please always check the datasheets online or the Easy Design-in Tool.

Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium LED drivers. Xitanium LED drivers are available as a built-in or independent driver, dimmable or with a fixed output. For a detailed overview of all available Xitanium indoor point drivers, please go to the Xitanium indoor point driver section at pages 126-134. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

| Product type | CoB | | | | | | Order code 12NC |
|---------------------------------------|------|------|------|------|------|------|--------------------|
| | 1201 | 1202 | 1203 | 1204 | 1205 | 1208 | |
| Xitanium 10W/m 0.35A 30V SC 230V | | • | • | • | | | 929001412280 |
| Xitanium 16W/m 0.35A 46V SC 230V | | • | • | • | | | 929001412380 |
| Xitanium 23W/m 0.5A 46V SC 230V | | | • | • | • | | 929001412480 |
| Xitanium 28W/m 0.6A 46V SC 230V | | | • | • | • | • | 929001418706 |
| Xitanium 32W/m 0.7A 46V SC 230V | | | | • | • | • | 929001412680 |
| Xitanium 20 W/m 0.15-0.5 A 48 V 230 V | • | • | • | | | | 929000893806 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | | | • | • | • | • | 929000881806 |
| Xitanium 15W 0.35A 42V I 230V | • | • | • | | | | 929001410180 |
| Xitanium 21W 0.5A 42V I 230V | | | • | • | • | | 929001410280 |
| Xitanium 27W 0.6/0.65A 42V I 230V G2 | | | • | • | • | • | 929001418280 |
| Xitanium 32W 0.7/0.75A 42V I 230V G2 | | | | • | • | • | 929001418380 |
| Xitanium 36W 0.8/0.85A 42V I 230V G2 | | | | • | • | • | 929001418580 |
| Xitanium 40W 0.9/0.95A 42V I 230V G2 | | | | | | • | 929001419380 |
| Xitanium 44W 1.0 1.05A 42V I 230V G2 | | | | | | • | 929001418680 |
| CertaDrive 6W 0.15A 40V LPF I 230V | • | • | | | | | 929001411780 |
| CertaDrive 8W 0.2A 40V I 230V CN | | • | | | | | 929000956080 |
| CertaDrive 8W 0.2A 40V LPF I 230V | | • | | | | | 929001409980 |
| CertaDrive 10W 0.25A 40V I 230V CN | | • | • | | | | 929000956180 |
| CertaDrive 10W 0.25A 40V LPF I 230V | | • | • | | | | 929001410006 |
| CertaDrive 12W 0.3A 40V 230V CN | | • | • | | | | 929000953580 |
| CertaDrive 12W 0.3A 40V LPF I 230V | | • | • | | | | 929001409506 |
| CertaDrive 15W 0.35A 42V I 230V | | | • | • | | | 929000898106 |
| CertaDrive 20W 0.5A 40V I 230V | | | • | • | | | 929000898006 |
| CertaDrive 25W 0.6A 42V I 230V G2 | | | | • | • | • | 929001414180 |
| CertaDrive 30W 0.7A 42V I 230V G2 | | | | • | • | • | 929001414280 |
| CertaDrive 34W 0.8A 42V I 230V G2 | | | | | • | • | 929001414380 |
| CertaDrive 38W 0.9A 42V I 230V G2 | | | | | • | • | 929001414480 |
| CertaDrive 44W 1.05A 42V I 230V G2 | | | | | | • | 929001414580 |

* Check the indoor point driver portfolio on page 102 for all available drivers with the operating window you need.

** For more and latest combination, please always check the Easy Design-in Tool.

CertaFlux SLM holders

Spotlight

Certaflux SLM holders will further enhance easy design for our certaflux SLM CoB family. Optimized and compacted designed holders with reliable performance can enhance more flexible design. It also provides upto 3 year warranty with Certaflux SLM CoB + Holders.



Product specifications

| Product type | Type | CoB count | LES | Diameter mm | Order code 12NC |
|-------------------------|---------|----------------|---------|----------------|--------------------|
| Certaflux SLM H PI 1313 | Poke in | 1201 | L06 | 30 | 929001431680 |
| Certaflux SLM H PI 1515 | Poke in | 1202/1203 | L09 | 32 | 929001431780 |
| Certaflux SLM H PI 1818 | Poke in | 1204/1205/1208 | L12/L14 | 35 | 929001431880 |
| Certaflux SLM H 1818 | Wiring | 1204/1205/1208 | L12/L14 | 35 | 929001431980 |

Retail Display Lighting

Lighting products, brightening faces.
Ultimate shopping experience.





With the
premium
light quality

Retail

InteGrade LED System Gen3 - Premium White Range

The InteGrade LED system gen 3 has been designed for ultimate product attractiveness through a combination of a superior light quality, best light distribution and state-of-art efficacy. This range offers two color range: premium white color range and standard color range.

Premium white color range offers an optimized color spectrum enabling enhanced white performance and astonishing lively rich colors for superior visual display of the merchandize with typical CRI 93 while providing an outstanding efficacy up to 125 lm/W to enable lower power consumption. Standard color range enables product colors look natural by means of its specially formulated CRI 90 LEDs, including the food version featuring a single color line of light.

The third generation of the very successful InteGrade range includes the brand new canopy version featuring a slim and miniaturized design with a breakthrough optical design enabling a perfect uniform light distribution in the chillers. Furthermore new InteGrade engine and fixture narrow beam vision provides higher lumen levels and yet maintaining its slim design suitable for aesthetic integration in the applications like chiller doors, where there is no room to place a sizable lighting solution. What is more exciting is InteGrade high flux is available also in premium white to combine the best of both worlds: high flux with premium white takes the product visibility and product attractiveness to the ultimate level, and stimulates the desire to buy.

Moreover an ultimate shopping experience can be created by the combination of the InteGrade LED system premium white and already available premium white spot lighting solutions enabling one look and feel in the store. InteGrade LED engines have been designed to match the most common application lengths, reducing the number of components needed per installation; yet maintaining the outstanding flexibility that its modular approach offers, enabling the creation of odd size lighting solutions to match every project specification. Thanks to a range of engine lengths, fixtures, accessories like mounting profiles, mounting clips, power cables, and Philips constant voltage LED drivers the InteGrade LED system gen 3 offers maximum design flexibility and plug and play simplicity to enable a vast variety of innovative systems with style, modernity and functionality according the needs of the stores.

The key need of food and fashion retailers is to make merchandise shine at the point-of-purchase while consuming less power. That's why we have developed our InteGrade LED system gen 3 portfolio that bring unrivaled product visibility, attractiveness and efficiency.



Premium light quality, throughout the store

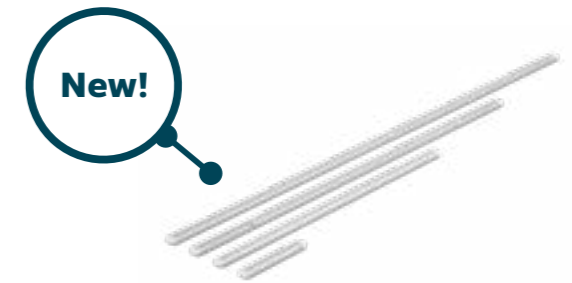
Our new InteGrade gen 3 family offers you superior visual display with best-in-class efficiency. And you can lower energy costs at the same time. We offer two color range: Premium white color range and standard color range. Premium white color lights up shoppers' desire with an optimized color spectrum for enhanced white performance and astonishingly lively rich color with typical CRI 93 while providing an outstanding efficacy up to 125 lm/W to enable lower power consumption. Combined with our premium white spotlighting solutions the InteGrade LED system premium white gen 3 enables you to create a single look and feel for the whole store, for the ultimate shopping experience.

Standard color range enables product colors look natural by means of its specially formulated CRI 90 LEDs, including the food version featuring a single color line of light.

Also great news: InteGrade high flux family, with its breathtaking performance. Its exceptional uniform light distribution brings the light right down to the lowest shelf. The bright, high-quality light displays products more attractively even when behind a glass door. Its miniaturized design means the light source itself is placed out of sight, which further maximizes attention on the products. InteGrade high flux is now available in premium white to combine the best of both worlds.

Maximum design flexibility

We offer you maximum design flexibility thanks to a range of engine lengths, color temperatures, accessories and Philips constant voltage LED drivers. The modular components fit together easily to simplify design-in and ensure hassle-free installation.



Suitable for Retail

For shelf lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|----------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Value Premium White Gen 3 | | | | | |
| InteGrade engine Va 140mm 930 PW G3 | 0.8 | 85 | 93 | 3000 | 929001567506 |
| InteGrade engine Va 575mm 930 PW G3 | 3.4 | 380 | 93 | 3000 | 929001567606 |
| InteGrade engine Va 855mm 930 PW G3 | 4.9 | 550 | 93 | 3000 | 929001567706 |
| InteGrade engine Va 1150mm 930 PW G3 | 6.7 | 760 | 93 | 3000 | 929001567806 |
| InteGrade engine Va 140mm 940 PW G3 | 0.8 | 90 | 93 | 4000 | 929001567906 |
| InteGrade engine Va 575mm 940 PW G3 | 3.4 | 420 | 93 | 4000 | 929001568006 |
| InteGrade engine Va 855mm 940 PW G3 | 4.9 | 600 | 93 | 4000 | 929001568106 |
| InteGrade engine Va 1150mm 940 PW G3 | 6.7 | 840 | 93 | 4000 | 929001568206 |
| InteGrade Engine Vision Premium White Gen 3 | | | | | |
| InteGrade engine Vi 140mm 930 PW G3 | 1.6 | 170 | 93 | 3000 | 929001568306 |
| InteGrade engine Vi 575mm 930 PW G3 | 6.9 | 750 | 93 | 3000 | 929001568406 |
| InteGrade engine Vi 855mm 930 PW G3 | 10.1 | 1090 | 93 | 3000 | 929001568506 |
| InteGrade engine Vi 1150mm 930 PW G3 | 13.8 | 1500 | 93 | 3000 | 929001568606 |
| InteGrade engine Vi 140mm 940 PW G3 | 1.6 | 180 | 93 | 4000 | 929001568706 |
| InteGrade engine Vi 575mm 940 PW G3 | 6.9 | 800 | 93 | 4000 | 929001568806 |
| InteGrade engine Vi 855mm 940 PW G3 | 10.1 | 1160 | 93 | 4000 | 929001568906 |
| InteGrade engine Vi 1150mm 940 PW G3 | 13.8 | 1600 | 93 | 4000 | 929001569006 |

* Correlated color temperature within 5 SDCM range

For canopy lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-----------------------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Uniform Beam Value Premium White Gen 3 | | | | | |
| InteGrade engine UB Va 855mm 930 PW G3 | 9.6 | 940 | 93 | 3000 | 929001626606 |
| InteGrade engine UB Va 1150mm 930 PW G3 | 12.8 | 1250 | 93 | 3000 | 929001626806 |
| InteGrade engine UB Va 855mm 940 PW G3 | 9.6 | 1025 | 93 | 4000 | 929001626706 |
| InteGrade engine UB Va 1150mm 940 PW G3 | 12.8 | 1350 | 93 | 4000 | 929001626906 |
| InteGrade Engine Uniform Beam Vision Premium White Gen 3 | | | | | |
| InteGrade engine UB Vi 140mm 930 PW G3 | 2.5 | 250 | 93 | 3000 | 929001572506 |
| InteGrade engine UB Vi 575mm 930 PW G3 | 10 | 1000 | 93 | 3000 | 929001569706 |
| InteGrade engine UB Vi 855mm 930 PW G3 | 15 | 1500 | 93 | 3000 | 929001569806 |
| InteGrade engine UB Vi 1150mm 930 PW G3 | 20 | 2000 | 93 | 3000 | 929001569906 |
| InteGrade engine UB Vi 140mm 940 PW G3 | 2.5 | 280 | 93 | 4000 | 929001572606 |
| InteGrade engine UB Vi 575mm 940 PW G3 | 10 | 1100 | 93 | 4000 | 929001570006 |
| InteGrade engine UB Vi 855mm 940 PW G3 | 15 | 1650 | 93 | 4000 | 929001570106 |
| InteGrade engine UB Vi 1150mm 940 PW G3 | 20 | 2200 | 93 | 4000 | 929001570206 |

* Correlated color temperature within 5 SDCM range

For chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-----------------------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Narrow Beam Value Premium White Gen 3 | | | | | |
| InteGrade engine NB Va 140mm 930 PW G3 | 1 | 115 | 93 | 3000 | 929001569106 |
| InteGrade engine NB Va 575mm 930 PW G3 | 4.5 | 500 | 93 | 3000 | 929001569206 |
| InteGrade engine NB Va 1430mm 930 PW G3 | 11 | 1230 | 93 | 3000 | 929001569306 |
| InteGrade engine NB Va 140mm 940 PW G3 | 1 | 120 | 93 | 4000 | 929001569406 |
| InteGrade engine NB Va 575mm 940 PW G3 | 4.5 | 530 | 93 | 4000 | 929001569506 |
| InteGrade engine NB Va 1430mm 940 PW G3 | 11 | 1300 | 93 | 4000 | 929001569606 |
| InteGrade Engine Narrow Beam Vision Premium White Gen 3 | | | | | |
| InteGrade engine NB Vi 140mm 930 PW G3 | 2.7 | 280 | 93 | 3000 | 929001605406 |
| InteGrade engine NB Vi 1430mm 930 PW G3 | 27.2 | 2850 | 93 | 3000 | 929001571706 |
| InteGrade engine NB Vi 140mm 940 PW G3 | 2.7 | 300 | 93 | 4000 | 929001605506 |
| InteGrade engine NB Vi 1430mm 940 PW G3 | 27.2 | 3100 | 93 | 4000 | 929001571806 |
| InteGrade Fixture Narrow Beam Value Premium White Gen 3 | | | | | |
| InteGrade F NB Va 1500mm 930 PW SD G3 | 11 | 1230 | 93 | 3000 | 929001572006 |
| InteGrade F NB Va 1500mm 930 PW CTR G3 | 22 | 2460 | 93 | 3000 | 929001572106 |
| InteGrade F NB Va 1500mm 940 PW SD G3 | 11 | 1300 | 93 | 4000 | 929001572206 |
| InteGrade F NB Va 1500mm 940 PW CTR G3 | 22 | 2600 | 93 | 4000 | 929001572306 |
| InteGrade Fixture Narrow Beam Vision Premium White Gen 3 | | | | | |
| InteGrade F NB Vi 1500mm 930 PW SD G3 | 26.2 | 2850 | 93 | 3000 | 929001570306 |
| InteGrade F NB Vi 1500mm 930 PW CTR G3 | 52.4 | 5700 | 93 | 3000 | 929001570406 |
| InteGrade F NB Vi 1500mm 940 PW SD G3 | 26.3 | 3100 | 93 | 4000 | 929001570506 |
| InteGrade F NB Vi 1500mm 940 PW CTR G3 | 52.6 | 6200 | 93 | 4000 | 929001570606 |

* Correlated color temperature within 5 SDCM range

For canopy and chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-------------------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine High Flux Value Premium White Gen 3 | | | | | |
| InteGrade engine HF 140mm 930 PW G3 | 4.4 | 400 | 93 | 3000 | 929001605606 |
| InteGrade engine HF 575mm 930 PW G3 | 17.5 | 1575 | 93 | 3000 | 929001605706 |
| InteGrade engine HF 1150mm 930 PW G3 | 34.9 | 3150 | 93 | 3000 | 929001605806 |
| InteGrade engine HF 140mm 940 PW G3 | 4 | 400 | 93 | 4000 | 929001605906 |
| InteGrade engine HF 575mm 940 PW G3 | 16.1 | 1575 | 93 | 4000 | 929001606006 |
| InteGrade engine HF 1150mm 940 PW G3 | 32.2 | 3150 | 93 | 4000 | 929001606106 |

* Correlated color temperature within 5 SDCM range

Note: InteGrade high flux engines are not standalone engines and they might need to be integrated with a heatsink for thermal management and to achieve 50 khrs lifetime.

Constant voltage drivers

Product specifications

| Product | Order code GPC |
|-------------------------------------------------|----------------|
| LED Power driver 20W 24V | 929000654006 |
| LED Power driver 80W 24V | 929000653906 |
| LED Power driver 100W 24V 100/240V | 929001430080 |
| LED Power Driver 75W - 24V PP ItG-N plug* | 929000869613 |
| Xitanium 77W 100-277V 3.2A XI077C32OV024FNS1M * | 929001708113 |
| Xitanium 100W 100-277V 4.1A XI100C41OV024FNS1M* | 929000771913 |
| LED driver outdoor 100W 100-240V 24V** | 929000485303 |

* Only for NAM region

** Only for Japan

Accessories

Product specifications

| Product | Order code GPC |
|------------------------------------------|----------------|
| Clips | |
| InteGrade mounting clip shelf arm V2 | 929000957806 |
| InteGrade engine clip shelf arm G2 | 929001516006 |
| InteGrade engine mounting clip G2 | 929001516106 |
| InteGrade mounting clip under shelf | 929000643903 |
| InteGrade engine clip magnetic | 929001624606 |
| InteGrade mounting clip canopy | 929001571106 |
| InteGrade engine clip mullion side | 929001624506 |
| InteGrade engine clip mullion center | 929001624406 |
| InteGrade mounting clip for T style prof | 929000853213 |
| Profiles | |
| InteGrade profile 875mm(34") | 929000643413 |
| InteGrade profile 1175mm(46") | 929000643313 |
| InteGrade profile 2000mm(79") | 929000654413 |
| InteGrade profile 2000mm(79") F style | 929000654313 |
| InteGrade profile 2000mm(79") L style | 929000654513 |
| InteGrade prof 2000mm(79") T style CTR | 929000853013 |
| InteGrade profile 2000mm(79") T style SD | 929000853113 |
| InteGrade profile 2356mm (93") M style | 929000871313 |

Accessories

Product specifications

| Product | Order code GPC |
|---------------------------------------------------|----------------|
| Power cables - to connect engine to driver | |
| InteGrade power cable 0.7m white | 929001625306 |
| InteGrade power cable 1m(39") black | 929000641014 |
| InteGrade power cable 2.5m(98") black | 929000641114 |
| InteGrade cable 1m(39") black angle | 929000644614 |
| InteGrade cable 2.5m(98") black angle | 929000644814 |
| InteGrade power cable 1m(39") white | 929000645614 |
| InteGrade power cable 1.85m white | 929001625206 |
| InteGrade power cable 2.5m(98") white | 929000644514 |
| InteGrade cable 1m(39") white angle | 929000644714 |
| InteGrade cable 2.5m(98") white angle | 929000644914 |
| InteGrade power cable 3m black angle | 929001650106 |
| InteGrade power cable 6m white | 929001624806 |
| InteGrade spacer cable 113mm white | 929001625106 |
| InteGrade spacer cable 0.3m black | 929001625006 |
| InteGrade spacer cable 0.5m black | 929000645014 |
| InteGrade spacer cable 0.5m white | 929000645114 |
| InteGrade spacer cable M 0.7m 5.5c black | 929001624706 |
| InteGrade extension cab 1.5m(59")black | 929000874413 |
| InteGrade Y cable black | 929000874313 |
| Other accessories | |
| InteGrade engine lock inline | 929000643713 |
| InteGrade connector | 929000959106 |
| InteGrade magnet for M style profile | 929000871413 |
| InteGrade rotational bracket | 929000874613 |

InteGrade LED System Gen3 – Standard Color Range

Retail

The InteGrade LED system gen 3 has been designed for ultimate product attractiveness through a combination of a superior light quality, best light distribution and state-of-art efficacy. This range offers two color range: premium white color range and standard color range.

Premium white color range offers an optimized color spectrum enabling enhanced white performance and astonishing lively rich colors for superior visual display of the merchandize with typical CRI 93 while providing an outstanding efficacy up to 125 lm/W to enable lower power consumption. Standard color range enables product colors look natural by means of its specially formulated CRI 90 LEDs, including the food version featuring a single color line of light.

The third generation of the very successful InteGrade range includes the brand new canopy version featuring a slim and miniaturized design with a breakthrough optical design enabling a perfect uniform light distribution in the chillers. Furthermore new InteGrade engine and fixture narrow beam vision provides higher lumen levels and yet maintaining its slim design suitable for aesthetic integration in the applications like chiller doors, where there is no room to place a sizable lighting solution.

InteGrade LED engines have been designed to match the most common application lengths, reducing the number of components needed per installation; yet maintaining the outstanding flexibility that its modular approach offers, enabling the creation of odd size lighting solutions to match every project specification. Thanks to a range of engine lengths, fixtures, accessories like mounting profiles, mounting clips, power cables, and Philips constant voltage LED drivers the InteGrade LED system gen 3 offers maximum design flexibility and plug and play simplicity to enable a vast variety of innovative systems with style, modernity and functionality according the needs of the stores.



For shelf lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Value Gen 3 | | | | | |
| InteGrade engine Va 140mm 930 G3 | 0.9 | 85 | 90 | 3000 | 929001574606 |
| InteGrade engine Va 575mm 930 G3 | 3.9 | 380 | 90 | 3000 | 929001574706 |
| InteGrade engine Va 855mm 930 G3 | 5.7 | 550 | 90 | 3000 | 929001574806 |
| InteGrade engine Va 1150mm 930 G3 | 7.8 | 760 | 90 | 3000 | 929001574906 |
| InteGrade engine Va 140mm 935 G3 | 0.8 | 80 | 90 | 3500 | 929001641006 |
| InteGrade engine Va 575mm 935 G3 | 3.6 | 355 | 90 | 3500 | 929001641106 |
| InteGrade engine Va 855mm 935 G3 | 5.2 | 510 | 90 | 3500 | 929001641206 |
| InteGrade engine Va 1150mm 935 G3 | 7.2 | 710 | 90 | 3500 | 929001641306 |
| InteGrade engine Va 140mm 940 G3 | 0.9 | 90 | 90 | 4000 | 929001575006 |
| InteGrade engine Va 575mm 940 G3 | 3.9 | 420 | 90 | 4000 | 929001575106 |
| InteGrade engine Va 855mm 940 G3 | 5.7 | 600 | 90 | 4000 | 929001575206 |
| InteGrade engine Va 1150mm 940 G3 | 7.8 | 840 | 90 | 4000 | 929001575306 |
| InteGrade engine Va 140mm 956 G3 | 1 | 105 | 90 | 5600 | 929001617906 |
| InteGrade engine Va 575mm 956 G3 | 3.9 | 420 | 90 | 5600 | 929001618006 |
| InteGrade engine Va 855mm 956 G3 | 5.8 | 630 | 90 | 5600 | 929001618106 |
| InteGrade engine Va 1150mm 956 G3 | 7.8 | 840 | 90 | 5600 | 929001618206 |
| InteGrade engine Va 140mm WWR G3 | 0.7 | 70 | 90 | | 929001575406 |
| InteGrade engine Va 575mm WWR G3 | 3.2 | 310 | 90 | | 929001575506 |
| InteGrade engine Va 855mm WWR G3 | 4.7 | 450 | 90 | | 929001575606 |
| InteGrade engine Va 1150mm WWR G3 | 6.4 | 620 | 90 | | 929001575706 |

* Correlated color temperature within 5 SDCM range

For shelf lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|----------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Vision Gen 3 | | | | | |
| InteGrade engine Vi 140mm 930 G3 | 1.7 | 170 | 90 | 3000 | 929001575806 |
| InteGrade engine Vi 575mm 930 G3 | 7.3 | 750 | 90 | 3000 | 929001575906 |
| InteGrade engine Vi 855mm 930 G3 | 10.7 | 1090 | 90 | 3000 | 929001576006 |
| InteGrade engine Vi 1150mm 930 G3 | 14.6 | 1500 | 90 | 3000 | 929001576106 |
| InteGrade engine Vi 140mm 935 G3 | 1.6 | 155 | 90 | 3500 | 929001641406 |
| InteGrade engine Vi 575mm 935 G3 | 6.9 | 680 | 90 | 3500 | 929001641506 |
| InteGrade engine Vi 855mm 935 G3 | 10.1 | 990 | 90 | 3500 | 929001641606 |
| InteGrade engine Vi 1150mm 935 G3 | 13.8 | 1365 | 90 | 3500 | 929001641706 |
| InteGrade engine Vi 140mm 940 G3 | 1.7 | 180 | 90 | 4000 | 929001576206 |
| InteGrade engine Vi 575mm 940 G3 | 7.3 | 800 | 90 | 4000 | 929001576306 |
| InteGrade engine Vi 855mm 940 G3 | 10.7 | 1160 | 90 | 4000 | 929001576406 |
| InteGrade engine Vi 1150mm 940 G3 | 14.6 | 1600 | 90 | 4000 | 929001576506 |
| InteGrade engine Vi 140mm 956 G3 | 1.9 | 200 | 90 | 5600 | 929001618306 |
| InteGrade engine Vi 575mm 956 G3 | 7.4 | 800 | 90 | 5600 | 929001618406 |
| InteGrade engine Vi 855mm 956 G3 | 11.1 | 1200 | 90 | 5600 | 929001618506 |
| InteGrade engine Vi 1150mm 956 G3 | 14.9 | 1600 | 90 | 5600 | 929001618606 |
| InteGrade engine Vi 140mm WWR G3 | 1.5 | 150 | 90 | | 929001576606 |
| InteGrade engine Vi 575mm WWR G3 | 6.6 | 650 | 90 | | 929001576706 |
| InteGrade engine Vi 855mm WWR G3 | 9.7 | 950 | 90 | | 929001576806 |
| InteGrade engine Vi 1150mm WWR G3 | 13.2 | 1300 | 90 | | 929001576906 |
| InteGrade engine Vi HL 140mm 935 G3** | 2.4 | 240 | 90 | 3500 | 929001651506 |
| InteGrade engine Vi HL 575mm 935 G3** | 9.6 | 950 | 90 | 3500 | 929001651606 |
| InteGrade engine Vi HL 855mm 935 G3** | 14.4 | 1425 | 90 | 3500 | 929001651706 |
| InteGrade engine Vi HL 1150mm 935 G3** | 19.2 | 1875 | 90 | 3500 | 929001651806 |

* Correlated color temperature within 5 SDCM range
Only fo NAM region

Suitable for Retail

For canopy lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|--------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Uniform Beam Value Gen 3 | | | | | |
| InteGrade engine UB Va 855mm 930 G3 | 9.4 | 890 | 90 | 3000 | 929001603706 |
| InteGrade engine UB Va 1150mm 930 G3 | 13 | 1200 | 90 | 3000 | 929001603806 |
| InteGrade engine UB Va 855mm 940 G3 | 9.4 | 970 | 90 | 4000 | 929001603906 |
| InteGrade engine UB Va 1150mm 940 G3 | 13 | 1300 | 90 | 4000 | 929001604006 |
| InteGrade engine UB Va 855mm WWR G3 | 7.9 | 700 | 90 | | 929001604106 |
| InteGrade engine UB Va 1150mm WWR G3 | 11 | 900 | 90 | | 929001604206 |

* Correlated color temperature within 5 SDCM range

Suitable for Retail

For canopy lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|---------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Uniform Beam Vision Gen 3 | | | | | |
| InteGrade engine UB Vi 140mm 930 G3 | 2.6 | 240 | 90 | 3000 | 929001578506 |
| InteGrade engine UB Vi 575mm 930 G3 | 10 | 950 | 90 | 3000 | 929001578606 |
| InteGrade engine UB Vi 855mm 930 G3 | 15 | 1450 | 90 | 3000 | 929001578706 |
| InteGrade engine UB Vi 1150mm 930 G3 | 20 | 1950 | 90 | 3000 | 929001578806 |
| InteGrade engine UB Vi 140mm 935 G3 | 2.4 | 245 | 90 | 3500 | 929001642106 |
| InteGrade engine UB Vi 575mm 935 G3 | 9.6 | 990 | 90 | 3500 | 929001642006 |
| InteGrade engine UB Vi 855mm 935 G3 | 14.4 | 1500 | 90 | 3500 | 929001641906 |
| InteGrade engine UB Vi 1150mm 935 G3 | 19.2 | 1975 | 90 | 3500 | 929001641806 |
| InteGrade engine UB Vi 140mm 940 G3 | 2.6 | 260 | 90 | 4000 | 929001578906 |
| InteGrade engine UB Vi 575mm 940 G3 | 10 | 1050 | 90 | 4000 | 929001579006 |
| InteGrade engine UB Vi 855mm 940 G3 | 15 | 1600 | 90 | 4000 | 929001579106 |
| InteGrade engine UB Vi 1150mm 940 G3 | 20 | 2100 | 90 | 4000 | 929001579206 |
| InteGrade engine UB Vi 140mm WWR G3 | 1.9 | 175 | 90 | | 929001579306 |
| InteGrade engine UB Vi 575mm WWR G3 | 7.5 | 700 | 90 | | 929001579406 |
| InteGrade engine UB Vi 855mm WWR G3 | 11 | 1050 | 90 | | 929001579506 |
| InteGrade engine UB Vi 1150mm WWR G3 | 15 | 1400 | 90 | | 929001579606 |

* Correlated color temperature within 5 SDCM range

For chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|--------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine Narrow Beam Value Gen 3 | | | | | |
| InteGrade engine NB Va 140mm 930 G3 | 1.2 | 125 | 90 | 3000 | 929001577006 |
| InteGrade engine NB Va 575mm 930 G3 | 4.8 | 500 | 90 | 3000 | 929001577106 |
| InteGrade engine NB Va 1430mm 930 G3 | 11.9 | 1230 | 90 | 3000 | 929001577206 |
| InteGrade engine NB Va 140mm 940 G3 | 1.2 | 130 | 90 | 4000 | 929001577306 |
| InteGrade engine NB Va 575mm 940 G3 | 4.8 | 530 | 90 | 4000 | 929001577406 |
| InteGrade engine NB Va 1430mm 940 G3 | 11.9 | 1300 | 90 | 4000 | 929001577506 |
| InteGrade engine NB Va 140mm 956 G3 | 1.1 | 120 | 90 | 5600 | 929001618706 |
| InteGrade engine NB Va 575mm 956 G3 | 4.3 | 480 | 90 | 5600 | 929001618806 |
| InteGrade engine NB Va 1430mm 956 G3 | 10.7 | 1200 | 90 | 5600 | 929001618906 |
| InteGrade engine NB Va 140mm WWR G3 | 1.3 | 125 | 90 | | 929001577606 |
| InteGrade engine NB Va 575mm WWR G3 | 5.1 | 500 | 90 | | 929001577706 |
| InteGrade engine NB Va 1430mm WWR G3 | 12.7 | 1230 | 90 | | 929001577806 |
| InteGrade Engine Narrow Beam Vision Gen 3 | | | | | |
| InteGrade engine NB Vi 140mm 930 G3 | 2.7 | 260 | 90 | 3000 | 929001605106 |
| InteGrade engine NB Vi 1430mm 930 G3 | 27.3 | 2600 | 90 | 3000 | 929001580306 |
| InteGrade engine NB Vi 140mm 940 G3 | 2.7 | 280 | 90 | 4000 | 929001605206 |
| InteGrade engine NB Vi 1430mm 940 G3 | 27.3 | 2800 | 90 | 4000 | 929001580406 |
| InteGrade engine NB Vi 140mm WWR G3 | 2.7 | 260 | 90 | | 929001605306 |
| InteGrade engine NB Vi 1430mm WWR G3 | 26.6 | 2600 | 90 | | 929001580506 |
| InteGrade Fixture Narrow Beam Value Gen 3 | | | | | |
| InteGrade F NB Va 1500mm 930 SD G3 | 11.7 | 1230 | 90 | 3000 | 929001577906 |
| InteGrade F NB Va 1500mm 930 CTR G3 | 23.4 | 2460 | 90 | 3000 | 929001578006 |
| InteGrade F NB Va 1500mm 940 SD G3 | 11.7 | 1300 | 90 | 4000 | 929001578106 |
| InteGrade F NB Va 1500mm 940 CTR G3 | 23.4 | 2600 | 90 | 4000 | 929001578206 |
| InteGrade F NB Va 1500mm 956 SD G3 | 10.7 | 1200 | 90 | 5600 | 929001619006 |
| InteGrade F NB Va 1500mm 956 CTR G3 | 21.3 | 2400 | 90 | 5600 | 929001619106 |



For chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|---------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Fixture Narrow Beam Value Gen 3 | | | | | |
| InteGrade F NB Va 1500mm WWR SD G3 | 12.7 | 1230 | 90 | | 929001578306 |
| InteGrade F NB Va 1500mm WWR CTR G3 | 25.5 | 2460 | 90 | | 929001578406 |
| InteGrade F NB Va 1500mm WWR SD G3 | 12.7 | 1230 | 90 | | 929001578306 |
| InteGrade F NB Va 1500mm WWR CTR G3 | 25.5 | 2460 | 90 | | 929001578406 |
| InteGrade Fixture Narrow Beam Vision Gen 3 | | | | | |
| InteGrade F NB Vi 1500mm 930 SD G3 | 26.1 | 2600 | 90 | 3000 | 929001579706 |
| InteGrade F NB Vi 1500mm 930 CTR G3 | 52.3 | 5200 | 90 | 3000 | 929001579806 |
| InteGrade F NB Vi 1500mm 940 SD G3 | 26.2 | 2800 | 90 | 4000 | 929001579906 |
| InteGrade F NB Vi 1500mm 940 CTR G3 | 52.4 | 5600 | 90 | 4000 | 929001580006 |
| InteGrade F NB Vi 1500mm WWR SD G3 | 26.6 | 2600 | 90 | | 929001580106 |
| InteGrade F NB Vi 1500mm WWR CTR G3 | 53.2 | 5200 | 90 | | 929001580206 |

* Correlated color temperature within 5 SDCM range

For canopy and chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-----------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine High Flux Gen 3 | | | | | |
| InteGrade engine HF 140mm 930 G3 | 4.4 | 375 | 90 | 3000 | 929001622106 |
| InteGrade engine HF 575mm 930 G3 | 17.5 | 1550 | 90 | 3000 | 929001622206 |
| InteGrade engine HF 1150mm 930 G3 | 35 | 3100 | 90 | 3000 | 929001622306 |
| InteGrade engine HF 140mm 940 G3 | 3.9 | 400 | 90 | 4000 | 929001622406 |
| InteGrade engine HF 575mm 940 G3 | 15.5 | 1575 | 90 | 4000 | 929001622506 |
| InteGrade engine HF 1150mm 940 G3 | 31.1 | 3150 | 90 | 4000 | 929001622606 |
| InteGrade engine HF 140mm WWR G3 | 4.4 | 375 | 90 | | 929001622706 |
| InteGrade engine HF 575mm WWR G3 | 17.5 | 1500 | 90 | | 929001622806 |
| InteGrade engine HF 1150mm WWR G3 | 35.1 | 3000 | 90 | | 929001622906 |

* Correlated color temperature within 5 SDCM range

Note: InteGrade high flux engines are not standalone engines and they might need to be integrated with a heatsink for thermal management and to achieve 50 khrs lifetime.

Constant voltage drivers

Product specifications

| Product | Order code GPC |
|-------------------------------------------------|----------------|
| LED Power driver 20W 24V | 929000654006 |
| LED Power driver 80W 24V | 929000653906 |
| LED Power driver 100W 24V 100/240V | 929001430080 |
| LED Power Driver 75W - 24V PP ItG-N plug* | 929000869613 |
| Xitanium 77W 100-277V 3.2A XI077C320V024FNS1M * | 929001708113 |
| Xitanium 100W 100-277V 4.1A XI100C410V024FNS1M* | 929000771913 |
| LED driver outdoor 100W 100-240V 24V** | 929000485303 |

* Only for NAM region

** Only for Japan

Accessories

Product specifications

| Product | Order code GPC |
|------------------------------------------|----------------|
| Clips | |
| InteGrade mounting clip shelf arm V2 | 929000957806 |
| InteGrade engine clip shelf arm G2 | 929001516006 |
| InteGrade engine mounting clip G2 | 929001516106 |
| InteGrade mounting clip under shelf | 929000643903 |
| InteGrade engine clip magnetic | 929001624606 |
| InteGrade mounting clip canopy | 929001571106 |
| InteGrade engine clip mullion side | 929001624506 |
| InteGrade engine clip mullion center | 929001624406 |
| InteGrade mounting clip for T style prof | 929000853213 |

Profiles

| | |
|------------------------------------------|--------------|
| InteGrade profile 875mm(34") | 929000643413 |
| InteGrade profile 1175mm(46") | 929000643313 |
| InteGrade profile 2000mm(79") | 929000654413 |
| InteGrade profile 2000mm(79") F style | 929000654313 |
| InteGrade profile 2000mm(79") L style | 929000654513 |
| InteGrade prof 2000mm(79") T style CTR | 929000853013 |
| InteGrade profile 2000mm(79") T style SD | 929000853113 |
| InteGrade profile 2356mm (93") M style | 929000871313 |

Power cables - to connect engine to driver

| | |
|------------------------------------------|--------------|
| InteGrade power cable 0.7m white | 929001625306 |
| InteGrade power cable 1m(39") black | 929000641014 |
| InteGrade power cable 2.5m(98") black | 929000641114 |
| InteGrade cable 1m(39") black angle | 929000644614 |
| InteGrade cable 2.5m(98") black angle | 929000644814 |
| InteGrade power cable 1m(39") white | 929000645614 |
| InteGrade power cable 1.85m white | 929001625206 |
| InteGrade power cable 2.5m(98") white | 929000644514 |
| InteGrade cable 1m(39") white angle | 929000644714 |
| InteGrade cable 2.5m(98") white angle | 929000644914 |
| InteGrade power cable 3m black angle | 929001650106 |
| InteGrade power cable 6m white | 929001624806 |
| InteGrade spacer cable 113mm white | 929001625106 |
| InteGrade spacer cable 0.3m black | 929001625006 |
| InteGrade spacer cable 0.5m black | 929000645014 |
| InteGrade spacer cable 0.5m white | 929000645114 |
| InteGrade spacer cable M 0.7m 5.5c black | 929001624706 |
| InteGrade extension cab 1.5m(59")black | 929000874413 |
| InteGrade Y cable black | 929000874313 |

Accessories

Product specifications

| Product | Order code GPC |
|--------------------------------------|----------------|
| Other accessories | |
| InteGrade engine lock inline | 929000643713 |
| InteGrade connector | 929000959106 |
| InteGrade magnet for M style profile | 929000871413 |
| InteGrade rotational bracket | 929000874613 |

InteGrade LED System High Flux Gen3

Retail

The InteGrade LED system high flux takes the very successful InteGrade range to a whole new level of specifications beyond imagination. InteGrade LED system high flux has been designed for ultimate product visibility and superior visual display of the merchandize by means of an outstanding bright light distribution combined with a miniaturized unobtrusive design directing the customer focus on the merchandize.

This new range offers a breathtaking performance with superb lumen and lux levels and an exceptional uniform light distribution due to its revolutionary optics that brings light right down to the lowest shelf at the canopy application. InteGrade high flux is now available in premium white to combine the best of both worlds: high flux with premium white takes the product attractiveness to the ultimate level, and stimulates the desire to buy. Next to premium white version, InteGrade high flux has also standard color range with specially formulated CRI 90 LEDs to enable product colors look natural.

InteGrade LED engines have been designed to match the most common application lengths, reducing the number of components needed per installation; yet maintaining the outstanding flexibility that its modular approach offers, enabling the creation of odd size lighting solutions to match every project specification. Thanks to a range of engine lengths, accessories and Titanium constant voltage LED power drivers the InteGrade LED system high flux offers maximum design flexibility and plug and play simplicity to enable a vast variety of innovative systems with style, modernity and functionality according the needs of the stores.

Note that InteGrade high flux engines are not standalone engines and they might need be integrated with a heatsink for thermal management to achieve 50 khrs lifetime. The cabinet framework can be used for that. Our design-in service is available to support you.



For canopy and chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-------------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| InteGrade Engine High Flux Gen 3 | | | | | |
| InteGrade engine HF 140mm 930 G3 | 4.4 | 375 | 90 | 3000 | 929001622106 |
| InteGrade engine HF 575mm 930 G3 | 17.5 | 1550 | 90 | 3000 | 929001622206 |
| InteGrade engine HF 1150mm 930 G3 | 35 | 3100 | 90 | 3000 | 929001622306 |
| InteGrade engine HF 140mm 940 G3 | 3.9 | 400 | 90 | 4000 | 929001622406 |
| InteGrade engine HF 575mm 940 G3 | 15.5 | 1575 | 90 | 4000 | 929001622506 |
| InteGrade engine HF 1150mm 940 G3 | 31.1 | 3150 | 90 | 4000 | 929001622606 |
| InteGrade engine HF 140mm WWR G3 | 4.4 | 375 | 90 | | 929001622706 |
| InteGrade engine HF 575mm WWR G3 | 17.5 | 1500 | 90 | | 929001622806 |
| InteGrade engine HF 1150mm WWR G3 | 35.1 | 3000 | 90 | | 929001622906 |
| InteGrade Engine High Flux Premium Whitw Gen 3 | | | | | |
| InteGrade engine HF 140mm 930 PW G3 | 4.4 | 400 | 93 | 3000 | 929001605606 |
| InteGrade engine HF 575mm 930 PW G3 | 17.5 | 1575 | 93 | 3000 | 929001605706 |
| InteGrade engine HF 1150mm 930 PW G3 | 34.9 | 3150 | 93 | 3000 | 929001605806 |
| InteGrade engine HF 140mm 940 PW G3 | 4 | 400 | 93 | 4000 | 929001605906 |
| InteGrade engine HF 575mm 940 PW G3 | 16.1 | 1575 | 93 | 4000 | 929001606006 |
| InteGrade engine HF 1150mm 940 PW G3 | 32.2 | 3150 | 93 | 4000 | 929001606106 |

* Correlated color temperature within 5 SDCM range

Note: InteGrade high flux engines are not standalone engines and they might need to be integrated with a heatsink for thermal management and to achieve 50 khrs lifetime.



Constant voltage drivers

Product specifications

| Product | Order code GPC |
|-------------------------------------------------|----------------|
| LED Power driver 20W 24V | 929000654006 |
| LED Power driver 80W 24V | 929000653906 |
| LED Power driver 100W 24V 100/240V | 929001430080 |
| LED Power Driver 75W - 24V PP ItG-N plug* | 929000869613 |
| Xitanium 77W 100-277V 3.2A XI077C320V024FNSIM * | 929001708113 |
| Xitanium 100W 100-277V 4.1A XI100C410V024FNSIM* | 929000771913 |
| LED driver outdoor 100W 100-240V 24V** | 929000485303 |

* Only for NAM region
** Only for Japan

Accessories

Product specifications

| Product | Order code GPC |
|---------------------------------------|----------------|
| InteGrade power cable 1m(39") black | 929000641014 |
| InteGrade power cable 2.5m(98") black | 929000641114 |
| InteGrade cable 1m(39") black angle | 929000644614 |
| InteGrade power cable 1m(39") white | 929000645614 |
| InteGrade power cable 2.5m(98") white | 929000644514 |
| InteGrade cable 1m(39") white angle | 929000644714 |
| InteGrade engine lock inline | 929000643713 |
| InteGrade connector | 929000959106 |

CertaFlux RDL LED System Gen1

New!

Retail

Discount and price-fighter retail chains focus on costs. They leverage purchasing power to deliver value, and the customer expects affordable prices and a functional shopping experience. The lighting must support this image, which is where the Philips CertaFlux RDL portfolio comes in. It has established itself as an energy-efficient way to deliver the quality of light this cost-sensitive retail sector is looking for, especially in cooler and shelf applications.

CertaFlux RDL portfolio is optimized for standard applications lengths with options for main cooler applications. A carefully-selected range of accessories is also available including glare shields, mounting clips and cables.

The quality of light and performance are everything a retail discounter needs. With a CRI of >80 and a lumen efficacy up to 120 lm per watt, CertaFlux RDL illuminates products with a uniform, attractive light. What's more, the LEDs have minimal output degradation and color shift over time, so the light remains consistent throughout their long service life.



For shelf lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|-----------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| CertaFlux RDL Shelf Gen 1 | | | | | |
| CertaFlux RDL shelf 575mm 830 G1 | 3 | 370 | 80 | 3000 | 929001665006 |
| CertaFlux RDL shelf 855mm 830 G1 | 4.7 | 550 | 80 | 3000 | 929001665106 |
| CertaFlux RDL shelf 1150mm 830 G1 | 6.2 | 740 | 80 | 3000 | 929001665206 |
| CertaFlux RDL shelf 575mm 835 G1 | 3 | 370 | 80 | 3500 | 929001665306 |
| CertaFlux RDL shelf 855mm 835 G1 | 4.7 | 550 | 80 | 3500 | 929001665406 |
| CertaFlux RDL shelf 1150mm 835 G1 | 6.2 | 740 | 80 | 3500 | 929001665506 |
| CertaFlux RDL shelf 575mm 840 G1 | 3 | 370 | 80 | 4000 | 929001665606 |
| CertaFlux RDL shelf 855mm 840 G1 | 4.7 | 550 | 80 | 4000 | 929001665706 |
| CertaFlux RDL shelf 1150mm 840 G1 | 6.2 | 740 | 80 | 4000 | 929001665806 |
| CertaFlux RDL shelf 575mm MC G1 | 3 | 278 | 80 | | 929001665906 |
| CertaFlux RDL shelf 855mm MC G1 | 4.7 | 413 | 80 | | 929001666006 |
| CertaFlux RDL shelf 1150mm MC G1 | 6.2 | 555 | 80 | | 929001666106 |

* Correlated color temperature within 5 SDCM range
* MC : meat color

For canopy lighting

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| CertaFlux RDL Canopy Gen 1 | | | | | |
| CertaFlux RDL canopy 575mm 830 G1 | 8.6 | 1000 | 80 | 3000 | 929001667406 |
| CertaFlux RDL canopy 855mm 830 G1 | 12.9 | 1500 | 80 | 3000 | 929001667506 |
| CertaFlux RDL canopy 1150mm 830 G1 | 17.2 | 2000 | 80 | 3000 | 929001667606 |
| CertaFlux RDL canopy 575mm 835 G1 | 8.6 | 1000 | 80 | 3500 | 929001667706 |
| CertaFlux RDL canopy 855mm 835 G1 | 12.9 | 1500 | 80 | 3500 | 929001667806 |
| CertaFlux RDL canopy 1150mm 835 G1 | 17.2 | 2000 | 80 | 3500 | 929001667906 |
| CertaFlux RDL canopy 575mm 840 G1 | 8.6 | 1000 | 80 | 4000 | 929001668006 |
| CertaFlux RDL canopy 855mm 840 G1 | 12.9 | 1500 | 80 | 4000 | 929001668106 |
| CertaFlux RDL canopy 1150mm 840 G1 | 17.2 | 2000 | 80 | 4000 | 929001668206 |
| CertaFlux RDL canopy 575mm MC G1 | 8.6 | 700 | 80 | | 929001668306 |
| CertaFlux RDL canopy 855mm MC G1 | 12.9 | 1050 | 80 | | 929001668406 |
| CertaFlux RDL canopy 1150mm MC G1 | 17.2 | 1400 | 80 | | 929001668506 |

* Correlated color temperature within 5 SDCM range
* MC : meat color

For chillers with doors

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|------------------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| CertaFlux RDL Vertical with Glareshield Gen 1 | | | | | |
| CertaFlux RDL vrt 1500mm 830 SD WGS G1 | 9.4 | 1155 | 80 | 3000 | 929001666206 |
| CertaFlux RDL vrt 1500mm 830 CTR WGS G1 | 19.8 | 2420 | 80 | 3000 | 929001666506 |
| CertaFlux RDL vrt 1500mm 840 SD WGS G1 | 9.4 | 1155 | 80 | 4000 | 929001666306 |
| CertaFlux RDL vrt 1500mm 840 CTR WGS G1 | 19.8 | 2420 | 80 | 4000 | 929001666606 |
| CertaFlux RDL vrt 1500mm MC SD WGS G1 | 12.8 | 1090 | 80 | | 929001666406 |
| CertaFlux RDL vrt 1500mm MC CTR WGS G1 | 26.5 | 2260 | 80 | | 929001666706 |
| CertaFlux RDL vrt 1650mm 830 SD WGS G1 | 10.8 | 1270 | 80 | 3000 | 929001666806 |
| CertaFlux RDL vrt 1650mm 830 CTR WGS G1 | 21.6 | 2640 | 80 | 3000 | 929001667106 |
| CertaFlux RDL vrt 1650mm 840 SD WGS G1 | 10.8 | 1270 | 80 | 4000 | 929001666906 |
| CertaFlux RDL vrt 1650mm 840 CTR WGS G1 | 21.6 | 2640 | 80 | 4000 | 929001667206 |
| CertaFlux RDL vrt 1650mm MC SD WGS G1 | 14.2 | 1200 | 80 | | 929001667006 |
| CertaFlux RDL vrt 1650mm MC CTR WGS G1 | 28.9 | 2480 | 80 | | 929001667306 |

* Correlated color temperature within 5 SDCM range
* MC : meat color

Constant voltage drivers

Product specifications

| Product | Order code GPC |
|-------------------------------------------------|----------------|
| LED Power driver 80W 24V | 929000653906 |
| LED Power driver 100W 24V 100/240V | 929001430080 |
| LED Power Driver 75W - 24V PP ItG-N plug* | 929000869613 |
| CertaDrive 35W/24VDC 220-240V | 929001424006 |
| CertaDrive 60W/24VDC 220-240V | 929001424106 |
| CertaDrive 100W/24VDC 220-240V | 929001424206 |
| CertaDrive 120W/24VDC 220-240V | 929001424306 |
| Xitanium 77W 100-277V 3.2A XI077C320V024FNS1M * | 929001708113 |
| Xitanium 100W 100-277V 4.1A XI100C410V024FNS1M* | 929000771913 |
| LED driver outdoor 100W 100-240V 24V** | 929000485303 |

* Only for NAM region
** Only for Japan

Accessories

Product specifications

| Product | Order code GPC |
|---------------------------------------------------|----------------|
| Clips | |
| CertaFlux RDL clip canopy 0° surface | 929000957806 |
| CertaFlux RDL clip canopy 30° surface | 929001516006 |
| CertaFlux RDL clip shelf front | 929001516106 |
| CertaFlux RDL clip shelf arm | 929000643903 |
| CertaFlux RDL clip shelf magnetic | 929001624606 |
| Power cables - to connect engine to driver | |
| InteGrade power cable 0.7m white | 929001625306 |
| InteGrade power cable 1m(39") black | 929000641014 |
| InteGrade power cable 2.5m(98") black | 929000641114 |
| InteGrade cable 1m(39") black angle | 929000644614 |
| InteGrade cable 2.5m(98") black angle | 929000644814 |
| InteGrade power cable 1m(39") white | 929000645614 |
| InteGrade power cable 1.85m white | 929001625206 |
| InteGrade power cable 2.5m(98") white | 929000644514 |
| InteGrade cable 1m(39") white angle | 929000644714 |
| InteGrade cable 2.5m(98") white angle | 929000644914 |
| InteGrade power cable 3m black angle | 929001650106 |
| InteGrade power cable 6m white | 929001624806 |
| InteGrade spacer cable 113mm white | 929001625106 |
| InteGrade spacer cable 0.3m black | 929001625006 |
| InteGrade spacer cable 0.5m black | 929000645014 |
| InteGrade spacer cable 0.5m white | 929000645114 |
| InteGrade spacer cable M 0.7m 5.5c black | 929001624706 |
| InteGrade extension cab 1.5m(59")black | 929000874413 |
| InteGrade Y cable black | 929000874313 |

PrimeSet RDL 500/510 LED system Gen1

Retail

Philips LED lighting for freezer cases is a sustainable and energy-efficient way to create an enjoyable shopping experience for customers – while at the same time supporting retailers' brand values. RDL500 and RDL510 modules can be vertically integrated in full-height glass-door refrigeration cabinets.



RDL 500/510

Suitable for Retail

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|----------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| RDL500 Value | | | | | |
| PrimeSet RDL 500 1200 mm (47") 841 G1 | 7.9 | 900 | 85 | 4100 | 929000891106 |
| PrimeSet RDL 500 1200 mm (47") 856 G1 | 9 | 1000 | 85 | 5600 | 929000891006 |
| PrimeSet RDL 500 1500 mm (59") 841 G1 | 9.9 | 1200 | 85 | 4100 | 929000890706 |
| PrimeSet RDL 500 1500 mm (59") 856 G1 | 11.7 | 1300 | 85 | 5600 | 929000890606 |
| PrimeSet RDL 500 1700 mm (67") 841 G1 | 11 | 1300 | 85 | 4100 | 929000890306 |
| PrimeSet RDL 500 1700 mm (67") 856 G1 | 12.9 | 1400 | 85 | 5600 | 929000890206 |
| RDL500 Vision | | | | | |
| PrimeSet RDL 500 Vision 1200 mm (47") 841 G1 | 15.4 | 1900 | 85 | 4100 | 929001501806 |
| PrimeSet RDL 500 Vision 1200 mm (47") 856 G1 | 17 | 2000 | 85 | 5600 | 929001501906 |
| PrimeSet RDL 500 Vision 1500 mm (59") 841 G1 | 19.4 | 2200 | 85 | 4100 | 929000934106 |
| PrimeSet RDL 500 Vision 1500 mm (59") 856 G1 | 22 | 2400 | 85 | 5600 | 929000934006 |
| PrimeSet RDL 500 Vision 1700 mm (67") 841 G1 | 21.9 | 2500 | 85 | 4100 | 929000933906 |
| PrimeSet RDL 500 Vision 1700 mm (67") 856 G1 | 24.7 | 2700 | 85 | 5600 | 929000933806 |
| RDL510 Vision | | | | | |
| PrimeSet RDL 510 Vision 750 mm (30") 841 G1 | 9.3 | 1100 | 85 | 4100 | 929000934506 |
| PrimeSet RDL 510 Vision 750 mm (30") 856 G1 | 10.2 | 1200 | 85 | 5600 | 929000934406 |
| PrimeSet RDL 510 Vision 850 mm (34") 841 G1 | 10.8 | 1300 | 85 | 4100 | 929001502006 |
| PrimeSet RDL 510 Vision 850 mm (34") 856 G1 | 12 | 1400 | 85 | 5600 | 929001502106 |
| PrimeSet RDL 510 Vision 950 mm (37") 841 G1 | 11.8 | 1400 | 85 | 4100 | 929000934306 |
| PrimeSet RDL 510 Vision 950 mm (37") 856 G1 | 12.9 | 1500 | 85 | 5600 | 929000934206 |

* Correlated color temperature within 5 SDCM range

Constant voltage drivers

Product specifications

| Product | Order code GPC |
|-------------------------------------------------|----------------|
| LED Power driver 20W 24V | 929000654006 |
| LED Power driver 80W 24V | 929000653906 |
| LED Power driver 100W 24V 100/240V | 929001430080 |
| Xitanium 77W 100-277V 3.2A XI077C320V024FNSIM * | 929001708113 |
| Xitanium 100W 100-277V 4.1A XI100C410V024FNSIM* | 929000771913 |
| LED driver outdoor 100W 100-240V 24V** | 929000485303 |

* Only for NAM region

** Only for Japan

Accessories

Product specifications

| Product | Order code GPC |
|---------------------------------------------------|----------------|
| Profiles | |
| PrimeSet RDL-mount prof CTR 750mm | 929000894006 |
| PrimeSet RDL-mount prof CTR 850mm | 929001507306 |
| PrimeSet RDL-mount prof CTR 950mm | 929000894106 |
| PrimeSet RDL-mount prof CTR 1200mm | 929000894206 |
| PrimeSet RDL-mount prof CTR 1500mm | 929000894306 |
| PrimeSet RDL-mount prof CTR 1700mm | 929000894406 |
| PrimeSet RDL-mount prof SD 750mm | 929000894706 |
| PrimeSet RDL-mount prof SD 850mm | 929001507406 |
| PrimeSet RDL-mount prof SD 950mm | 929000894806 |
| PrimeSet RDL-mount prof SD 1200mm | 929000894906 |
| PrimeSet RDL-mount prof SD 1500mm | 929000895006 |
| PrimeSet RDL-mount prof SD 1700mm | 929000895106 |
| PrimeSet RDL-mount prof CTR 1200mm-47" B* | 929000897706 |
| PrimeSet RDL-mount prof CTR 1500mm-59" B* | 929000894506 |
| PrimeSet RDL-mount prof CTR 1700mm-67" B* | 929000894606 |
| PrimeSet RDL-mount prof SD 1200mm-47" B* | 929000897806 |
| PrimeSet RDL-mount prof SD 1500mm-59" B* | 929000895206 |
| PrimeSet RDL-mount prof SD 1700mm-67" B* | 929000895306 |
| Power cables - to connect engine to driver | |
| PrimeSet RDL - centre cable 1m (39") B | 929000892706 |
| PrimeSet RDL - side cable 1m (39") B | 929000892806 |
| PrimeSet RDL - centre cable 2.5m (98") B | 929000957206 |
| PrimeSet RDL - side cable 2.5m (98") B | 929000957306 |

* Only for NAM region



PrimeSet LDM524 LED System Gen1

Retail

Philips LED lighting for well & serve-over cases is a sustainable and energy-efficient way to create an enjoyable shopping experience for customers – while at the same time supporting retailers' brand values.



LDM524

Suitable for Retail

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|---------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| LDM524 Value (standard color range) | | | | | |
| PrimeSet Value LDM 524 850mm (33") 840 | 10 | 1100 | 85 | 4000 | 929000969806 |
| PrimeSet Value LDM 524 850mm (33") 856 | 10 | 1100 | 85 | 5600 | 929000969706 |
| PrimeSet Value LDM 524 1175mm (46") 840 | 13 | 1500 | 85 | 4000 | 929000969606 |
| PrimeSet Value LDM 524 1175mm (46") 856 | 13 | 1500 | 85 | 5600 | 929000969506 |
| LDM524 Vision (standard color range) | | | | | |
| PrimeSet Vision LDM 524 250mm (10") 830 | 4 | 400 | 85 | 3000 | 929000969306 |
| PrimeSet Vision LDM 524 250mm (10") 840 | 4 | 400 | 85 | 4000 | 929000969206 |
| PrimeSet Vision LDM 524 250mm (10") WWR | 2.7 | 250 | 90 | | 929001600206 |
| PrimeSet Vision LDM 524 850mm (33") 830 | 15 | 1600 | 85 | 3000 | 929000969006 |
| PrimeSet Vision LDM 524 850mm (33") 840 | 15 | 1700 | 85 | 4000 | 929000968906 |
| PrimeSet Vision LDM 524 850mm (33") WWR | 11 | 1000 | 90 | | 929001600106 |
| PrimeSet Vision LDM 524 1175mm (46") 830 | 20 | 2100 | 85 | 3000 | 929000968706 |
| PrimeSet Vision LDM 524 1175mm (46") 840 | 20 | 2100 | 85 | 4000 | 929000968606 |
| PrimeSet Vision LDM 524 1175mm (46") WWR | 15 | 1400 | 90 | | 929001600006 |

* Correlated color temperature within 5 SDCM range

Product specifications

| Product type | Power consumption | Lumen | Color rendering index | Correlated color temperature* | Order code |
|--------------------------------------------|-------------------|--------------------|-----------------------|-------------------------------|--------------|
| | W (typical ± 20%) | lm (typical ± 20%) | K | min. CRI | GPC |
| LDM524 Value (premium white range) | | | | | |
| PrimeSet Value LDM 524 850mm 940 PW | 10.4 | 1100 | 93 | 4000 | 929001626506 |
| PrimeSet Value LDM 524 1175mm 940 PW | 13.9 | 1500 | 93 | 4000 | 929001626406 |
| LDM524 Vision (premium white range) | | | | | |
| PrimeSet Vision LDM 524 250mm(10") 930 PW | 4 | 400 | 93 | 3000 | 929001626306 |
| PrimeSet Vision LDM 524 850mm(33") 930 PW | 16.4 | 1600 | 93 | 3000 | 929001626106 |
| PrimeSet Vision LDM 524 1175mm(46") 930 PW | 21.9 | 2100 | 93 | 3000 | 929001625906 |
| PrimeSet Vision LDM 524 250mm(10") 940 PW | 3.8 | 400 | 93 | 4000 | 929001626206 |
| PrimeSet Vision LDM 524 850mm(33") 940 PW | 15.1 | 1600 | 93 | 4000 | 929001626006 |
| PrimeSet Vision LDM 524 1175mm(46") 940 PW | 20.1 | 2100 | 93 | 4000 | 929001625806 |

* Correlated color temperature within 5 SDCM range

Constant voltage drivers

Product specifications

| Product | Order code GPC |
|-------------------------------------------------|----------------|
| LED Power driver 20W 24V | 929000654006 |
| LED Power driver 80W 24V | 929000653906 |
| LED Power driver 100W 24V 100/240V | 929001430080 |
| Xitanium 77W 100-277V 3.2A XI077C320V024FNSIM * | 929001708113 |
| Xitanium 100W 100-277V 4.1A XI100C410V024FNSIM* | 929000771913 |
| LED driver outdoor 100W 100-240V 24V** | 929000485303 |

* Only for NAM region

** Only for Japan

Accessories

Product specifications

| Product | Order code GPC |
|--------------------------------|----------------|
| Mounting profile 850mm | 929000977206 |
| Mounting profile 1175mm | 929000977306 |
| Mounting profile 45degr 850mm | 929000977506 |
| Mounting profile 45degr 1175mm | 929000977606 |
| Mounting clips | 929000605913 |

Fortimo LEDFlex Gen1

Retail

LED innovations in the pre-launch phase. Extending RDL business from Refrigeration Display Lighting to Retail Display Lighting!

Fortimo LEDFlex Gen 1 combined with our premium white spotlighting solutions the InteGrade LED System Premium White Gen 3 will enable you to create a single look and feel for the whole store, for the ultimate shopping experience.



Linear Modules

Enabling design of high-performance linear LED luminaires. Ideal for recessed and surface mounted office luminaires, trunking, waterproof or high bay.



Fortimo LED Line Gen4

Linear

Fortimo LED Line Systems are designed to produce pure white light for general lighting applications with high efficiency levels. The Fortimo LED Line portfolio consists of three main ranges of products, which have been differentiated by the number of rows of LEDs on the module. The Fortimo LED Line 1R System, with one row of LEDs on the module, is ideal for applications requiring beam shaping and where light is intended to fall on a vertical surface, such as racking or shelves. The Fortimo LED Line 1R and 3R Systems have been designed to produce high efficiency, pure white light, for general lighting applications where diffuse lighting on the horizontal plane is key.

Features

- State-of-the-art LED Module efficacy of up to 178 lm/W
- Long life-time: >50,000 hours
- High color rendering (CRI >80 and >90)
- Excellent color consistency of 3 SDCM
- Color temperatures: 3000K, 3500K, 4000K, 5000K and 6500K
- Two LED row : 1R, 3R
- Zhaga compliant

Benefits

- Increased energy efficiency
- Temperature (Tc) range from -40 °C to +80 °C
- Applicable for all fluorescent luminaires replacement
- Smart system with Xitanium Driver
- Five year system warranty

Applications

- Offices
- Industry



Fortimo LED Line Gen4

Product specifications

| Product type | Light output* | Power consumption* | Module efficacy* | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | LED Row | Connector position | Order code |
|-----------------------------------------|---------------|--------------------|------------------|-------------------|-----------------------|---------|-------|----------|---------|--------------------|--------------|
| | lm | W | lm/W | SDCM | Ra | °C | | Hours | | | 12NC |
| Fortimo LED Line 1ft 1100lm 830 1R HV4 | 1046 | 6.3 | 167 | 3000 | 80 | 80 | HV | 50000 | 1 | Front | 929001542306 |
| Fortimo LED Line 1ft 1100lm 840 1R HV4 | 1100 | 6.3 | 176 | 4000 | 80 | 80 | HV | 50000 | 1 | Front | 929001542406 |
| Fortimo LED Line 1ft 1100lm 850 1R HV4 | 1111 | 6.3 | 178 | 5000 | 80 | 80 | HV | 50000 | 1 | Front | 929001542506 |
| Fortimo LED Line 1ft 1100lm 865 1R HV4 | 1100 | 6.3 | 178 | 6500 | 80 | 80 | HV | 50000 | 1 | Front | 929001547006 |
| Fortimo LED Line 1ft 1100lm 830 1R LV4 | 1046 | 6.3 | 167 | 3000 | 80 | 80 | LV | 50000 | 1 | Front | 929001542606 |
| Fortimo LED Line 1ft 1100lm 835 1R LV4 | 1078 | 6.3 | 176 | 3500 | 80 | 80 | LV | 50000 | 1 | Front | 929001542706 |
| Fortimo LED Line 1ft 1100lm 840 1R LV4 | 1100 | 6.3 | 178 | 4000 | 80 | 80 | LV | 50000 | 1 | Front | 929001542806 |
| Fortimo LED Line 1ft 1100lm 850 1R LV4 | 1111 | 6.3 | 178 | 5000 | 80 | 80 | LV | 50000 | 1 | Front | 929001547106 |
| Fortimo LED Line 2ft 2200lm 830 1R HV4 | 2094 | 12.5 | 167 | 3000 | 80 | 80 | HV | 50000 | 1 | Front | 929001542906 |
| Fortimo LED Line 2ft 2200lm 840 1R HV4 | 2200 | 12.5 | 176 | 4000 | 80 | 80 | HV | 50000 | 1 | Front | 929001543006 |
| Fortimo LED Line 2ft 2200lm 850 1R HV4 | 2222 | 12.5 | 178 | 5000 | 80 | 80 | HV | 50000 | 1 | Front | 929001543106 |
| Fortimo LED Line 2ft 2200lm 865 1R HV4 | 2200 | 12.5 | 176 | 6500 | 80 | 80 | HV | 50000 | 1 | Front | 929001543206 |
| Fortimo LED Line 2ft 2200lm 830 1R LV4 | 2092 | 12.5 | 167 | 3000 | 80 | 80 | LV | 50000 | 1 | Front | 929001543306 |
| Fortimo LED Line 2ft 2200lm 835 1R LV4 | 2155 | 12.5 | 176 | 3500 | 80 | 80 | LV | 50000 | 1 | Front | 929001543406 |
| Fortimo LED Line 2ft 2200lm 840 1R LV4 | 2200 | 12.5 | 178 | 4000 | 80 | 80 | LV | 50000 | 1 | Front | 929001543506 |
| Fortimo LED Line 2ft 2200lm 850 1R LV4 | 2224 | 12.5 | 176 | 5000 | 80 | 80 | LV | 50000 | 1 | Front | 929001543606 |
| Fortimo LED Line 1ft 650lm 830 3R HV4 | 604 | 3.7 | 164 | 3000 | 80 | 80 | HV | 50000 | 3 | Front | 929001543706 |
| Fortimo LED Line 1ft 650lm 840 3R HV4 | 650 | 3.7 | 176 | 4000 | 80 | 80 | HV | 50000 | 3 | Front | 929001543806 |
| Fortimo LED Line 1ft 650lm 850 3R HV4 | 650 | 3.7 | 176 | 5000 | 80 | 80 | HV | 50000 | 3 | Front | 929001543906 |
| Fortimo LED Line 1ft 650lm 830 3R LV4 | 604 | 3.7 | 164 | 3000 | 80 | 80 | LV | 50000 | 3 | Front | 929001544006 |
| Fortimo LED Line 1ft 650lm 840 3R LV4 | 650 | 3.7 | 176 | 4000 | 80 | 80 | LV | 50000 | 3 | Front | 929001544106 |
| Fortimo LED Line 1ft 650lm 850 3R LV4 | 650 | 3.7 | 176 | 5000 | 80 | 80 | LV | 50000 | 3 | Front | 929001544206 |
| Fortimo LED Line 1ft 1100lm 830 3R HV4F | 1047 | 6.3 | 177 | 3000 | 80 | 80 | HV | 50000 | 3 | Front | 929001544306 |
| Fortimo LED Line 1ft 1100lm 840 3R HV4F | 1100 | 5.9 | 187 | 4000 | 80 | 80 | HV | 50000 | 3 | Front | 929001544406 |
| Fortimo LED Line 1ft 1100lm 850 3R HV4F | 1112 | 5.9 | 188 | 5000 | 80 | 80 | HV | 50000 | 3 | Front | 929001544506 |
| Fortimo LED Line 1ft 1100lm 930 3R HV4F | 1046 | 7.3 | 144 | 3000 | 90 | 80 | HV | 50000 | 3 | Front | 929001544606 |
| Fortimo LED Line 1ft 1100lm 940 3R HV4F | 1100 | 7.3 | 151 | 4000 | 90 | 80 | HV | 50000 | 3 | Front | 929001544706 |
| Fortimo LED Line 2ft 2200lm 830 3R HV4 | 2094 | 11.8 | 177 | 3000 | 80 | 80 | HV | 50000 | 3 | Front | 929001544806 |
| Fortimo LED Line 2ft 2200lm 840 3R HV4 | 2200 | 11.8 | 187 | 4000 | 80 | 80 | HV | 50000 | 3 | Front | 929001544906 |
| Fortimo LED Line 2ft 2200lm 850 3R HV4 | 2224 | 11.8 | 188 | 5000 | 80 | 80 | HV | 50000 | 3 | Front | 929001545006 |
| Fortimo LED Line 1ft 1100lm 830 3R LV4 | 1047 | 6.3 | 177 | 3000 | 80 | 80 | LV | 50000 | 3 | Front | 929001545106 |
| Fortimo LED Line 1ft 1100lm 835 3R LV4 | 1099 | 6 | 182 | 3500 | 80 | 80 | LV | 50000 | 3 | Front | 929001545206 |
| Fortimo LED Line 1ft 1100lm 840 3R LV4 | 1100 | 5.9 | 187 | 4000 | 80 | 80 | LV | 50000 | 3 | Front | 929001545306 |
| Fortimo LED Line 1ft 1100lm 850 3R LV4 | 1112 | 5.9 | 188 | 5000 | 80 | 80 | LV | 50000 | 3 | Front | 929001545406 |
| Fortimo LED Line 1ft 1100lm 830 3R HV4B | 1047 | 6.3 | 177 | 3000 | 80 | 80 | HV | 50000 | 3 | Back | 929001545506 |
| Fortimo LED Line 1ft 1100lm 840 3R HV4B | 1100 | 5.9 | 187 | 4000 | 80 | 80 | HV | 50000 | 3 | Back | 929001545606 |
| Fortimo LED Line 1ft 1100lm 850 3R HV4B | 1112 | 5.9 | 188 | 5000 | 80 | 80 | HV | 50000 | 3 | Back | 929001545706 |

Non-isolated LED Drivers (HV)

Product specifications

| Driver type/Product type | # of LED Modules in series | | | | | Order code |
|-----------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|--------------|
| | 1R Systems 1ft 1100lm HV | 1R Systems 2ft 2200lm HV | 3R Systems 1ft 1100lm HV | 3R Systems 2ft 2200lm HV | 3R Systems 1ft 650lm HV | |
| Fixed Output | | | | | | |
| Xitanium 35W 0.08-0.35A 150V S 230V | 2-4 | 1-2 | 2-4 | 1-2 | 3-5 | 929001506406 |
| Xitanium 36W 0.12-0.4A 115V 230V | 2-3 | 1 | 2-3 | 1 | 3-4 | 929000950606 |
| Xitanium 60W 0.08-0.35A 220V S 230V | 4-9 | 2-4 | 3-7 | 1-3 | 3-7 | 929001509106 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 3-7 | 1-3 | 4-9 | 2-4 | 5-10 | 929001506506 |
| Xitanium 75W 0.12-0.4A 220V 230V | 4-7 | 2-3 | 4-7 | 2-3 | 6-7 | 929000950706 |
| 1-10V | | | | | | |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | 1 | | 1 | | 3-4 | 929000684803 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 2-3 | 1 | 2-3 | 1 | 6-7 | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 4-7 | 2-3 | 4-7 | 2-3 | | 929000953706 |
| DALI | | | | | | |
| Xitanium 17W 0.12-0.4A 54V TD 230V | 1 | | 1 | | | 929000684703 |
| Xitanium 35W 0.08-0.35A 150V TD 230V | 2-4 | 1-2 | 2-4 | 1-2 | 3-5 | 929000993306 |
| Xitanium 35W 0.08-0.35A 150V TD/16 230V | 2-4 | 1-2 | 2-4 | 1-2 | 3-5 | 929000993106 |
| Xitanium 36W 0.12-0.40A 110V TD 230V | 2-3 | 1 | 2-3 | 1 | 5 | 929000852203 |
| Xitanium 60W 0.08-0.35A 300V TD 230V | 4-9 | 2-4 | 4-9 | 2-4 | 5-10 | 929000993406 |
| Xitanium 60W 0.08-0.35A 300V TD/16 230V | 4-9 | 2-4 | 4-9 | 2-4 | 5-10 | 929000993206 |
| Xitanium 75W 0.12-0.40A 215V TD 230V | 4-6 | 2-3 | 4-7 | 2-3 | 6-7 | 929000852103 |
| Industry (Fixed output and DALI) | | | | | | |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 5-9 | 2-4 | 5-9 | 2-4 | | 929001506606 |
| Xitanium 110W 0.2-0.6A 215V TD 230V iXt | 5-6 | 2-3 | 6-7** | 3** | | 929000877306 |
| Xitanium 150W 0.2-0.7A 300V TD 230V iXt | 7-9 | 3-4 | 8-10** | 4-5** | | 929000893306 |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 7-9 | 3-4 | 8-10** | 4-5** | | 929001506706 |

Isolated LED Drivers (LV)

Product specifications

| Driver type/ Product type | # of LED Modules in series | | | | Order code |
|------------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------|
| | 1R Systems 1ft 1100lm HV | 1R Systems 2ft 2200lm HV | 3R Systems 1ft 1100lm HV | 3R Systems 1ft 650lm HV | |
| Fixed Output | | | | | |
| Xitanium 36W 0.3-1A 54V 230V | 2-4 | 1,2 | 2-5 | 4-7 | 929000958706 |
| Xitanium 75W 0.7-2A 54V 230V | 4-9 | 2-4 | 4-10 | 6-15 | 929000958806 |
| 1-10V | | | | | |
| Xitanium 36W 0.3-1A 54V 1-10V 230V | 2-4 | 1,2 | 2-5 | 4-7 | 929000854003 |
| Xitanium 75W 0.7-2A 54V 1-10V 230V | 4-9 | 2-4 | 4-10 | 6-15 | 929000863503 |
| DALI | | | | | |
| Xitanium 36W 0.3-1A 54V TD 230V | 2-4 | 1,2 | 2-5 | 4-7 | 9290 015 03606 |
| Xitanium 75W 0.7-2.0A 54V TD 230V | 4-9 | 2-4 | 4-10 | 6-15 | 9290 015 03706 |
| SR drivers | | | | | |
| Xitanium 36W 0.3-1A 54V SR 230V | | | 2-5 | 3-7 | 9290 015 16306 |
| Xitanium 75W 0.7-2A 54V SR 230V | | | 4-10 | 6-15 | 9290 015 05006 |

Note: The overview shows system configurations of the Fortimo LED Modules achieving nominal lumen output. Configurations marked* will give a slightly higher-than-typical flux, configurations marked** will give a slightly lower-than-typical flux (about 90% typical flux) with 200mA output of drivers. Please consult the online Easy Design-in Tool for all possible system configuration, available via philips.com/technology.

Fortimo LED Line HighFlux Gen3

Linear

Fortimo LED Line HighFlux Systems consist of Linear LED Modules with high lumens per foot, high energy efficiency and a high quality of light. Fortimo LED Line HighFlux Systems are designed to enable LED lighting at higher application heights where more light is needed, such as trunking, battens and high-bay applications in warehouses, factories or large-format retail stores. These smart systems come complete with the Xitanium iXt Drivers offering the flexibility to adjust current settings to differentiate on lumen output, efficacy and lifetime in extreme temperature conditions.

Features

- High Tc life range from -40°C to +90°C enables extreme ambient temperatures in the lighting application
- LED Module efficacy of up to 160 lm/W
- Long life-time: >50,000 hours
- Excellent color consistency of 3 SDCM
- Zhaga compliant

Benefits

- Enabling luminaires for high and rough application heights
- Excellent thermal performance
- High product performance
- Easy design-in
- Flexible specification due to smart Xitanium Drivers with Five year system warranty

Applications

- Warehouses
- Factories
- Big retail stores
- Cold storage



Fortimo LED Line HighFlux Gen3

Product specifications

| Product type | Light output* | | Power consumption | Module *efficacy* | | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | LED Row | Order code |
|----------------------------------------|---------------|------|-------------------|-------------------|------|-------------------|-----------------------|---------|-------|--------------|---------|------------|
| | lm | W | | lm/W | SDCM | | | | | | | |
| Fortimo LED Line 1ft 2000lm 830 1R HV3 | 1902 | 12 | 159 | 3000 | 80 | 90 | HV | 50000 | 1 | 929001541006 | | |
| Fortimo LED Line 1ft 2000lm 840 1R HV3 | 2000 | 12 | 167 | 4000 | 80 | 90 | HV | 50000 | 1 | 929001541106 | | |
| Fortimo LED Line 1ft 2000lm 850 1R HV3 | 2020 | 12 | 169 | 5000 | 80 | 90 | HV | 50000 | 1 | 929001541206 | | |
| Fortimo LED Line 1ft 2000lm 865 1R HV3 | 2000 | 12 | 167 | 6500 | 80 | 90 | HV | 50000 | 1 | 929001541306 | | |
| Fortimo LED Line 2ft 4000lm 830 1R HV3 | 3804 | 24 | 159 | 3000 | 80 | 90 | HV | 50000 | 1 | 929001541406 | | |
| Fortimo LED Line 2ft 4000lm 835 1R HV3 | 3922 | 24 | 164 | 3500 | 80 | 90 | HV | 50000 | 1 | 929001541506 | | |
| Fortimo LED Line 2ft 4000lm 840 1R HV3 | 4000 | 24 | 167 | 4000 | 80 | 90 | HV | 50000 | 1 | 929001541606 | | |
| Fortimo LED Line 2ft 4000lm 850 1R HV3 | 4040 | 24 | 169 | 5000 | 80 | 90 | HV | 50000 | 1 | 929001541706 | | |
| Fortimo LED Line 2ft 4000lm 865 1R HV3 | 2000 | 24 | 167 | 6500 | 80 | 90 | HV | 50000 | 1 | 929001541806 | | |
| Fortimo LED Line 1ft 2000lm 830 3R HV3 | 1901 | 11.2 | 169 | 3000 | 80 | 90 | HV | 50000 | 3 | 929001541906 | | |
| Fortimo LED Line 1ft 2000lm 840 3R HV3 | 2000 | 11.2 | 178 | 4000 | 80 | 90 | HV | 50000 | 3 | 929001542006 | | |
| Fortimo LED Line 1ft 2000lm 850 3R HV3 | 2019 | 11.2 | 180 | 5000 | 80 | 90 | HV | 50000 | 3 | 929001542106 | | |
| Fortimo LED Line 1ft 2000lm 865 3R HV3 | 2000 | 11.2 | 178 | 6500 | 80 | 90 | HV | 50000 | 3 | 929001542206 | | |



Non-isolated LED Drivers (HV)

Product specifications

| Driver type/Product type | # of LED Modules in series | | Order code |
|-----------------------------------------|-----------------------------|-----------------------------|--------------|
| | 1R Systems 1ft 2000lm HV | 1R Systems 2ft 4000lm HV | |
| Fixed Output | | | |
| Xitanium 35W 0.08-0.35A 150V S 230V | 2-3* | 1* | 929001506406 |
| Xitanium 36W 0.12-0.4A 115V 230V | 2-3 | 1 | 929000950606 |
| Xitanium 60W 0.08-0.35A 220V S 230V | 2-5* | 1-2* | 929001509106 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 4-5* | 2* | 929001506506 |
| Xitanium 75W 0.12-0.4A 220V 230V | 4-6 | 2-3 | 929000950706 |
| 1-10V | | | |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | 1 | N/A | 929000684803 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 2-3 | 1 | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 4-6 | 2-3 | 929000953706 |
| DALI | | | |
| Xitanium 17W 0.12-0.4A 54V TD 230V | 1 | N/A | 929000684703 |
| Xitanium 35W 0.08-0.35A 150V TD 230V | 2-3* | 1* | 929000993306 |
| Xitanium 35W 0.08-0.35A 150V TD/16 230V | 2-3* | 1* | 929000993106 |
| Xitanium 36W 0.12-0.40A 110V TD 230V | 2-3 | 1 | 929000852203 |
| Xitanium 60W 0.08-0.35A 300V TD 230V | 4-5* | 2* | 929000993406 |
| Xitanium 60W 0.08-0.35A 300V TD/16 230V | 4-5* | 2* | 929000993206 |
| Xitanium 75W 0.12-0.40A 215V TD 230V | 4-6 | 2-3 | 929000852103 |
| Industry (Fixed output and DALI) | | | |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 4-8 | 2-4 | 929001506606 |
| Xitanium 110W 0.2-0.6A 215V TD 230V iXt | 4-7 | 2-3 | 929000877306 |
| Xitanium 150W 0.2-0.7A 300V TD 230V iXt | 5-9 | 2-4 | 929000893306 |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 4-9 | 2-4 | 929001506706 |

Note: The overview shows system configurations of the Fortimo LED Modules achieving nominal lumen output. Configurations marked* will give a slightly higher-than-typical flux, configurations marked** will give a slightly lower-than-typical flux (about 90% typical flux) with 350mA output of drivers. Please consult the online Easy Design-In Tool for all possible system configuration, available via philips.com/technology.

Fortimo LED Strip Gen4 – 0.5ft, 1ft, 2ft

Linear

Design is a major differentiator for you as a luminaire designer/manufacturer. But you cannot afford to compromise on the quality of light or to accept less than the best in terms of energy efficiency. This fourth generation of LED Strip makes sure you don't have to. Fortimo LED Strip allows you to design high-performance, slim linear LED luminaires without having to compromise on design freedom, quality of light, or total cost of ownership. The systems are ideal for use in luminaires for direct lighting in offices, banks, schools, public buildings, supermarkets and any applications where predominantly fluorescent lighting is used.

Features

- State-of-the-art LED Module efficacy of up to 180 lm/W
- Long life-time: >50,000 hours
- High color rendering (CRI >80 and >90)
- Excellent color consistency of 3 SDCM
- Choice of color temperatures (3000K, 4000K, 5000K and 6500K)
- Three lumen packages: 650lm, 1100lm, 2000lm per foot
- Small LED Module width of only 20mm
- Enable both front and back-side connectors in 0.5ft and 2ft Module

Benefits

- Tunable lumen output, efficacy and lifetime
- Wide temperature (Tc) range from -40 °C to +95 °C
- Push-in connectors enabling automated wiring
- Five year system warranty

Applications

- Office
- School
- Bank
- Public buildings
- Supermarkets
- Industry



Fortimo LED Strip Gen4

Product specifications

| Product type | Light output* | Power consumption* | Module efficacy* | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Connector position | Order code |
|------------------------------------------|---------------|--------------------|------------------|-------------------|-----------------------|---------|-------|----------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours | | 12NC |
| Fortimo LED Strip 0.5ft 550lm 830 FC HV4 | 522 | 3.1 | 169 | 3000 | 80 | 70 | HV | 50000 | Front | 929001523406 |
| Fortimo LED Strip 0.5ft 550lm 840 FC HV4 | 550 | 3.1 | 178 | 4000 | 80 | 70 | HV | 50000 | Front | 929001523506 |
| Fortimo LED Strip 0.5ft 550lm 850 FC HV4 | 555 | 3.1 | 180 | 5000 | 80 | 70 | HV | 50000 | Front | 929001523606 |
| Fortimo LED Strip 0.5ft 550lm 930 FC HV4 | 522 | 3.9 | 134 | 3000 | 90 | 70 | HV | 50000 | Front | 929001523706 |
| Fortimo LED Strip 0.5ft 550lm 940 FC HV4 | 550 | 3.9 | 141 | 4000 | 90 | 70 | HV | 50000 | Front | 929001523806 |
| Fortimo LED Strip 0.5ft 550lm 830 FC LV4 | 522 | 3.1 | 169 | 3000 | 80 | 70 | LV | 50000 | Front | 929001523906 |
| Fortimo LED Strip 0.5ft 550lm 840 FC LV4 | 550 | 3.1 | 178 | 4000 | 80 | 70 | LV | 50000 | Front | 929001524006 |
| Fortimo LED Strip 0.5ft 550lm 850 FC LV4 | 555 | 3.1 | 180 | 5000 | 80 | 70 | LV | 50000 | Front | 929001524106 |
| Fortimo LED Strip 0.5ft 550lm 930 FC LV4 | 522 | 3.9 | 134 | 3000 | 90 | 70 | LV | 50000 | Front | 929001524206 |
| Fortimo LED Strip 0.5ft 550lm 940 FC LV4 | 550 | 3.9 | 141 | 4000 | 90 | 70 | LV | 50000 | Front | 929001524306 |
| Fortimo LED Strip 0.5ft 550lm 840 BC HV4 | 550 | 3.1 | 178 | 4000 | 80 | 70 | HV | 50000 | Back | 929001527606 |
| Fortimo LED Strip 0.5ft 550lm 840 BC LV4 | 550 | 3.1 | 178 | 4000 | 80 | 70 | HV | 50000 | Back | 929001527706 |
| Fortimo LED Strip 1ft 650lm 830 FC HV4 | 617 | 3.8 | 164 | 3000 | 80 | 70 | HV | 50000 | Front | 929001524406 |
| Fortimo LED Strip 1ft 650lm 840 FC HV4 | 650 | 3.8 | 173 | 4000 | 80 | 70 | HV | 50000 | Front | 929001524506 |
| Fortimo LED Strip 1ft 650lm 830 FC LV4 | 617 | 3.8 | 164 | 3000 | 80 | 70 | LV | 50000 | Front | 929001524606 |
| Fortimo LED Strip 1ft 650lm 840 FC LV4 | 650 | 3.8 | 173 | 4000 | 80 | 70 | LV | 50000 | Front | 929001524706 |
| Fortimo LED Strip 1ft 1100lm 830 FC HV4 | 1044 | 6.2 | 169 | 3000 | 80 | 70 | HV | 50000 | Front | 929001524806 |
| Fortimo LED Strip 1ft 1100lm 840 FC HV4 | 1100 | 6.2 | 178 | 4000 | 80 | 70 | HV | 50000 | Front | 929001524906 |
| Fortimo LED Strip 1ft 1100lm 850 FC HV4 | 1110 | 6.2 | 180 | 5000 | 80 | 70 | HV | 50000 | Front | 929001525006 |
| Fortimo LED Strip 1ft 1100lm 865 FC HV4 | 1100 | 6.2 | 178 | 6500 | 80 | 70 | HV | 50000 | Front | 929001525106 |
| Fortimo LED Strip 1ft 1100lm 930 FC HV4 | 1045 | 7.8 | 134 | 3000 | 90 | 70 | HV | 50000 | Front | 929001525206 |
| Fortimo LED Strip 1ft 1100lm 940 FC HV4 | 1100 | 7.8 | 141 | 4000 | 90 | 70 | HV | 50000 | Front | 929001525306 |
| Fortimo LED Strip 1ft 1100lm 830 FC LV4 | 1044 | 6.2 | 169 | 3000 | 80 | 70 | LV | 50000 | Front | 929001525406 |
| Fortimo LED Strip 1ft 1100lm 840 FC LV4 | 1100 | 6.2 | 178 | 4000 | 80 | 70 | LV | 50000 | Front | 929001525506 |
| Fortimo LED Strip 1ft 1100lm 850 FC LV4 | 1110 | 6.2 | 180 | 5000 | 80 | 70 | LV | 50000 | Front | 929001525606 |
| Fortimo LED Strip 1ft 1100lm 865 FC LV4 | 1100 | 6.2 | 178 | 6500 | 80 | 70 | LV | 50000 | Front | 929001525706 |
| Fortimo LED Strip 1ft 1100lm 930 FC LV4 | 1045 | 7.8 | 134 | 3000 | 90 | 70 | LV | 50000 | Front | 929001525806 |
| Fortimo LED Strip 1ft 1100lm 940 FC LV4 | 1100 | 7.8 | 141 | 4000 | 90 | 70 | LV | 50000 | Front | 929001525906 |

Product specifications

| Product type | Light output* | Power consumption* | Module efficacy* | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Connector position | Order code |
|-----------------------------------------|---------------|--------------------|------------------|-------------------|-----------------------|---------|-------|----------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours | | 12NC |
| Fortimo LED Strip 2ft 1300lm 830 FC HV4 | 1234 | 7.5 | 164 | 3000 | 80 | 70 | HV | 50000 | Front | 929001526006 |
| Fortimo LED Strip 2ft 1300lm 840 FC HV4 | 1300 | 7.5 | 173 | 4000 | 80 | 70 | HV | 50000 | Front | 929001526106 |
| Fortimo LED Strip 2ft 1300lm 830 FC LV4 | 1234 | 7.5 | 164 | 3000 | 80 | 70 | LV | 50000 | Front | 929001526206 |
| Fortimo LED Strip 2ft 1300lm 840 FC LV4 | 1300 | 7.5 | 173 | 4000 | 80 | 70 | LV | 50000 | Front | 929001526306 |
| Fortimo LED Strip 2ft 2200lm 830 FC HV4 | 2088 | 12.4 | 169 | 3000 | 80 | 70 | HV | 50000 | Front | 929001526406 |
| Fortimo LED Strip 2ft 2200lm 840 FC HV4 | 2200 | 12.4 | 178 | 4000 | 80 | 70 | HV | 50000 | Front | 929001526506 |
| Fortimo LED Strip 2ft 2200lm 850 FC HV4 | 2200 | 12.4 | 180 | 5000 | 80 | 70 | HV | 50000 | Front | 929001526606 |
| Fortimo LED Strip 2ft 2200lm 865 FC HV4 | 2200 | 12.4 | 178 | 6500 | 80 | 70 | HV | 50000 | Front | 929001526706 |
| Fortimo LED Strip 2ft 2200lm 930 FC HV4 | 2090 | 15.5 | 134 | 3000 | 90 | 70 | HV | 50000 | Front | 929001526806 |
| Fortimo LED Strip 2ft 2200lm 940 FC HV4 | 2200 | 15.5 | 141 | 4000 | 90 | 70 | HV | 50000 | Front | 929001526906 |
| Fortimo LED Strip 2ft 2200lm 830 FC LV4 | 2088 | 12.4 | 169 | 3000 | 80 | 70 | LV | 50000 | Front | 929001527006 |
| Fortimo LED Strip 2ft 2200lm 840 FC LV4 | 2200 | 12.4 | 178 | 4000 | 80 | 70 | LV | 50000 | Front | 929001527106 |
| Fortimo LED Strip 2ft 2200lm 850 FC LV4 | 2200 | 12.4 | 180 | 5000 | 80 | 70 | LV | 50000 | Front | 929001527206 |
| Fortimo LED Strip 2ft 2200lm 865 FC LV4 | 2200 | 12.4 | 178 | 6500 | 80 | 70 | LV | 50000 | Front | 929001527306 |
| Fortimo LED Strip 2ft 2200lm 930 FC LV4 | 2090 | 15.5 | 134 | 3000 | 90 | 70 | LV | 50000 | Front | 929001527406 |
| Fortimo LED Strip 2ft 2200lm 940 FC LV4 | 2200 | 15.5 | 141 | 4000 | 90 | 70 | LV | 50000 | Front | 929001527506 |
| Fortimo LED Strip 2ft 2200lm 840 BC HV4 | 2200 | 12.4 | 178 | 4000 | 80 | 70 | HV | 50000 | Back | 929001527806 |
| Fortimo LED Strip 2ft 2200lm 840 BC LV4 | 2200 | 12.4 | 178 | 4000 | 80 | 70 | HV | 50000 | Back | 929001527906 |
| Fortimo LED Strip 1ft 2000lm 830 FC HV4 | 2000 | 11.7 | 163 | 3000 | 80 | 90 | HV | 50000 | Front | 929001558706 |
| Fortimo LED Strip 1ft 2000lm 840 FC HV4 | 2000 | 11.7 | 172 | 4000 | 80 | 90 | HV | 50000 | Front | 929001558906 |
| Fortimo LED Strip 1ft 2000lm 850 FC HV4 | 2000 | 11.7 | 172 | 5000 | 80 | 90 | HV | 50000 | Front | 929001559006 |
| Fortimo LED Strip 1ft 2000lm 865 FC HV4 | 2000 | 11.7 | 172 | 6500 | 80 | 90 | HV | 50000 | Front | 929001559106 |
| Fortimo LED Strip 2ft 4000lm 830 FC HV4 | 4000 | 23.3 | 163 | 3000 | 80 | 90 | HV | 50000 | Front | 929001559206 |
| Fortimo LED Strip 2ft 4000lm 840 FC HV4 | 4000 | 23.3 | 172 | 4000 | 80 | 90 | HV | 50000 | Front | 929001559406 |
| Fortimo LED Strip 2ft 4000lm 850 FC HV4 | 4000 | 23.3 | 172 | 5000 | 80 | 90 | HV | 50000 | Front | 929001559506 |
| Fortimo LED Strip 2ft 4000lm 865 FC HV4 | 4000 | 23.3 | 172 | 6500 | 80 | 90 | HV | 50000 | Front | 929001559606 |

* Light output, power consumption and module efficacy are measured at Tc nom 45 °C.

Non-isolated LED Drivers (HV)

Product specifications

| Driver type/Product type | 0.5ft 550lm CRI80 | 0.5ft 550lm CRI90 | 1ft 650lm CRI80 | 1ft 1100lm CRI80 | 1ft 1100lm CRI90 | 2ft 1300lm CRI80 | 2ft 2200lm CRI80 | 2ft 2200lm CRI90 | 1ft 2000lm CRI80 | 2ft 4000lm CRI80 | Order code |
|------------------------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------|
| 12NC | | | | | | | | | | | |
| Fixed output | | | | | | | | | | | |
| Xitanium 36W 0.12-0.4A 115V 230V | 5-9 | 5-8 | 5-8 | 3-4 | 3-4 | 3-4 | 2 | 2 | 2-3 | 1 | 929000950606 |
| Xitanium 75W 0.12-0.4A 220V 230V | 10-18 | 10-18 | 10-17 | 5-9 | 5-9 | 5-8 | 3-4 | 3-4 | 3-6 | 2-3 | 929000950706 |
| Xitanium 35W 0.08-0.35A 150V S 230V | 5-10 | 5-8 | 5-8 | 3-5 | 3-4 | 3-4 | 2 | 2 | 2-3 | 1 | 929001506406 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 10-17 | 10-14 | 10-14 | 5-8 | 5-7 | 5-7 | 3-4 | 3 | 3-5 | 2 | 929001506506 |
| Xitanium 60W 0.08-0.35A 220V S 230V | 6-17 | 5-14 | 5-14 | 3-8 | 3-7 | 3-7 | 2-4 | 2-3 | 2-5 | 1-2 | 929001509106 |
| 1-10V | | | | | | | | | | | |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | 3-4 | 3-4 | 3-4 | 2 | 2 | 2 | 1 | 1 | 1 | N/A | 929000684803 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 5-9 | 5-8 | 5-8 | 3-4 | 3-4 | 3-4 | 2 | 2 | 2-3 | 1 | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 10-18 | 12-18 | 10-17 | 5-9 | 6-9 | 5-8 | 3-4 | 3-4 | 3-6 | 2-3 | 929000953706 |
| DALI | | | | | | | | | | | |
| Xitanium 17W 0.12-0.4A 54V TD 230V | 3-4 | 3-4 | 3-4 | 2 | 2 | 2 | 1 | 1 | 1 | N/A | 929000684703 |
| Xitanium 36W 0.12-0.4A 110V TD 230V | 5-9 | 5-8 | 5-8 | 3-4 | 3-4 | 3-4 | 2 | 2 | 2-3 | 1 | 929000852203 |
| Xitanium 75W 0.12-0.4A 215V TD 230V | 10-17 | 10-17 | 10-17 | 5-8 | 5-8 | 5-8 | 3-4 | 3-4 | 3-6 | 2-3 | 929000852103 |
| Xitanium 35W 0.08-0.35A 150V TD/16 230V | 5-10 | 5-8 | 5-8 | 3-5 | 3-4 | 3-4 | 2 | 2 | 2-3 | 1 | 929000993106 |
| Xitanium 60W 0.08-0.35A 300V TD/16 230V | 10-17 | 10-14 | 10-14 | 5-8 | 5-7 | 5-7 | 3-4 | 3 | 2-5 | 1-2 | 929000993206 |
| Fixed output for industry | | | | | | | | | | | |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 10-24 | 10-24 | 10-24 | 5-12 | 5-12 | 5-12 | 3-6 | 3-6 | 3-8 | 2-4 | 929001506606 |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 15-24 | 12-24 | 13-24 | 8-12 | 6-12 | 7-12 | 4-6 | 3-6 | 4-12 | 2-6 | 929001506706 |
| DALI for industry | | | | | | | | | | | |
| Xitanium 110W 0.2-0.6A 215V TD 230V iXt | 11-17 | 10-17 | 10-17 | 6-8 | 5-8 | 5-8 | 3-4 | 3-4 | 3-6 | 2-3 | 929000877306 |
| Xitanium 150W 0.2-0.7A 300V TD 230V iXt | 15-24 | 15-24 | 15-24 | 8-12 | 8-12 | 8-12 | 4-6 | 4-6 | 5-12 | 3-6 | 929000893306 |
| Xitanium 100W 0.15-0.5A 300V iXt TD 230V | 10-24 | 10-24 | 10-24 | 5-12 | 5-12 | 5-12 | 3-6 | 3-6 | 3-8 | 2-4 | 929001516406 |
| Xitanium 150W 0.2-0.7A 300V iXt TD 230V | 15-24 | 12-24 | 13-24 | 8-12 | 6-12 | 7-12 | 4-6 | 3-6 | 4-12 | 2-6 | 929001516506 |
| Single Output Current | | | | | | | | | | | |
| Xitanium 40W 0.28A 142V 230V | N/A | N/A | 11 | N/A | N/A | 6 | N/A | N/A | N/A | N/A | 929000805103 |
| CertaDrive 30W 350mA 82V 230V | 6* | 6* | N/A | 3* | 3* | N/A | N/A | N/A | N/A | N/A | 929000934806 |
| CertaDrive 40W 240mA 160V 230V | 12-13** | 11-13** | 11-12** | 6** | 6** | 6** | 3** | 3** | N/A | N/A | 929000934906 |
| CertaDrive 30W 330mA 82V 230V | 6-7* | 6** | 6 | 3* | 3** | 3 | N/A | N/A | N/A | N/A | 929000974806 |
| CertaDrive 40W 360mA 110V 230V | 8-9* | 8-9* | 8-9* | 4* | 4* | 4* | 2* | 2* | N/A | N/A | 929000974906 |
| CertaDrive 60W 360mA 170V 230V | 12-14* | 12-13* | 12-13* | 6-7* | 6* | 6* | 3* | 3* | N/A | N/A | 929000975006 |

Isolated LED Drivers (LV)

Product specifications

| Driver type/Product type | 0.5ft 550lm CRI80 | 0.5ft 550lm CRI90 | 1ft 650lm CRI80 | 1ft 1100lm CRI80 | 1ft 1100lm CRI90 | 2ft 1300lm CRI80 | 2ft 2200lm CRI80 | 2ft 2200lm CRI90 | Order code |
|------------------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------|
| 12NC | | | | | | | | | |
| Fixed output | | | | | | | | | |
| Xitanium 36W 0.3-1A 54V 230V | 4-10 | 4-8 | 4-9 | 2-5 | 2-4 | 2-4 | 1-2 | 1-2 | 929000958706 |
| Xitanium 75W 0.7-2A 54V 230V | 8-21 | 7-17 | 7-18 | 4-10 | 4-8 | 4-9 | 2-5 | 1-4 | 929000958806 |
| 1-10V | | | | | | | | | |
| Xitanium 36W 0.3-1A 54V 1-10V 230V | 4-10 | 4-8 | 4-9 | 2-5 | 2-4 | 2-4 | 1-2 | 1-2 | 929000854003 |
| Xitanium 75W 0.7-2A 54V 1-10V 230V | 8-21 | 7-17 | 7-18 | 4-10 | 3-8 | 4-9 | 2-5 | 1-4 | 929000863503 |
| DALI | | | | | | | | | |
| Xitanium 36W 0.3-1A 54V TD 230V | 4-10 | 3-8 | 3-8 | 2-5 | 2-4 | 2-4 | 1-2 | 1-2 | 929001503606 |
| Xitanium 75W 0.7-2.0A 54V TD 230V | 8-21 | 7-17 | 7-18 | 4-10 | 4-8 | 4-9 | 2-5 | 2-4 | 929001503706 |

Isolated LED Drivers (LV)

Product specifications

| Driver type/Product type | 0.5ft 550lm CRI80 | 0.5ft 550lm CRI90 | 1ft 650lm CRI80 | 1ft 1100lm CRI80 | 1ft 1100lm CRI90 | 2ft 1300lm CRI80 | 2ft 2200lm CRI80 | 2ft 2200lm CRI90 | Order code |
|---------------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------|
| 12NC | | | | | | | | | |
| Single Output Current | | | | | | | | | |
| CertaDrive 26W 0.6A 44V 230V | 7** | 5*-6** | 5*-6** | N/A | 3** | 3** | N/A | N/A | 929001411380 |
| CertaDrive 27W 0.5A 54V 230V | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 929001411280 |
| CertaDrive 30W 0.7A 44V 230V | 8** | 6* | 6*-7** | 4** | 3* | 3* | 2** | N/A | 929001411180 |
| CertaDrive 38W 0.7A 54V 230V | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 929001411080 |
| CertaDrive 40W 0.9A 44V 230V | 10** | 8** | 8*-9** | 5** | 4** | 4* | N/A | 2** | 929001410980 |
| CertaDrive 44W 1.05A 42V 230V | 10*-12** | 8*-10** | 9*-10** | 5*-6** | 4**-5* | 5** | 3** | 2* | 929001410880 |
| SR | | | | | | | | | |
| Xitanium 36W 0.3-1A 54V SR 230V | 4-10 | 3-8 | 3-8 | 2-5 | 2-4 | 2-4 | 1-2 | 1-2 | 929001516306 |
| Xitanium 75W 0.7-2A 54V SR 230V | 8-21 | 7-17 | 7-18 | 4-10 | 4-8 | 4-9 | 2-5 | 1-4 | 929001505006 |

Note: The overview shows system configurations of the Fortimo LED Modules achieving nominal lumen output. Configurations marked* will give a slightly higher-than-typical flux, configurations marked** will give a slightly lower-than-typical flux. Please consult the online Easy Design-in Tool for all possible system configuration, available via philips.com/technology.

Fortimo LED Strip Gen4 - 4ft, 5ft

Linear

Design is a major differentiator for you as a luminaire designer/manufacturer. But you cannot afford to compromise on the quality of light or to accept less than the best in terms of energy efficiency. This fourth generation of LED Strip makes sure you don't have to. Fortimo LED Strip allows you to design high-performance, slim linear LED luminaires without having to compromise on design freedom, quality of light, or total cost of ownership. The systems are ideal for use in luminaires for direct lighting in offices, banks, schools, public buildings, supermarkets and any applications where predominantly fluorescent lighting is used.

Features

- State-of-the-art LED Module efficacy of up to 180 lm/W
- Long life-time: >50,000 hours
- High color rendering (CRI >80 and >90)
- Excellent color consistency of 3 SDCM
- Choice of color temperatures (3000K, 5000K and 6500K)
- Two lumen packages: 650 lm and 1100 lm per foot
- Small LED Module width of only 20mm
- Enable both front and back-side connectors

Benefits

- Tunable lumen output, efficacy and lifetime
- Wide temperature (Tc) range from -40 °C to +80 °C
- Push-in connectors enabling automated wiring
- Five year system warranty

Applications

- Office
- School
- Bank
- Public building
- Supermarket
- Industry



Fortimo LED Strip Gen4

Product specifications

| Product type | Light output* | Power consumption* | Module efficacy* | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Connector position | Order code |
|------------------------------------------|---------------|--------------------|------------------|-------------------|-----------------------|---------|-------|----------|--------------------|--------------|
| | lm | W | lm/W | K | Ra | °C | Hours | 12NC | | |
| Fortimo LED Strip 1150mm 2600lm 830 HV4F | 2469 | 15 | 165 | 3000 | 80 | 70 | HV | 50000 | Front | 929001547406 |
| Fortimo LED Strip 1150mm 2600lm 840 HV4F | 2600 | 15 | 174 | 4000 | 80 | 70 | HV | 50000 | Front | 929001547506 |
| Fortimo LED Strip 1150mm 2600lm 865 HV4F | 2600 | 15 | 174 | 6500 | 80 | 70 | HV | 50000 | Front | 929001547606 |
| Fortimo LED Strip 1150mm 2600lm 830 LV4F | 2469 | 15 | 165 | 3000 | 80 | 70 | LV | 50000 | Front | 929001547706 |
| Fortimo LED Strip 1150mm 2600lm 840 LV4F | 2600 | 15 | 174 | 4000 | 80 | 70 | LV | 50000 | Front | 929001547806 |
| Fortimo LED Strip 1150mm 2600lm 865 LV4F | 2600 | 15 | 174 | 6500 | 90 | 70 | LV | 50000 | Front | 929001547906 |
| Fortimo LED Strip 1150mm 2600lm 830 HV4B | 2469 | 15 | 165 | 3000 | 90 | 70 | HV | 50000 | Back | 929001549806 |
| Fortimo LED Strip 1150mm 2600lm 840 HV4B | 2600 | 15 | 174 | 4000 | 80 | 70 | HV | 50000 | Back | 929001549906 |
| Fortimo LED Strip 1150mm 2600lm 865 HV4B | 2600 | 15 | 174 | 6500 | 80 | 70 | HV | 50000 | Back | 929001550006 |
| Fortimo LED Strip 1150mm 2600lm 830 LV4B | 2469 | 15 | 165 | 3000 | 80 | 70 | LV | 50000 | Back | 929001550106 |
| Fortimo LED Strip 1150mm 2600lm 840 LV4B | 2600 | 15 | 174 | 4000 | 80 | 70 | LV | 50000 | Back | 929001550206 |
| Fortimo LED Strip 1150mm 2600lm 865 LV4B | 2600 | 15 | 174 | 6500 | 80 | 70 | LV | 50000 | Back | 929001550306 |
| Fortimo LED Strip 1150mm 4400lm 830 HV4F | 4177 | 24.7 | 169 | 3000 | 90 | 70 | HV | 50000 | Front | 929001548006 |
| Fortimo LED Strip 1150mm 4400lm 840 HV4F | 4400 | 24.7 | 178 | 4000 | 80 | 70 | HV | 50000 | Front | 929001548106 |
| Fortimo LED Strip 1150mm 4400lm 850 HV4F | 4440 | 24.7 | 180 | 5000 | 90 | 70 | HV | 50000 | Front | 929001548206 |
| Fortimo LED Strip 1150mm 4400lm 865 HV4F | 4400 | 24.7 | 178 | 6500 | 80 | 70 | HV | 50000 | Front | 929001548306 |
| Fortimo LED Strip 1150mm 4400lm 830 LV4F | 4177 | 24.7 | 169 | 3000 | 80 | 70 | LV | 50000 | Front | 929001548406 |
| Fortimo LED Strip 1150mm 4400lm 840 LV4F | 4400 | 24.7 | 178 | 4000 | 80 | 70 | LV | 50000 | Front | 929001548506 |
| Fortimo LED Strip 1150mm 4400lm 850 LV4F | 4400 | 24.7 | 180 | 5000 | 80 | 70 | LV | 50000 | Front | 929001548606 |
| Fortimo LED Strip 1150mm 4400lm 865 LV4F | 4400 | 24.7 | 178 | 6500 | 80 | 70 | LV | 50000 | Front | 929001548706 |
| Fortimo LED Strip 1150mm 4400lm 830 HV4B | 4177 | 24.7 | 169 | 3000 | 80 | 70 | HV | 50000 | Back | 929001550406 |
| Fortimo LED Strip 1150mm 4400lm 840 HV4B | 4400 | 24.7 | 178 | 4000 | 80 | 70 | HV | 50000 | Back | 929001550506 |
| Fortimo LED Strip 1150mm 4400lm 850 HV4B | 4440 | 24.7 | 180 | 5000 | 80 | 70 | HV | 50000 | Back | 929001550606 |
| Fortimo LED Strip 1150mm 4400lm 865 HV4B | 4400 | 24.7 | 178 | 6500 | 80 | 70 | HV | 50000 | Back | 929001550706 |
| Fortimo LED Strip 1150mm 4400lm 830 LV4B | 4177 | 24.7 | 169 | 3000 | 80 | 70 | LV | 50000 | Back | 929001550806 |
| Fortimo LED Strip 1150mm 4400lm 840 LV4B | 4400 | 24.7 | 178 | 4000 | 80 | 70 | LV | 50000 | Back | 929001550906 |
| Fortimo LED Strip 1150mm 4400lm 850 LV4B | 4400 | 24.7 | 180 | 5000 | 80 | 70 | LV | 50000 | Back | 929001551006 |
| Fortimo LED Strip 1150mm 4400lm 865 LV4B | 4400 | 24.7 | 178 | 6500 | 80 | 70 | LV | 50000 | Back | 929001551106 |
| Fortimo LED Strip 1450mm 3250lm 830 HV4F | 3086 | 18.7 | 165 | 3000 | 90 | 70 | HV | 50000 | Front | 929001548806 |



Product specifications

| Product type | Light output* | | Power consumption* | Module efficacy* | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Connector position | Order code |
|------------------------------------------|---------------|------|--------------------|------------------|-------------------|-----------------------|---------|-------|----------|--------------------|------------|
| | lm | W | lm/W | K | Ra | °C | Hours | 12NC | | | |
| Fortimo LED Strip 1450mm 3250lm 840 HV4F | 3250 | 18.7 | 174 | 4000 | 80 | 70 | HV | 50000 | Front | 929001548906 | |
| Fortimo LED Strip 1450mm 3250lm 830 LV4F | 3086 | 18.7 | 165 | 3000 | 90 | 70 | LV | 50000 | Front | 929001549006 | |
| Fortimo LED Strip 1450mm 3250lm 840 LV4F | 3250 | 18.7 | 174 | 4000 | 80 | 70 | LV | 50000 | Front | 929001549106 | |
| Fortimo LED Strip 1450mm 3250lm 830 HV4B | 3086 | 18.7 | 165 | 3000 | 80 | 70 | HV | 50000 | Back | 929001551206 | |
| Fortimo LED Strip 1450mm 3250lm 840 HV4B | 3250 | 18.7 | 174 | 4000 | 80 | 70 | HV | 50000 | Back | 929001551306 | |
| Fortimo LED Strip 1450mm 3250lm 830 LV4B | 3086 | 18.7 | 165 | 3000 | 80 | 70 | LV | 50000 | Back | 929001551406 | |
| Fortimo LED Strip 1450mm 3250lm 840 LV4B | 3250 | 18.7 | 174 | 4000 | 80 | 70 | LV | 50000 | Back | 929001551506 | |
| Fortimo LED Strip 1450mm 5500lm 830 HV4F | 5222 | 30.9 | 169 | 3000 | 80 | 70 | HV | 50000 | Front | 929001549206 | |
| Fortimo LED Strip 1450mm 5500lm 840 HV4F | 5500 | 30.9 | 178 | 4000 | 80 | 70 | HV | 50000 | Front | 929001549306 | |
| Fortimo LED Strip 1450mm 5500lm 850 HV4F | 5550 | 30.9 | 180 | 5000 | 80 | 70 | HV | 50000 | Front | 929001549406 | |
| Fortimo LED Strip 1450mm 5500lm 830 LV4F | 5222 | 30.9 | 169 | 5000 | 90 | 70 | LV | 50000 | Front | 929001549506 | |
| Fortimo LED Strip 1450mm 5500lm 840 LV4F | 5500 | 30.9 | 178 | 4000 | 80 | 70 | LV | 50000 | Front | 929001549606 | |
| Fortimo LED Strip 1450mm 5500lm 850 LV4F | 5550 | 30.9 | 180 | 5000 | 90 | 70 | LV | 50000 | Front | 929001549706 | |
| Fortimo LED Strip 1450mm 5500lm 830 HV4B | 5222 | 30.9 | 169 | 3000 | 80 | 70 | HV | 50000 | Back | 929001551606 | |
| Fortimo LED Strip 1450mm 5500lm 840 HV4B | 5500 | 30.9 | 178 | 4000 | 80 | 70 | HV | 50000 | Back | 929001551706 | |
| Fortimo LED Strip 1450mm 5500lm 850 HV4B | 5550 | 30.9 | 180 | 5000 | 80 | 70 | HV | 50000 | Back | 929001551806 | |
| Fortimo LED Strip 1450mm 5500lm 830 LV4B | 5222 | 30.9 | 169 | 3000 | 80 | 70 | LV | 50000 | Back | 929001551906 | |
| Fortimo LED Strip 1450mm 5500lm 840 LV4B | 5500 | 30.9 | 178 | 4000 | 80 | 70 | LV | 50000 | Back | 929001552006 | |
| Fortimo LED Strip 1450mm 5500lm 850 LV4B | 5550 | 30.9 | 180 | 5000 | 80 | 70 | LV | 50000 | Back | 929001552106 | |

Non-isolated LED Drivers (HV)

Product specifications

| Driver type/Product type | # of LED Modules in series | | | | Order code 12NC |
|------------------------------------------|----------------------------|---------------|---------------|---------------|--------------------|
| | 4ft 2600lm HV | 4ft 4400lm HV | 5ft 3250lm HV | 5ft 5500lm HV | |
| Fixed Output | | | | | |
| Xitanium 36W 0.12-0.4A 115V 230V | 2 | 1 | 1 | 1 | 929000950606 |
| Xitanium 75W 0.12-0.4A 220V 230V | 3-4 | 2 | 2-3 | 1 | 929000950706 |
| Xitanium 35W 0.08-0.35A 150V S 230V | 2 | 1 | 1 | 1 | 929001506406 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 3-4 | 2 | 2-3 | 1 | 929001506506 |
| Xitanium 60W 0.08-0.35A 220V S 230V | 2-4 | 1-2 | 1-3 | 1 | 929001509106 |
| 1-10V | | | | | |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | 1 | N/A | N/A | N/A | 929000684803 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 2 | 1 | 1 | 1 | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 3-4 | 2 | 2-3 | 1 | 929000953706 |
| DALI | | | | | |
| Xitanium 17W 0.12-0.4A 54V TD 230V | 1 | N/A | N/A | N/A | 929000684703 |
| Xitanium 36W 0.12-0.4A 110V TD 230V | 2 | 1 | 1 | N/A | 929000852203 |
| Xitanium 75W 0.12-0.4A 215V TD 230V | 3-4 | 2 | 2-3 | 1 | 929000852103 |
| Xitanium 35W 0.08-0.35A 150V TD/16 230V | 2 | 1 | 1 | 1 | 929000993106 |
| Xitanium 60W 0.08-0.35A 300V TD/16 230V | 3-4 | 2 | 2-3 | 1 | 929000993206 |
| Industry (Fixed output and DALI) | | | | | |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 3-6 | 2-3 | 2-5 | 1-2 | 929001506606 |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 3-6 | 2-3 | 3-5 | 2 | 929001506706 |
| Xitanium 100W 0.15-0.5A 300V iXt TD 230V | 3-6 | 2-3 | 2-5 | 1-2 | 929001516406 |
| Xitanium 150W 0.2-0.7A 300V iXt TD 230V | 3-6 | 2-3 | 3-5 | 2 | 929001516506 |
| Single Output Current | | | | | |
| Xitanium 40W 0.28A 142V 230V | 3 | N/A | N/A | N/A | 929000805103 |
| CertaDrive 30W 350mA 82V 230V | N/A | N/A | N/A | N/A | 929000934806 |
| CertaDrive 40W 240mA 160V 230V | 3 | N/A | N/A | N/A | 929000934906 |
| CertaDrive 30W 330mA 82V 230V | N/A | N/A | N/A | N/A | 929000974806 |
| CertaDrive 40W 360mA 110V 230V | 2 | 1 | 2 | 1 | 929000974906 |
| CertaDrive 60W 360mA 170V 230V | 3 | N/A | N/A | 1 | 929000975006 |

Isolated LED Drivers (LV)

Product specifications

| Driver type/Product type | # of LED Modules in series | | | | Order code 12NC |
|------------------------------------|----------------------------|---------------|---------------|---------------|--------------------|
| | 4ft 2600lm LV | 4ft 4400lm LV | 5ft 3250lm LV | 5ft 5500lm LV | |
| Fixed Output | | | | | |
| Xitanium 36W 0.3-1A 54V 230V | 1-2 | 1 | 1 | 1 | 9290 009 58706 |
| Xitanium 75W 0.7-2A 54V 230V | 2-4 | 1-2 | 2-3 | 1-2 | 9290 009 58806 |
| 1-10V | | | | | |
| Xitanium 36W 0.3-1A 54V 1-10V 230V | | 1 | | 1 | 9290 008 54003 |
| Xitanium 75W 0.7-2A 54V 1-10V 230V | 1-2 | 1-2 | 1 | 1-2 | 9290 008 63503 |
| DALI | | | | | |
| Xitanium 36W 0.3-1A 54V TD 230V | 1-2 | 1 | 1 | 1 | 9290 015 03606 |
| Xitanium 75W 0.7-2.0A 54V TD 230V | 2-4 | 1-2 | 2-3 | 1-2 | 9290 015 03706 |
| Single Output Current | | | | | |
| CertaDrive 26W 0.6A 44V 230V | 2-4 | N/A | 2-3 | N/A | 9290 014 11380 |
| CertaDrive 27W 0.5A 54V 230V | | N/A | | N/A | 9290 014 11280 |
| CertaDrive 30W 0.7A 44V 230V | 2 | 1 | N/A | N/A | 9290 014 11180 |
| CertaDrive 38W 0.7A 54V 230V | N/A | N/A | 1 | N/A | 9290 0141 1080 |
| CertaDrive 40W 0.9A 44V 230V | N/A | N/A | N/A | 1 | 9290 014 10980 |
| CertaDrive 44W 1.05A 42V 230V | N/A | N/A | N/A | N/A | 9290 014 10880 |
| SR | | | | | |
| Xitanium 36W 0.3-1A 54V SR 230V | N/A | 1 | N/A | 1 | 9290 015 16306 |
| Xitanium 75W 0.7-2A 54V SR 230V | 2 | 1-2 | N/A | 1-2 | 9290 015 05006 |

Fortimo LED Square Gen2

Linear

Fortimo LED Square Systems consist of white light LED Modules with square outer dimensions delivering high energy efficiency and high quality of homogeneous light. These smart systems are completed with the Xitanium Drivers offering the flexibility to adjust current settings to differentiate on lumen output, efficacy and lifetime. Fortimo LED Square Systems are ideal for office applications where the luminaires require very homogeneous exit surface window. Typical applications are recessed, surface mounted and suspended office luminaires.

Features

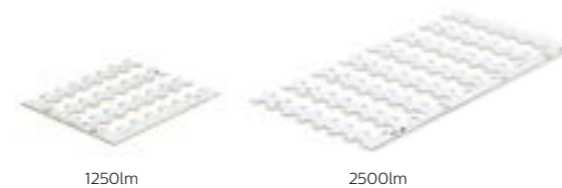
- Homogeneous exit windows for luminaires with depth of 4.5cm
- Module efficiency up to 176lm/W
- Quick mounting of modules with only 1 screw
- Tc up to 80 °C
- High quality of white light

Benefits

- Enabling homogeneous and shallow luminaires
- High energy efficiency
- Improved luminaire manufacturability
- Flexible system with Xitanium Drivers
- Fast and easy mounting with less cabling

Applications

- Ideal for office applications
- Recessed, surface mounted or suspended
- Ideal replacement in e.g. a 600x600mm



LED Square 2500lm HV/LV2

Product specifications

| Product type | Light output | Power consumption | Module efficacy | Color temperature | Color rendering index | Tc life | HV/LV | lifetime | Order code |
|--------------------------------------|--------------|-------------------|-----------------|-------------------|-----------------------|---------|-------|----------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours | 12NC |
| Fortimo LED Square 2500lm 830 HV/LV2 | 2350 | 14.4 | 163 | 3000 | 80 | 65 | HV/LV | 50000 | 929001531906 |
| Fortimo LED Square 2500lm 840 HV/LV2 | 2500 | 14.4 | 176 | 4000 | 80 | 65 | HV/LV | 50000 | 929001532006 |
| Fortimo LED Square 2500lm 865 HV/LV2 | 2500 | 14.4 | 176 | 6500 | 80 | 65 | HV/LV | 50000 | 929001532106 |

LED Square 1250lm HV/LV2

Product specifications

| Product type | Light output | Power consumption | Module efficacy | Color temperature | Color rendering index | Tc life | HV/LV | lifetime | Order code |
|--------------------------------------|--------------|-------------------|-----------------|-------------------|-----------------------|---------|-------|----------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours | 12NC |
| Fortimo LED Square 1250lm 830 HV/LV2 | 1170 | 7.2 | 163 | 3000 | 80 | 65 | HV/LV | 50000 | 929001531606 |
| Fortimo LED Square 1250lm 840 HV/LV2 | 1250 | 7.2 | 176 | 4000 | 80 | 65 | HV/LV | 50000 | 929001531706 |
| Fortimo LED Square 1250lm 865 HV/LV2 | 1250 | 7.2 | 176 | 6500 | 80 | 65 | HV/LV | 50000 | 929001531806 |

Non-isolated LED Drivers (HV)

Product specifications

| Driver type/Product type | Fortimo LED Square | Fortimo LED Square | Order code |
|-----------------------------------------|--------------------|--------------------|--------------|
| | 1250lm HV/LV2 | 2500lm HV/LV2 | 12NC |
| Fixed Output | | | |
| Xitanium 36W 0.12-0.4A 110V 230V | 2 | 2 | 929000814503 |
| Xitanium 36W 0.12-0.4A 115V 230V | 2 | 2 | 929000950606 |
| Xitanium 35W 0.08-0.35A 150V S 230V | 2-3 | 2 | 929001506406 |
| Xitanium 75W 0.12-0.4A 220V 230V | 3-4 | 3-4 | 929000950706 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 3-6 | 3-4 | 929001506506 |
| 1-10V | | | |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | 1 | 1 | 929000684803 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 2 | 2 | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 3-4 | 3-4 | 929000953706 |
| DALI | | | |
| Xitanium 17W/0.12-0.4A 54V TD 230V | 1 | 1 | 929000684703 |
| Xitanium 36W 0.12-0.40A 110V TD 230V | 2 | 2 | 929000852203 |
| Xitanium 35W 0.08-0.35A 150V TD/16 230V | 2-3 | 2 | 929000993106 |
| Xitanium 75W 0.12-0.40A 215V TD 230V | 3-4 | 3-4 | 929000852103 |
| Xitanium 60W 0.08-0.35A 300V TD/16 230V | 3-6 | 3-4 | 929000993206 |

Isolated LED Drivers (LV)

Product specifications

| Driver type/Product type | Fortimo LED Square | Fortimo LED Square | Order code |
|------------------------------------------|--------------------|--------------------|--------------|
| | 1250lm HV/LV2 | 2500lm HV/LV2 | 12NC |
| Fixed Output | | | |
| Xitanium 36W/0.3-1A 54V 230V | 2-5 | 1-2 | 929000958706 |
| Xitanium 75W/0.7-2A 54V 230V | 5-10 | 3-5 | 929000958806 |
| 1-10V | | | |
| Xitanium 36W/0.3-1A 54V 1-10V 230V | 2-5 | 1-2 | 929000854003 |
| Xitanium 75W/0.7-2A 54V 1-10V 230V | 5-10 | 3-5 | 929000863503 |
| DALI | | | |
| Xitanium 36W/0.3-1A 54V TD 230V | 2-5 | 1-2 | 929001503606 |
| Xitanium 75W 0.7-2.0A 54V TD 230V | 5-10 | 3-5 | 929001503706 |
| Industry (Fixed output and DALI) | | | |
| Xitanium 100W 0.15-0.5A 300V iXt TD 230V | 3-4 | 3-4 | 929001516406 |
| Xitanium 150W 0.2-0.7A 300V iXt TD 230V | 4-6 | 4-6 | 929001516506 |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 3-6 | 3-6 | 929001506606 |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 3-6 | 3-6 | 929001506706 |

CertaFlux LED Square

Linear

CertaFlux LED Square Systems are ideal for office applications where the luminaires require a very homogeneous exit surface window. Typical applications are recessed, surface mounted and suspended office luminaires. The rectangular square is designed to reduce material and assembly cost for the OEM, compared to design of many other brands. The design of the LED Module is backwards compatible and the LED pitch remains unchanged compared to the Fortimo LED Square 2500lm, enabling to have one luminaire design for both the high performance and cost oriented segment.

Features

- LED Module efficacy of up to 146 lm/W
- Long life-time: >50,000 hours
- High color rendering (CRI >80)
- Excellent color consistency of 4 SDCM
- Variation of color temperatures (3000K, 4000K and 6500K)

Benefits

- Wide operating temperature (Tc) range from -40°C to +80°C
- Push-in connectors enabling automated wiring
- Three year system warranty

Applications

- Ideal for office, home applications
- Recessed, surface mounted or suspended
- Ideal replacement in e.g. a 600x600mm, 500x500mm & below



2500lm

CertaFlux LED Square 2500lm HV/LV1 520x260mm

Product specifications

| Product type | Light output | Power consumption | Module efficacy | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Order code |
|----------------------------------------|--------------|-------------------|-----------------|-------------------|-----------------------|---------|-------|---------------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours @ I Nom | 12NC |
| CertaFlux LED Square 2500lm 830 HV/LV1 | 2360 | 17.2 | 137 | 3000 | 80 | 75 | Both | 50,000 | 929001517206 |
| CertaFlux LED Square 2500lm 840 HV/LV1 | 2500 | 17.2 | 146 | 4000 | 80 | 75 | Both | 50,000 | 929001517306 |
| CertaFlux LED Square 2500lm 865 HV/LV1 | 2500 | 17.2 | 146 | 6500 | 80 | 75 | Both | 50,000 | 929001517406 |

CertaFlux LED Square 2500lm LV1 KR 560x280mm

Product specifications

| Product type | Light output | Power consumption | Module efficacy | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Order code |
|----------------------------------------|--------------|-------------------|-----------------|-------------------|-----------------------|---------|-------|---------------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours @ I Nom | 12NC |
| CertaFlux LED Square 2500lm 840 LV1 KR | 2500 | 17.2 | 145 | 4000 | 80 | 75 | Both | 50,000 | 929001445406 |
| CertaFlux LED Square 2500lm 865 LV1 KR | 2500 | 17.2 | 145 | 6500 | 80 | 75 | Both | 50,000 | 929001445506 |

CertaFlux LED Square 2000lm LV1 KR 450x220mm

Product specifications

| Product type | Light output | Power consumption | Module efficacy | Color temperature | Color rendering index | Tc life | HV/LV | Lifetime | Order code |
|----------------------------------------|--------------|-------------------|-----------------|-------------------|-----------------------|---------|-------|---------------|--------------|
| | lm | W | lm/W | K | Ra | °C | | Hours @ I Nom | 12NC |
| CertaFlux LED Square 2000lm 840 LV1 KR | 2000 | 14.8 | 135 | 4000 | 80 | 75 | LV | 50,000 | 929001445606 |
| CertaFlux LED Square 2000lm 865 LV1 KR | 2000 | 14.8 | 135 | 6500 | 80 | 75 | LV | 50,000 | 929001445706 |



Non-isolated LED Drivers (HV)

Product specifications

| Driver type/Product type | LED Square 2500lm HV/LV1 | LED Square 2500lm LV1 KR | LED Square 2000lm LV1 KR | Order code 12 NC |
|------------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|
| DALI | | | | |
| Xitanium 150W 0.2-0.7A 300V iXt TD 230V | 4,5,6 | N/A | N/A | 929001516506 |
| Xitanium 100W 0.15-0.5A 300V iXt TD 230V | 3,4 | N/A | N/A | 929001516406 |
| Xitanium 75W 0.12-0.4A 215V TD 230V | 2,3,4 | N/A | N/A | 929000852103 |
| Xitanium 36W 0.12-0.4A 110V TD 230V | 1,2 | N/A | N/A | 929000852203 |
| 1-10V | | | | |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 2,3,4 | N/A | N/A | 929000953706 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 1,2 | N/A | N/A | 929000953606 |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | N/A | N/A | N/A | 929000684803 |
| Fixed output | | | | |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 3,4,5,6 | N/A | N/A | 929001506706 |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 3,4,5 | N/A | N/A | 929001506606 |
| Xitanium 75W 0.12-0.4A 220V 230V | 3,4 | N/A | N/A | 929000950706 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 3** | N/A | N/A | 929001506506 |
| Xitanium 60W 0.08-0.35A 220V S 230V | 2**, 3** | N/A | N/A | 929001509106 |
| Xitanium 36W 0.12-0.4A 115V 230V | 1,2 | N/A | N/A | 929000950606 |
| Xitanium 35W 0.08-0.35A 150V S 230V | 2** | N/A | N/A | 929001506406 |
| Peak Design | | | | |
| CertaDrive 40W 360mA 110V 230V | 1,2 | N/A | N/A | 929000974906 |
| CertaDrive 60W 360mA 110V 230V | 3 | N/A | N/A | 929000975006 |

Isolated LED Drivers (LV)

Product specifications

| Driver type/Product type | LED Square 2500lm HV/LV1 | LED Square 2500lm LV1 KR | LED Square 2000lm LV1 KR | Order code 12 NC |
|------------------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------|
| DALI | | | | |
| Xitanium 75W 0.7-2A 54V TD 230V | 2,3,4 | 2,3,4 | 2,3,4 | 929001503706 |
| Xitanium 36W 0.3-1A 54V TD 230V | 1,2 | 1,2 | 1,2 | 929001503606 |
| 1-10 V | | | | |
| Xitanium 75W 0.7-2A 54V 1-10V 230V | 2,3,4 | 2,3,4 | 2,3,4 | 929000863503 |
| Xitanium 36W 0.3-1A 54V 1-10V 230V | 1,2 | 1,2 | 1,2 | 929000854003 |
| Fixed output | | | | |
| Xitanium 75W 0.7-2A 54V 230V | 2,3,4 | 2,3,4 | 2,3,4,5 | 929000958806 |
| Xitanium 36W 0.3-1A 54V 230V | 1,2 | 2 | 2 | 929000958706 |
| Single Output Current | | | | |
| CertaDrive 26W 0.6A 44V 230V | 2** | 2** | 2** | 929001411380 |
| CertaDrive 27W 0.5A 54V 230V | 2** | 2** | 2** | 929001411280 |
| CertaDrive 38W 0.7A 54V 230V | 2** | 2** | 2** | 929001411080 |
| CertaDrive 40W 0.9A 44V 230V | 2* | 2* | 2** | 929001410980 |
| CertaDrive 44W 1.05A 42V 230V | 2* | 2* | 2* | 929001410880 |
| SR | | | | |
| Xitanium 36W 0.3-1A 54V SR 230V | 1,2 | 1,2 | 1,2 | 929001516306 |
| Xitanium 75W 0.7-2A 54V SR 230V | 2,3,4 | 2,3,4 | 2,3,4 | 929001505006 |

Note: The overview shows system configurations of the CertaFlux LED Modules achieving nominal lumen output. Configurations marked* will give a slightly higher-than-typical flux, configurations marked** will give a slightly lower-than-typical flux. Please consult the online Easy Design-in Tool for all possible system configuration, available via philips.com/technology.

CertaFlux LED Strip Gen3

Linear

While further improving the specifications of our Fortimo range, we focused on offering the most cost-efficient solution for linear LED lighting with our CertaFlux range. CertaFlux LED Strip systems offer good product performance and functionality, with good quality of light, meeting market needs for basic lighting. These cost effective systems are completed with the CertaDrive Linear LED Driver portfolio, specifically designed to match the CertaFlux LED Strips and focused on lumen packages for high volume applications.

Features

- 775, 1100, 1550lm, 2200lm lumen package for 1ft, 2ft modules
- Efficacy levels surpassing T5 and T8 systems
- High quality white light CRI 80
- 50,000 hours lifetime
- Efficacy up to 145 lm/W
- Color consistency improved at 3 SDCM

Benefits

- > 50% energy saving
- < 1.5 year payback period on LED investment
- Improved temperature (Tc) range from -40 °C to +80 °C
- Philips standard systems warranty applies

Applications

- Office: Reception, lobby, corridors, meeting rooms, open offices and pantry areas
- Retail: Aisles, warehouses and storage areas
- Industry: Warehouses, production areas and office areas



CertaFlux LED Strip Gen3

Product specifications

| Product type | Light output lm | Power consumption W | Module efficacy lm/W | Color temperature K | Color rendering index Ra | Tc life °C | HV/LV | Lifetime Hours @ 1 Nom | Order code 12NC |
|----------------------------------------|--------------------|------------------------|-------------------------|------------------------|-----------------------------|---------------|-------|---------------------------|--------------------|
| CertaFlux LED Strip 1ft 775lm 830 HV3 | 720 | 5.3 | 135 | 3000 | 80 | 80 | HV | 50000 | 929001436906 |
| CertaFlux LED Strip 1ft 775lm 840 HV3 | 775 | 5.3 | 145 | 4000 | 80 | 80 | HV | 50000 | 929001437006 |
| CertaFlux LED Strip 1ft 775lm 865 HV3 | 775 | 5.3 | 145 | 6500 | 80 | 80 | HV | 50000 | 929001437106 |
| CertaFlux LED Strip 1ft 1100lm 830 HV3 | 1020 | 7.9 | 129 | 3000 | 80 | 80 | HV | 50000 | 929001437206 |
| CertaFlux LED Strip 1ft 1100lm 840 HV3 | 1100 | 7.9 | 139 | 4000 | 80 | 80 | HV | 50000 | 929001437306 |
| CertaFlux LED Strip 1ft 1100lm 865 HV3 | 1100 | 7.9 | 139 | 6500 | 80 | 80 | HV | 50000 | 929001437406 |
| CertaFlux LED Strip 2ft 1550lm 830 HV3 | 1440 | 10.7 | 135 | 3000 | 80 | 80 | HV | 50000 | 929001437506 |
| CertaFlux LED Strip 2ft 1550lm 840 HV3 | 1550 | 10.7 | 145 | 4000 | 80 | 80 | HV | 50000 | 929001437606 |
| CertaFlux LED Strip 2ft 1550lm 865 HV3 | 1550 | 10.7 | 145 | 6500 | 80 | 80 | HV | 50000 | 929001437706 |
| CertaFlux LED Strip 2ft 2200lm 830 HV3 | 2040 | 15.8 | 129 | 3000 | 80 | 80 | HV | 50000 | 929001437806 |
| CertaFlux LED Strip 2ft 2200lm 840 HV3 | 2200 | 15.8 | 139 | 4000 | 80 | 80 | HV | 50000 | 929001437906 |
| CertaFlux LED Strip 2ft 2200lm 865 HV3 | 2200 | 15.8 | 139 | 6500 | 80 | 80 | HV | 50000 | 929001438006 |

Non-isolated CertaDrive Drivers (HV)

Product specifications

| Driver type/Product type | # of LED Modules in series | Order code 12NC |
|--------------------------------|------------------------------------------------|--------------------|
| Fixed | | |
| CertaDrive 27W 0.21A 130V 230V | 2x 2ft 1550lm 2x 2ft 1550lm + 1x 1ft 775lm | 929001598506 |
| CertaDrive 30W 0.29A 102V 230V | 2x 2ft 2200lm 2x 2ft 2200lm + 1x 1ft 1100lm | 929001598606 |
| CertaDrive 44W 0.32A 137V 230V | 2x 2ft 2200lm 2x 2ft 2200lm + 1x 1ft 1100lm | 929001598706 |

Non-isolated Xitanium Drivers (HV)

Product specifications

| Driver type/Product type | # of LED Modules in series | | | | Order code 12NC |
|------------------------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|
| | 1ft 775lm 8xx HV3 | 2ft 1550lm 830 HV3 | 1ft 1100lm 830 HV3 | 2ft 2200lm 830 HV3 | |
| Fixed Output | | | | | |
| Xitanium 35W 0.08-0.35A 150V S 230V | 3-6 | 2-3 | 3-4 | 2 | 929001506406 |
| Xitanium 36W 0.12-0.4A 115V 230V | 3-6 | 2-3 | 3-4 | 2 | 929000950606 |
| Xitanium 60W 0.08-0.35A 220V S 230V | 4-11 | 2-5 | 3-7 | 2-3 | 929001509106 |
| Xitanium 60W 0.08-0.35A 300V S 230V | 6-11 | 3-5 | 5-7 | 3 | 929001506506 |
| Xitanium 75W 0.12-0.4A 220V 230V | 6-11 | 3-5 | 5-8 | 3-4 | 929000950706 |
| 1-10V | | | | | |
| Xitanium 17W 0.12-0.4A 54V 1-10V 230V | 2 | 1 | 2 | 1 | 929000684803 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | 3-6 | 2-3 | 3-4 | 2 | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | 6-11 | 3-5 | 5-8 | 3-4 | 929000953706 |
| DALI | | | | | |
| Xitanium 17W 0.12-0.4A 54V TD 230V | 2 | 1 | 2 | 1 | 929000684703 |
| Xitanium 35W 0.08-0.35A 150V TD/16 230V | 3-6 | 2-3 | 3-4 | 2 | 929000993106 |
| Xitanium 36W 0.12-0.40A 110V TD 230V | 3-5 | 2 | 3-4 | 2 | 929000852203 |
| Xitanium 60W 0.08-0.35A 300V TD/16 230V | 6-11 | 3-5 | 5-7 | 3 | 929000993206 |
| Xitanium 75W 0.12-0.40A 215V TD 230V | 6-11 | 3-5 | 5-8 | 3-4 | 929000852103 |
| Fixed output (For industry) | | | | | |
| Xitanium 100W 0.15-0.5A 300V iXt 230V | 6-16 | 3-8 | 5-12 | 3-6 | 929001506606 |
| Xitanium 150W 0.2-0.7A 300V iXt 230V | 9-16,18,20,22,24,26,28 | 5-8,10,12,14 | 6-12,14,16,18 | 3-6,8 | 929001506706 |
| DALI (For industry) | | | | | |
| Xitanium 110W 0.2-0.6A 215V TD 230V iXt | N/A | N/A | N/A | N/A | 929000877306 |
| Xitanium 100W 0.15-0.5A 300V iXt TD 230V | 6-16 | 3-8 | 5-12 | 3-6 | 929001516406 |
| Xitanium 150W 0.2-0.7A 300V TD 230V iXt | 9-16,18,20,22,24,26,28 | 5-8,10,12,14 | 7-12,14,16,18 | 4-6,8 | 929000893306 |
| Xitanium 150W 0.2-0.7A 300V iXt TD 230V | 9-16,18,20,22,24,26,28 | 5-8,10,12,14 | 6-12,14,16,18 | 3-6,8 | 929001516506 |
| Single Output Current | | | | | |
| Xitanium 40W 0.28A 142V 230V | 7 | N/A | N/A | N/A | 929000805103 |
| CertaDrive 30W 350mA 82V 230V | N/A | N/A | 3 | N/A | 929000934806 |
| CertaDrive 27W 0.21A 130V 230V | N/A | N/A | 4-5 | 2 | 929001598506 |
| CertaDrive 30W 0.29A 102V 230V | 4-5 | 2 | N/A | N/A | 929001598606 |
| CertaDrive 44W 0.32A 102V 230V | N/A | N/A | 4-5 | 2 | 929001598706 |
| CertaDrive 30W 330mA 82V 230V | 4 | 2 | 3 | N/A | 929000974806 |
| CertaDrive 40W 360mA 110V 230V | 5 | N/A | 4 | 2 | 929000974906 |
| CertaDrive 60W 360mA 170V 230V | 7-8 | 4 | 5-6 | 3 | 929000975006 |

CertaFlux LED Strip Gen4

Linear

CertaFlux LED Strip systems offer good product performance and functionality, with good quality of light, meeting market needs for basic lighting. These cost effective systems are completed with the CertaDrive linear LED driver portfolio, specifically designed to match the CertaFlux LED Strips and focused on lumen packages for high volume applications. Further enhance from Gen 3, Gen 4 will increase Efficacy (up to 165lm/W) with further improvement of light distributino and easy to use.

Features

- 775, 1100 lumen output per foot are available
- One foot and Two foot lengths
- Choices of color temperatures (3000,4000K and 6500K)
- High quality white light CRI 80
- Better color consistency <4 SDCM
- 50,000 hours lifetime
- Efficacy up to 165lm/W

Benefits

- Philips standard systems warranty applies
- Flexible and reliable
- Autommateing wiring enable

Applications

- Office: Reception, lobby, corridors, meeting rooms, open offices and pantry areas
- Retail: Aisles, warehouses and storage areas
- Industry: Warehouses, production areas, and office areas



Outdoor Modules

Where reliability and energy-efficiency matters.
Outdoor LED lighting components must be cost-effective building blocks that can be smartly configured to create tailored outdoor luminaires for various applications.



Fortimo FastFlex Gen4

Outdoor

The Fortimo FastFlex Gen4 system continues to focus on offering a suitable solution to OEMs who want to distinguish themselves through their fixture design and speed to market, as well as OEMs wanting to differentiate their propositions based on optical (photometric) performance.

The **Standard Fortimo FastFlex** are products designed for OEMs looking for a "one stop shop" where, boards and lenses are provided by Philips allowing a short fixture development cycle while, enabling basic optical flexibility with its eight standard light distributions.

For OEMs looking to have a unique photometrical performance, the **FastFlex Differentiation Array (DA)** as well as the new form factor **FastFlex Differentiation Protected (DP)** were designed to operate together with third party lenses - enabling an endless number of possible optical configurations as well as IP rating.

Features

- Modular approach to luminaire design; four board form factors (2x2, 2x4, 2x6, 2x8)
- High energy efficacy, up to 175 Lm/W
- Color temperatures: 2700K, 3000K, 4000K, 5000K, 5700K
- Patented interface between lens, module and mounting surface
- High Tcase, up to 100 °C
- CRI 70 or 80

Benefits

- Perfectly match each project's needs
- Flexible system design
- Easy factory assembly and reliable lifetime performance
- Low cost of thermal management
- Minimal scrap and outdated component cost

Applications

- Road lighting
- Flood and area lighting
- Urban street lighting
- Tunnels
- High bay



Fortimo FastFlex Gen4

Product specifications

| Product type | Module power | Module efficacy typical | Light output | Correlated color temperature | Color rendering index | Tc max | Color consistency | Lifetime 90% survivals | Order code |
|-------------------------------------|--------------|-------------------------|--------------|------------------------------|-----------------------|--------|-------------------|------------------------|----------------|
| | W | lm/W | lm | K | min. CRI | °C | SDCM | Hours | 12NC |
| Fortimo FastFlex LED 2x8/730 G4 | 24 | 142 | 3450 | 3000 | >70 | 85 | 4* | >55,000** | 9290 015 62506 |
| Fortimo FastFlex LED 2x8/740 G4 | 24 | 154 | 3730 | 4000 | >70 | 85 | 4* | >55,000** | 9290 015 62606 |
| Fortimo FastFlex LED 2x8/757 G4 | 24 | 152 | 3685 | 5700 | >70 | 85 | 4* | >55,000** | 9290 015 62706 |
| Fortimo FastFlex LED 2x8/830 G4 | 24 | 131 | 3208 | 3000 | >80 | 85 | 4* | >55,000** | 9290 015 62806 |
| Fortimo FastFlex LED 2x8/840 G4 | 24 | 138 | 3357 | 4000 | >80 | 85 | 4* | >55,000** | 9290 015 62906 |
| Fortimo FastFlex LED 2x8/730 X G4 | 24 | 156 | 3690 | 3000 | >70 | 85 | 4* | >55,000** | 9290 015 72906 |
| Fortimo FastFlex LED 2x8/740 X G4 | 24 | 165 | 3884 | 4000 | >70 | 85 | 4* | >55,000** | 9290 015 73006 |
| Fortimo FastFlex LED 2x4/730 G4 | 12 | 142 | 1725 | 3000 | >70 | 85 | 4* | >55,000** | 9290 015 63006 |
| Fortimo FastFlex LED 2x4/740 G4 | 12 | 154 | 1865 | 4000 | >70 | 85 | 4* | >55,000** | 9290 015 63106 |
| Fortimo FastFlex LED 2x8/730 DA G4 | 24 | 142 | 3450 | 3000 | >70 | 95 | 4* | >55,000** | 9290 015 63506 |
| Fortimo FastFlex LED 2x8/740 DA G4 | 24 | 154 | 3730 | 4000 | >70 | 95 | 4* | >55,000** | 9290 015 63606 |
| Fortimo FastFlex LED 2x8/757 DA G4 | 24 | 152 | 3685 | 5700 | >70 | 95 | 4* | >55,000** | 9290 015 63806 |
| Fortimo FastFlex LED 2x8/765 DA G4 | 24 | 151 | 3693 | 6500 | >70 | 95 | 4* | >55,000** | 9290 015 63906 |
| Fortimo FastFlex LED 2x8/827 DA G4 | 24 | 122 | 2965 | 2700 | >80 | 95 | 4* | >55,000** | 9290 015 64006 |
| Fortimo FastFlex LED 2x8/830 DA G4 | 24 | 131 | 3208 | 3000 | >80 | 95 | 4* | >55,000** | 9290 015 64106 |
| Fortimo FastFlex LED 2x8/840 DA G4 | 24 | 138 | 3357 | 4000 | >80 | 95 | 4* | >55,000** | 9290 015 64206 |
| Fortimo FastFlex LED 2x8/730 DAX G4 | 24 | 156 | 3690 | 3000 | >70 | 105 | 4* | >55,000** | 9290 015 73106 |
| Fortimo FastFlex LED 2x8/740 DAX G4 | 24 | 165 | 3884 | 4000 | >70 | 105 | 4* | >55,000** | 9290 015 73206 |
| Fortimo FastFlex LED 2x6/730 DA G4 | 18 | 142 | 2588 | 3000 | >70 | 95 | 4* | >55,000** | 9290 015 65006 |
| Fortimo FastFlex LED 2x6/740 DA G4 | 18 | 154 | 2798 | 4000 | >70 | 95 | 4* | >55,000** | 9290 015 65106 |
| Fortimo FastFlex LED 2x6/840 DA G4 | 18 | 138 | 2518 | 4000 | >80 | 95 | 4* | >55,000** | 9290 015 65706 |
| Fortimo FastFlex LED 2x6/730 DAX G4 | 18 | 156 | 2767 | 3000 | >70 | 105 | 4* | >55,000** | 9290 015 74006 |
| Fortimo FastFlex LED 2x6/740 DAX G4 | 18 | 165 | 2913 | 4000 | >70 | 105 | 4* | >55,000** | 9290 015 74106 |
| Fortimo FastFlex LED 2x4/730 DA G4 | 12 | 142 | 1725 | 3000 | >70 | 95 | 4* | >55,000** | 9290 015 65806 |
| Fortimo FastFlex LED 2x4/740 DA G4 | 12 | 154 | 1865 | 4000 | >70 | 95 | 4* | >55,000** | 9290 015 65906 |
| Fortimo FastFlex LED 2x4/840 DA G4 | 12 | 138 | 1679 | 4000 | >80 | 95 | 4* | >55,000** | 9290 015 66506 |
| Fortimo FastFlex LED 2x2/730 DA G4 | 6 | 142 | 863 | 3000 | >70 | 95 | 4* | >55,000** | 9290 015 66606 |
| Fortimo FastFlex LED 2x2/740 DA G4 | 6 | 154 | 933 | 4000 | >70 | 95 | 4* | >55,000** | 9290 015 66706 |
| Fortimo FastFlex LED 2x2/840 DA G4 | 6 | 138 | 839 | 4000 | >80 | 95 | 4* | >55,000** | 9290 015 67306 |
| Fortimo FastFlex LED 2x6/730 DP G4 | 18 | 142 | 2588 | 3000 | >70 | 95 | 4* | >55,000** | 9290 015 64306 |
| Fortimo FastFlex LED 2x6/740 DP G4 | 18 | 154 | 2798 | 4000 | >70 | 95 | 4* | >55,000** | 9290 015 64406 |
| Fortimo FastFlex LED 2x6/840 DP G4 | 18 | 138 | 2518 | 4000 | >80 | 95 | 4* | >55,000** | 9290 015 64906 |
| Fortimo FastFlex LED 2x6/730 DPX G4 | 18 | 156 | 2767 | 3000 | >70 | 105 | 4* | >55,000** | 9290 015 73306 |
| Fortimo FastFlex LED 2x6/740 DPX G4 | 18 | 165 | 2913 | 4000 | >70 | 105 | 4* | >55,000** | 9290 015 73406 |

NOTE: light output is specified at board level (lens optical losses not included).

When using standard Fortimo FastFlex lenses, optical losses of 4% need to be taken into account. Specification given at 530 mA and Tc 75 °C.

* Typical Color consistency specified at beginning of life time.

** Charts presenting module's Tc and current vs expected lifetime (up to 120,000 hours), as well as module's Tc and current vs expected lumen depreciation (L70 and above) are available via your sales representative.

FastFlex LED Lenses and clip Gen2

Product specifications

| Product type | Order code |
|----------------------------------|--------------|
| | 12NC |
| FastFlex lens 2x8/II-X Gen2 | 929000873806 |
| FastFlex lens 2x8/III-X Gen2 | 929000873906 |
| FastFlex lens 2x8/IV-X Gen2 | 929000874006 |
| FastFlex lens 2x8/V Gen2 | 929000874106 |
| FastFlex lens 2x8/HB65 Gen2 | 929000896306 |
| FastFlex lens 2x8/II-X WTR Gen2 | 929000906206 |
| FastFlex lens 2x4/SW-X Gen2 | 929000897406 |
| FastFlex lens 2x4/V_C Gen2 | 929000897506 |
| FastFlex module clip* | 929000948106 |
| FastFlex lensless mounting Gen 2 | 929000904506 |

Recommended Drivers for Fortimo Fast Flex Gen 4 can be found through the Philips Easy Design-in tool.

Please visit our website at www.lighting.philips.com.sg/oem-sg



Fortimo FastFlex IP66

Outdoor

Fortimo FastFlex (FF) IP66 is an integrated module solution with IP protection, excellent optical and heat management, made possible by its mid-power LED and glass lens technology. The Fortimo FastFlex IP66 range consists of two product categories -based on their energy efficacy: "Standard" with typical energy efficacy of 140lm/w and, "Ultra High Efficacy" (UHE) with a best-in-class energy efficacy of 165lm/w. The entire system set includes FF IP66 modules, IP67 drivers and multi-connectors, creating a total IP solution perfect for easy design-in for outdoor as well as industry applications. Fortimo FastFlex IP66 is a modular system, with each module having a typical lumen output around 6000lm. The portfolio includes color temperatures of 3000K, 4000K and 5700K.

Features

- IP 66
- Flexibility to select different lumen output (100 to 700mA)
- Best-in-class energy efficacy up to 165 Lm/W
- 5 years system warranty
- 3 CCTs (3000-4000-5700K), CRI 70 and 80
- Various light distributions for Outdoor (Type II – III) as well Industry (High Bay)

Benefits

- Easy to design-in with practical dedicated light distributions for Roadlighting and High Bay
- Easy to install and maintain, CSA compliant, modular solution
- Robust IP66 rating throughout product claimed lifetime
- 50K hours at B50L70 at 50C

Applications

- Road lighting
- Urban street lighting
- High bay



Fortimo FastFlex IP66

Product specifications

| Product type | Order code |
|---------------------------------------|--------------|
| 12NC | |
| Fortimo FastFlex IP 6KLM 730 II-S | 929001427780 |
| Fortimo FastFlex IP 6KLM 730 II-M | 929001427880 |
| Fortimo FastFlex IP 6KLM 730 III-S | 929001427980 |
| Fortimo FastFlex IP 6KLM 730 III-M | 929001428080 |
| Fortimo FastFlex IP 6KLM 740 II-S | 929001428180 |
| Fortimo FastFlex IP 6KLM 740 II-M | 929001428280 |
| Fortimo FastFlex IP 6KLM 740 III-S | 929001428380 |
| Fortimo FastFlex IP 6KLM 740 III-M | 929001428480 |
| Fortimo FastFlex IP 6KLM 757 II-S | 929001428580 |
| Fortimo FastFlex IP 6KLM 757 II-M | 929001428680 |
| Fortimo FastFlex IP 6KLM 757 III-S | 929001428780 |
| Fortimo FastFlex IP 6KLM 757 III-M | 929001428880 |
| Fortimo FastFlex IP 6KLM UHE 730 II-S | 929001464080 |
| Fortimo FastFlex IP 6KLM UHE 730 II-M | 929001464180 |

Fortimo FastFlex IP66 Multi-connectors

Product specifications

| Product type | Order code |
|------------------------------------|--------------|
| 12NC | |
| FastFlex IP Multi-connector 1-3 | 929001429380 |
| FastFlex IP Multi-connector 1-5 | 929001429480 |
| FastFlex IP flying wires connector | 929001465280 |

Recommended Drivers for Fortimo FastFlex IP66 can be found through the Philips Easy Design-in tool.

Please visit our website at www.lighting.philips.com.sg/oem-sg

CertaFlux PLM

Outdoor

The CertaFlux PLM is an integrated module solution with IP66 protection, excellent optical and heat management, made possible by its mid-power LED and glass lens technology. The entire system set includes PLM module, IP67 driver and connectors, creating a total IP solution perfect for easy design-in for outdoor applications. CertaFlux PLM is a modular system, with each module having a lumen output of 4500lm. The portfolio includes color temperatures of 3000K, 4000K and 5000K, suitable for new streetlight installations and could replace SON 150W, 250W and 400W.

Features

- Integrated heat sink and optics
- Complete IP66 system including module, driver and connector
- Color temperatures: 3000K, 4000K and 5000K
- CRI 70
- 50,000 hours lifetime

Benefits

- Easy design-in
- Relatively low investment
- Reliable and flexible
- Good value-for-money

Applications

- Streetlight



CertaFlux PLM



CertaFlux PLM II multi-connectors

CertaFlux PLM

Product specifications

| Product type | Light output (typ.) lm | Power (typ.) W | System efficacy lm/W | Module efficacy lm/W | Input voltage (typ.) V | Color temperature index K | Color rendering Ra | Color consistency SDCM | Lifetime Hours | Order code 12NC |
|----------------------------------|---------------------------|-------------------|-------------------------|-------------------------|---------------------------|------------------------------|-----------------------|---------------------------|-------------------|--------------------|
| CertaFlux PLM II 4500lm 730 Gen1 | 4150 | 33.6 | 113 | 124 | 48 | 3000 | 70 | 6 | 50,000* | 929001444980 |
| CertaFlux PLM II 4500lm 740 Gen1 | 4500 | 33.6 | 123 | 134 | 48 | 4000 | 70 | 6 | 50,000* | 929001445080 |
| CertaFlux PLM II 4500lm 750 Gen1 | 4500 | 33.6 | 123 | 134 | 48 | 5000 | 70 | 6 | 50,000* | 929001445180 |

*@ Tamb 30°C

CertaFlux PLM II multi-connectors

Product specifications

| Product | Order code 12NC |
|---------------------------------------|--------------------|
| CertaFlux PLM 2/3 multi-connector CSA | 929001450408 |
| CertaFlux PLM 3/4 multi-connector CSA | 929001430880 |

Recommended Drivers for CertaFlux PLM II can be found through the Philips Easy Design-in tool.

Please visit our website at www.lighting.philips.com.sg/oem-sg

Industrial Modules

High Bay Modules designed for extreme industrial applications (factories, warehouses or large-format retail stores) offering high quality of lighting, best-in-class thermal performance, minimal glare and a flexible, encompassing range of luminous solutions.



Fortimo High Bay

Industrial

Fortimo High Bay (FHB) is an integrated module solution with IP65 protection, excellent optical and heat management that offers high energy efficacy and high quality of light. The Fortimo High Bay (FHB) solution is designed to enable LED lighting in Industry (high-bay) applications - warehouses, factories, large-format retail stores. A range of compatible IP67 Xitanium drivers complement the High Bay solution in order to further differentiate on efficacy and lifetime under extreme temperature conditions. The portfolio is suitable to replace conventional 100W, 150W, 250W and 400W solutions.

Features

- IP65 integrated heat sink and optics
- High energy efficacy, at least 140 Lm/W at Module level
- Various lumen-level solutions, 10K, 15K, 20K, 24K Lm
- Streamlined profile for best-in-class thermal performance
- 2 sizes (OD): 270mm (10K/15K/20K lm) and 310mm (24K lm)
- 2 Color temperatures: 4000K, 5700K
- 2 light distributions: 60° (high) and 90° (mid), via reflector
- CRI 80
- Re-enforced, tempered glass cover
- Enables complete IP65 system with IP driver

Benefits

- Easy design-in
- Relatively low investment
- Reliable and flexible
- 5 years system warranty

Applications

- High Bay, Mid Bay Industrial lighting



Fortimo High Bay

Product specifications

| Product type | Module power | Module efficacy typical | Light output | Correlated color temperature | Color rendering index | Tc max | Color consistency | Lifetime 90% survivals | Order code |
|-----------------------------------|--------------|-------------------------|--------------|------------------------------|-----------------------|--------|-------------------|------------------------|--------------|
| | W | lm/W | lm | K | min. CRI | °C | SDCM | Hours | 12NC |
| Fortimo High Bay Module 10KLM 840 | 71 | 140 | 10000 | 4000 | >80 | 85 | 6 | 50,000 | 929001432080 |
| Fortimo High Bay Module 15KLM 840 | 100 | 150 | 15000 | 4000 | >80 | 85 | 6 | 50,000 | 929001432180 |
| Fortimo High Bay Module 20KLM 840 | 135 | 148 | 20000 | 4000 | >80 | 85 | 6 | 50,000 | 929001432280 |
| Fortimo High Bay Module 24KLM 840 | 165 | 146 | 24000 | 4000 | >80 | 85 | 6 | 50,000 | 929001432380 |
| Fortimo High Bay Module 10KLM 857 | 71 | 140 | 10000 | 5700 | >80 | 85 | 6 | 50,000 | 929001432480 |
| Fortimo High Bay Module 15KLM 857 | 100 | 150 | 15000 | 5700 | >80 | 85 | 6 | 50,000 | 929001432580 |
| Fortimo High Bay Module 20KLM 857 | 135 | 148 | 20000 | 5700 | >80 | 85 | 6 | 50,000 | 929001432680 |
| Fortimo High Bay Module 24KLM 857 | 165 | 146 | 24000 | 5700 | >80 | 85 | 6 | 50,000 | 929001432780 |

Fortimo High Bay Reflectors

Product specifications

| Product | Order code 12NC |
|------------------------------|-----------------|
| Reflector High Bay 310MM 60D | 929001432880 |
| Reflector High Bay 310MM 90D | 929001432980 |
| Reflector High Bay 270MM 60D | 929001433080 |
| Reflector High Bay 270MM 90D | 929001433180 |



Fortimo High Bay Reflectors

Recommended Drivers for Fortimo High Bay (FHB) Modules can be found through the Philips Easy Design-in tool.

Please visit our website at www.lighting.philips.com.sg/oem-sg

What to Order for a complete Fortimo High Bay system:

4 components - High Bay Module, High Bay Driver, Top Cover and Reflector

Table below shows the different combinations available

| High Bay Module | High Bay Driver | HB Top cover | Reflector | | | |
|---------------------------------------------------|---------------------------------------------------------|------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| | | | 12NC and description | | | |
| 12NC and description | 12NC and description | 12NC and description | 929001433080 Reflector High Bay 270MM 60D | 929001432880 Reflector High Bay 310MM 60D | 929001433180 Reflector High Bay 270MM 90D | 929001432980 Reflector High Bay 310MM 90D |
| 929001432080 Fortimo High Bay Module 10KLM 840 | 929001425680 Xitanium Dim 100W 1.05A 1-10V 230V I165 | 929001460080 HB Top Cover | ✓ | | ✓ | |
| 929001432180 Fortimo High Bay Module 15KLM 840 | 929001425580 Xitanium Dim 150W 1.05A 1-10V 230V I165 | | ✓ | | ✓ | |
| 929001432280 Fortimo High Bay Module 20KLM 840 | 929001408980 Xitanium Dim 220W 1.05A 1-10V 230V I240 | | ✓ | | ✓ | |
| 929001432380 Fortimo High Bay Module 24KLM 840 | 929001408980 Xitanium Dim 220W 1.05A 1-10V 230V I240 | | | ✓ | | ✓ |
| 929001432480 Fortimo High Bay Module 10KLM 857 | 929001425680 Xitanium Dim 100W 1.05A 1-10V 230V I165 | | ✓ | | ✓ | |
| 929001432580 Fortimo High Bay Module 15KLM 857 | 929001425580 Xitanium Dim 150W 1.05A 1-10V 230V I165 | | ✓ | | ✓ | |
| 929001432680 Fortimo High Bay Module 20KLM 857 | 929001408980 Xitanium Dim 220W 1.05A 1-10V 230V I240 | | ✓ | | ✓ | |
| 929001432780 Fortimo High Bay Module 24KLM 857 | 929001408980 Xitanium Dim 220W 1.05A 1-10V 230V I240 | | | ✓ | | ✓ |



The new Easy Design-in tool

The Philips Easy Design-in tool aims to help you navigate systematically, through the specifications and decisions that one needs to make to get to a recommended LED Systems of a best match. A calculation engine is introduced here, with simple filters for you to click and select, to come close to a LED System needed for your particular luminaire in mind. This tool then helps narrow down your options, directing you to a set of tools best suitable for your design-in application.

LED Electronics Easy Design-in tool

In order to help luminaire manufacturers find their way through the growing maze of complexity of LED Systems and the different specifications they are capable of achieving, Philips has developed a Easy Design-in tool. Here you can experiment with the effects of tuning and combining LED Modules and Drivers, establishing the right settings needed to customize your LED luminaire.

With the Philips Easy Design-in tool you can adjust optical, thermal, electrical and mechanical specifications of Philips LED Systems to get your shopping list of associated LED Modules and Drivers.

The Philips Easy Design-in tool is an online platform that covers all Philips Fortimo LED Modules portfolio, Xitanium LED Indoor and Outdoor Drivers, CertaFlux and CertaDrive LED Systems, with the exception of modules with integrated drivers.



Method 1

Calculate and select by desired lumen output, efficiency level, measurement requirements, CCT, or CRI



Match the LED Modules to the driver options, with the appropriate window settings



Method 2

Start with a family of Philips LED Modules that you already have in mind



Explore the options for your particular luminaire needs



Method 3

Start with a LED Module that you have developed yourself, or sourced elsewhere



Select just the driver options available to complement your module

With the Easy Design-in tool you can also experience the impact on luminous flux, current and voltage if you change the default temperature Tc setting of the module to another level. This helps model a realistic scenario of the temperature specifications required for your particular luminaire, in accordance with your thermal choices.



To try the Philips Easy Design-in tool, please visit our website at www.lighting.philips.com.sg/oem-asia

LED Drivers

| | |
|-----------------------|-----|
| LED Drivers portfolio | 102 |
| Our range | 103 |

Philips Xitanium SR and other components

| | |
|------------------------------------------------|-----|
| Connectivity in Linear Lighting | 107 |
| New! Connectivity in Outdoor Lighting | 108 |
| EasyAir Industry Sensor SNH200 | 109 |
| New! IR Dongle (Accessories) | 109 |
| New! EasyAir Outdoor Module SNO110 | 110 |
| New! Wireless Bridgebox and Accessories | 111 |

Outdoor Drivers

| | |
|-----------------------------------------|-----|
| Xitanium Full Programmable | 114 |
| New! Xitanium Lite Programmable | 115 |
| Xitanium Adjustable Output Current | 116 |
| New! Xitanium Dim Single Current | 118 |
| New! Xitanium Single Current | 119 |

Industrial Drivers

| | |
|--------------------------------------|-----|
| Xitanium Dim Single Current High Bay | 122 |
|--------------------------------------|-----|

Indoor Point Drivers

| | |
|--------------------------------------------------------|-----|
| Xitanium Programmable | 126 |
| Xitanium Adjustable Output Current (WH Family) | 127 |
| Xitanium Adjustable Output Current (Mini Family) | 128 |
| Xitanium Single Current (Mini Family) | 129 |
| Xitanium Single Current | 130 |
| Xitanium Single Current TE | 131 |
| New! Xitanium Track Adaptor Driver (3 circuits) | 132 |

| | |
|----------------------------------------------------|-----|
| CertaDrive Mini Family | 133 |
| CertaDrive Single Current Gen2 | 134 |
| New! CertaDrive Single Current (LPF Family) | 135 |

Indoor Linear Drivers

| | |
|-------------------------------------|-----|
| Xitanium Programmable | 138 |
| Xitanium Adjustable Output Current | 39 |
| New! Xitanium Single Current | 140 |
| CertaDrive Single Current | 141 |

LED Transformer

| | |
|-----------------------|-----|
| Performance | 144 |
| Mainstream | 145 |
| MultiOne Configurator | 147 |

LED Drivers portfolio

Our range of Philips LED Drivers are categorized for you to match your business requirements with ease. Refer to each range description to find out more.

| | Outdoor Drivers | Industrial Drivers | Point Drivers | Linear Drivers |
|-------------------------------------------------------------|---------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| S Statement Connected and programmable | Xitanium SR | | Xitanium Programmable | Xitanium SR |
| P Performance Flexible and future-proof | Xitanium Lite Programmable | | Xitanium Adjustable Output Current (WH Family) Xitanium Adjustable Output Current (Mini Family) | Xitanium Adjustable Output Current |
| C Core Performance and reliability | Xitanium Dim Single Current | Xitanium Dim Single Current High Bay | Xitanium Single Current (Mini Family) Xitanium Single Current Xitanium Track Adaptor Driver Xitanium Single Current TE | Xitanium Single Current |
| E Entry Foundation | Xitanium Single Current | | CertaDrive Single Current CertaDrive LPF CertaDrive Mini Family | CertaDrive Single Current |

Our range

Philips has designed these main range to help you with your application segmentation, and to facilitate easy selection of the most appropriate drivers to meet your needs.



Xitanium LED Drivers

Xitanium LED Drivers are reliable, robust and offer flexibility through the operating window and its smart features. They are designed for indoor and outdoor applications, and are available in various form factors with fixed light output, dimmable and programmable options. Offering the flexibility of carrying out late stage programming and drivers configuration, when required.

Features and benefits

Low ripple current. Camera-friendly and minimizes flickering.

Lifetime: Up to 100,000hours lifetime.

Intelligent, DALI 2.0 compliant, enabling connectivity/Internet of Things (IoT).

SimpleSet: Wireless configuration technology.

Best in class performance and energy efficient. Comes in spec-grade performance (THD/PF).

CertaDrive LED Drivers

CertaDrive LED Drivers are designed to meet the market needs for basic lighting. They are ideal for high volume applications together with CertaFlux LED Modules. Offering basic specifications, such as specific current and voltage settings, they come with a standard system warranty for your peace of mind.

Philips Xitanium SR Driver

Driving **connected lighting**



Connected lighting brings opportunities for energy saving, data collection, space management, and more. It enhances user comfort and enables cost benefits. The Philips Xitanium SR LED Driver plays an important role as a building block for connected luminaires. It works seamlessly with a range of sensors, and smooths the path to the Internet of Things. With the Xitanium SR LED Driver, it's easier to create luminaires for connected lighting applications.



Simplified luminaire design

The Xitanium SR LED Driver is sensor ready. This means it doesn't just provide power conversion for LED lighting, it also features integrated sensor controllers, power supplies and energy metering functionality. Everything is integrated, hence very few external components are required. As a result, luminaire design, manufacture and installation are greatly simplified and more cost effective.

Every luminaire becomes a node

By delivering actionable operational data such as energy consumption, daylight harvesting and occupancy patterns to a building management

system, every luminaire becomes a connected lighting node. The Xitanium SR LED Driver is a simple and cost effective way of stepping into the rapidly growing world of connected lighting.

Accelerate your connected lighting business

Standard DALI 2.0 communications between driver and sensor means that you can choose from a wide range of sensor manufacturers to design the solutions that are right for you and your customers. By working together and matching technologies, OEMs, sensor manufacturers and system integrators help realize seamless connectivity.



Smart lighting fixtures will drive enhanced energy saving and make **Lighting** a key element in the “**Internet of Things**”

EasyAir office sensor the wireless solution



The Philips EasyAir office sensor wireless sensor range is compatible with the Xitanium SR LED Driver. These sensors provide cost effective, mainstream sensing, as well as easy integration.

Adding sensors to luminaires brings huge benefits in terms of energy management and building regulation conformity. Existing sensors are bulky, expensive and difficult to design-in. The Philips EasyAir office sensor changes all this. The sensor's single-box, luminaire-mounting format and two wire connection helps you to save time and costs when integrating occupancy

sensing and daylight harvesting into your luminaires. The EasyAir office sensor is designed to be luminaire-integrated which reduces the likelihood of errors during installation.

EasyAir office sensor helps to reduce time to market thanks to its full compatibility with Xitanium SR LED Drivers. This eliminates the need for auxiliary devices and eliminates time consuming configuration issues. The simple, two-wire connection from driver to sensor also helps reduce design-in complexity.

For project specifiers, EasyAir office sensor helps to increase efficiency by enabling energy saving and compliancy without impacting project time or aesthetic. There's no need to wire sensors outside the ceiling fixture, eliminating mistakes when placing the sensors and luminaires. Projects can be completed quickly, while the integrated sensors leave the ceiling uncluttered.

Another EasyAir office sensor breakthrough is the ability to configure via

SimpleSet which means the sensors can leave your factory fully configured, ready for app-based commissioning on site. The Android based app simplifies programming occupancy and daylight sensing parameters, while enabling you to fine-tune lumen levels.

The EasyAir office sensor is ready for the future. By integrating the EasyAir office sensor into your luminaire, you are now ready to enter the connected world of tomorrow.

The EasyAir office sensor SNS200 has on-board Zigbee and infrared communication to enable Advanced Grouping behavior in offices. It offers a perfect solution for applications where multiple luminaires need to be grouped together to respond to motion and daylight changes. All this without pulling wires and opening ceilings. Scenes can be used to create different settings in combination with Zigbee Green Power wireless dimmer switches. With your smartphone you can commission the groups with ease using our Philips Field Apps.

Connectivity in linear lighting

New Philips Sensor Ready drivers are ideal for use with sensors and building management systems. With its integrated DALI 2.0 power supply it is easy to power sensors and wireless modules directly from the driver. It also features integrated energy metering for use in building management systems from the SR Certified program. This program with key building management and sensor vendors ensures that certified sensors and controllers work seamlessly with the Xitanium SR driver. For more information go to our webpage at <http://www.philips.com/xitaniumsr>.

The EasyAir sensor range is a brand new range with presence and daylight sensors that can be used all across offices, including open plan offices, meeting rooms and corridors. The EasyAir sensors' single-box, luminaire-mounting format and, powered by Xitanium SR, a two-wire connection will save time and costs when integrating them into your luminaires. The EasyAir sensors are ready for the future. By integrating the EasyAir sensor into your luminaire, all work is done to enter the connected world of tomorrow. So let's get connected.



Xitanium SR Linear HV (non-isolated) Drivers

| Product type | Housing type mm | Output current mA | Output voltage V | Dimming % | DALI power supply max. supply current mA | Energy metering accuracy % | Order code 12NC |
|------------------------------------------|--------------------|----------------------|---------------------|--------------|---------------------------------------------|-------------------------------|--------------------|
| Xitanium 36W 0.3-1A 54V SR 230V | 360x30x21 | 300-1000 | 27-54 | 100-1 | 52 | 4 | 929001516306 |
| Xitanium 75W 0.7-2A 54V SR 230V | 360x30x21 | 700-2000 | 27-54 | 100-1 | 52 | 4 | 929001505006 |
| Xitanium 35W 0.08-0.35A 150V SR 230V | 360x30x21 | 80-350 | 50-150 | 100-1 | 52 | 4 | 929001540406 |
| Xitanium 60W 0.08-0.35A 220V SR 230V | 360x30x21 | 80-350 | 50-220 | 100-1 | 52 | 4 | 929001540506 |
| Xitanium 60W 0.08-0.35A 300V SR 230V | 360x30x21 | 80-350 | 100-300 | 100-1 | 52 | 4 | 929001540606 |
| Xitanium 100W 0.25-0.7A 220V SR 230V | 360x30x21 | 250-700 | 50-220 | 100-1 | 52 | 4 | 929001540706 |
| Xitanium 100W 0.15-0.5A 300V SR 230V iXT | 425x30x21 | 150-500 | 100-300 | 100-1 | 52 | 4 | 929001540806 |
| Xitanium 150W 0.2-0.7A 300V SR 230V iXT | 425x30x21 | 200-700 | 100-300 | 100-1 | 52 | 4 | 929001540906 |

EasyAir office sensor

| Product type | Housing (Volume inside luminaire) mm | Key features | Req. Luminaire hole mm | Occupancy technology | Detection area at 3m height (minor movement) m | Detection area at 2.4m height (minor movement) m | Viewing angle | Full light dim level % | Operating Ambient temperature °C | Order code 12NC |
|------------------------------------------------|-----------------------------------------|-------------------------------|---------------------------|----------------------|---------------------------------------------------|-----------------------------------------------------|---------------|---------------------------|-------------------------------------|--------------------|
| EasyAir office sensor advanced grouping SNS200 | 50x19x31.5 (50x19x24) | Zigbee wireless communication | 44x17 | Passive IR | 3.6x3.4 | 2.9x2.7 | X=72°Y=86° | 5-100% | 0-55 | 929000766803 |
| EasyAir office sensor for networking SNS300 | 50x19x31.5 (50x19x24) | Zigbee 3.0 gateway | 44x17 | Passive IR | 3.6x3.4 | 2.9x2.7 | X=72°Y=86° | 5-100% | 0-55 | 929000795606 |

Suitable for office

Order at sample webshop philips.com/oemwebshop
For further information visit philips.com/technology

Connectivity in outdoor lighting

New Philips Sensor Ready Outdoor drivers are ideal for use with Smart City management systems. This driver simplifies the design and production of connected luminaires that use intelligent lighting controllers from our SR Certified Partners by reducing wiring and component count. It adds new features like diagnostics and accurate power metering. Furthermore, it enables luminaire manufacturers to design and build future-proof solutions that align with phased investment capabilities of municipal authorities. Using the driver in combination with industry-standard Zhaga connectors enables sensors and other connected devices to be added to the luminaire at a later date. This makes cost-effective upgrades possible as financial resources become available. For more information go to our webpage at <http://www.philips.com/xitaniumsr>.



| Product type | Housing type | Output current | Output voltage | Dimming | Efficiency @ 100% load | Lifetime @ Tc life | Diagnostics via SR interface | DALI power supply via SR interface max power 0.5W | 24V power supply 3W average power /10W peak | Energy metering accuracy | Order code |
|-------------------------------------------------------------------|--------------|----------------|----------------|---------|------------------------|--------------------|------------------------------|---------------------------------------------------|---------------------------------------------|--------------------------|--------------|
| | mm | mA | V | % | % | Hours | | | | % | 12NC |
| Xitanium SR Outdoor 12W 0.2-0.7A C133 sXt | C133 | 200-700 | 8-32 | 100-10 | 83 | 100.000 | • | • | • | 1 | 929001613506 |
| Xitanium SR Outdoor 22W 0.2-0.7A C133 sXt | C133 | 200-700 | 16-48 | 100-10 | 85 | 100.000 | • | • | • | 1 | 929001598306 |
| Xitanium SR Outdoor 22W 0.3-1.0A C133 sXt | C133 | 300-1050 | 8-32 | 100-10 | 85 | 100.000 | • | • | • | 1 | 929001573706 |
| Xitanium SR Outdoor 40W 0.2-0.7A C133 sXt | C133 | 200-700 | 25-77 | 100-10 | 86 | 100.000 | • | • | • | 1 | 929001573506 |
| Xitanium SR Outdoor 40W 0.3-1.0A C133 sXt | C133 | 300-1050 | 20-54 | 100-10 | 86 | 100.000 | • | • | • | 1 | 929001573606 |
| Xitanium SR Outdoor 75W 0.2-0.7A S240 sXt | S240 | 200-700 | 50-150 | 100-10 | 88 | 100.000 | • | • | • | 1 | 929001507706 |
| Xitanium SR Outdoor 75W 0.3-1.0A S240 sXt | S240 | 300-1050 | 20-100 | 100-10 | 88 | 100.000 | • | • | • | 1 | 929001507806 |
| Xitanium SR Outdoor 150W 0.2-0.7A S240 sXt | S240 | 200-700 | 90-283 | 100-10 | 90 | 100.000 | • | • | • | 1 | 929001507506 |
| Xitanium SR Outdoor 150W 0.3-1.0A S240 sXt | S240 | 300-1050 | 70-214 | 100-10 | 90 | 100.000 | • | • | • | 1 | 929001507606 |
| Xi SR 150W 0.27-0.7A SMP TWE I250 Independent | I250 | 270-700 | 78-236 | 100-10 | 91 | 100.000 | • | • | • | 1 | 929001430580 |
| Xi SR 75W 0.27-0.7A SMP TWE I200 Independent | I200 | 270-700 | 43-118 | 100-10 | 90 | 100.000 | • | • | • | 1 | 929001430680 |
| Xi SR 150W 0.27-0.7A SMP TWE I250 Independent (connector version) | I250 | 270-700 | 78-236 | 100-10 | 91 | 100.000 | • | • | • | 1 | 929001497780 |

* Standard features: Input voltage range 170-264V, Surge protection DM/CM 6/8kV, SimpleSet, DynaDimmer, Module Temperature Protection.

Suitable for outdoor

Order at sample webshop philips.com/oemwebshop
For further information visit philips.com/technology

EasyAir industry sensor SNH200

Market trends and needs in Industry segment

The rapid growth of online retail and shopping has boosted logistics and warehousing facilities. This has given rise to an increased need for asset management and energy savings. A typical warehouse has a huge potential for energy savings as lighting contributes to the highest energy cost, especially in non-refrigerated warehouses. Large parts of such warehouses only need 'light-on-demand'. Availability of energy usage reports or to be able to manage/maintain multiple sites remotely are key user benefits in industry segment. Furthermore, the production downtime in manufacturing facilities can be costly and a clear need for improved ways of managing maintenance is foreseen.

Opportunity for EasyAir industry sensor

The EasyAir industry sensor SNH200 based on Sensor Ready (SR) platform is a perfect wireless solution to address the market needs in the industry segment. Compared to the existing solutions which are complicated to commission, involve expensive cabling and work with limited temperature environments, EasyAir SNH200 promises to be a one stop easy solution for any industrial application.

Based on the technology of EasyAir SNS200, the industry sensor SNH200 is an easy to integrate, cost effective presence and daylight sensor to significantly help save energy costs. An easy to work with app allows a quick and easy configuration and commissioning process along with the energy readout. Additionally, the advanced grouping and zoning of luminaires leads to enhanced light behaviour on occupancy detection. The EasyAir SNH200 responds very well to the trend of higher ceiling warehouses and seamlessly integrates with the waterproof luminaires commonly used in an industrial setup. Moreover, working with SR based connected lighting system eases monitoring and diagnoses which eventually drives down maintenance costs.

Features

- Works with SR drivers to eliminate power packs and improve cost effectiveness
- Maximize energy savings by presence and daylight sensing
- Advanced lighting control via grouping and zoning of luminaires, using ZigBee mesh
- Quick and easy configuration - in factory using MultiOne/SimpleSet technology and in field via Infrared
- Easy to commission through a user-friendly app, available for free on Google PlayStore as Philips Field Apps
- Energy readout via app or MultiOne
- Ideally suitable for highbay applications; also, suitable for trunking applications via SR Bridge
- High ceiling heights up to 16m,
- IP65 rating to match IP-rating of high bay luminaires; sensor mounted outside of luminaire

- Wide temperature range from -25°C to 65°C to suit various industrial applications
- Releases in Q1 2018

Applications

- Warehouses
- Production facilities
- Assembly areas

Ordering information

Product specifications

| Product | Order code |
|----------------|----------------|
| EasyAir SNH200 | 9290 016 25706 |



EasyAir Industry Sensor SNH200

IR Dongle (Accessories)

Features

- Works up to high heights of 16m
- Key tool for commissioning EasyAir sensors in field
- Fits into the audio jack of mobile phones to enable Infrared communication
- Narrow IR beam and long range enable high selectivity of sensor from ground level
- Optional use with EasyAir SNS200
- Mandatory use with EasyAir SNH200



Ordering information

Product specifications

| Product | Description | Order code |
|-----------|-----------------------------------------------------------------|----------------|
| IR Dongle | Infrared device to commission EasyAir SNS200 and EasyAir SNH200 | 9290 016 25706 |

IR Dongle

EasyAir Outdoor Module SNO110

Market trends and needs in Outdoor segment

Outdoor lighting is all around us and new technologies enables municipalities and facility managers to optimize lighting and dimming schemes during time light is less needed. These customers need to anticipate that surroundings or function of a street or public space can change over the long lifetime of outdoor luminaires. For this they need future proof solutions which covers will cover this and enables that over time fast developing IoT technologies can be used.

Important to realize is that outdoor lighting is covering a very wide area of different applications. The requirements for highways are significantly different with city centers, residential or parking's near shopping malls.

Opportunity for EasyAir SNO110 Sensor

The EasyAir Outdoor module SNO110 based on the universal SR platform is the perfect solution to address the basic market needs in the outdoor segment. The device has a built-in GPS receiver and based on the location, date and time it calculates the exact on-off switching and dimming moments.

The module can be configured without power via SimpleSet (NFC) at assembly or during installation.

For configuration of the EasyAir module an easy to use App can be downloaded on a Smartphone. Via this App all settings can be made including the 5-step DynaDimmer. This accurate DynaDimmer takes also Daylight Saving Time into account and timing can be set within a minute accurate. These features makes this device the ideal solution for those customers who want flexible and configurable controls without complexity.

Because of the SR platform, which consist of a Xitanium SR driver and SR receptacle the module is very easy to integrate in most luminaires. Furthermore, the SR receptacle, standardized via Zhaga book 18, will make luminaires future-proof and can be upgraded to advanced CMS modules if needed.

Features

- Integrated GPS receiver for location and exact time/date
- Automatic switch-on/switch-off at sunset / sunrise
- Accurate DynaDimmer with Daylight Saving Time correction
- Quick and easy Configuration via SimpleSet (NFC) without power during assembly/installing
- Daylight sensor
- Accurate diagnostics, including energy readout via app
- Easy to commission through a user-friendly app, free available on Google PlayStore
- IP66/IK08 rating to match outdoor requirements
- Wide temperature range from -30°C to 60°C for use globally
- Releases in Q3 2018

Applications

- Residential or Urban area,
- City center, Shopping area
- Pedestrian, bicycle roads,
- Squares, Campus, Parking, etc



EasyAir Outdoor Module SNO110

* Not all features will be available at introduction.

Ordering information

Product specifications

| Product | Order code |
|----------------|----------------|
| EasyAir SNO110 | 9290 015 99206 |

GPS based realtime DynaDimmer

Coming soon, we will enter new territory in Outdoor with in-field smartphone configuration of street lighting made possible by Philips connected components. Stay tuned!

Suitable for outdoor

For further information visit philips.com/technology

SR Certified program

For the ultimate reassurance of connectivity, Philips has also introduced the SR Certified program, which is a list of all companies, components and sensors that are certified to work with the Xitanium SR LED Driver. It's the seal of approval you need for putting together a connected solution from participating parts suppliers and service providers. The world of connected lighting is growing fast. You can play a role in accelerating its growth.

The SR Certified program is a foundation for successful partnerships. Let's connect.



Wireless Bridge Box and Accessories

New!

The wireless bridge box has different types of analog voltage output interface, which can be connected with the drive power supply with suitable interface. By adjusting the output voltage/signal of the interface and adjusting the power of the drive power, lighting dimming can be achieved. At the same time, this equipment has the switch control function, can cut the loop's ac power supply. Those devices can use Zigbee to communicate with gateway, dimmer panel, gateway APP and other intelligent terminal devices to realize local and remote control.

The wireless LCD control panel, wall touch panel and controller are the devices which use Zigbee to control the bridge box by wireless way. It's a super easy way to apply wireless control system in light world.

Features

- Zigbee protocol compliance, intelligent linkage with other Zigbee products
- Zigbee protocol compliance (ZHA)

Benefits

- Wireless access without control wires
- Achieve local control and remote control in one systems

Applications

- Office
- Classroom
- Hotel
- Home



Product specifications

| Product type | Color | Housing | Protocol | Features | Dimension mm | Order code 12NC |
|-----------------------------------|-----------|---------|----------|---------------------|--------------|-----------------|
| Wireless Phase-cut Bridge Box | Dark gray | 188 | Zigbee | Phase cut dim | 88x41x28 | 929001461162 |
| Wireless 1-10V Bridge Box | Dark gray | 188 | Zigbee | 1-10V dim | 88x41x28 | 929001461462 |
| Wireless Tunable White Bridge Box | Dark gray | 188 | Zigbee | Tunable White dim | 88x41x28 | 929001469980 |
| Wireless RGBW Bridge Box | Dark gray | 188 | Zigbee | RGBW dim | 88x41x28 | 929001470080 |
| Wireless Wall Touch Panel | White | 186 | Zigbee | Wall Switch control | 86x86x9 | 929001460962 |
| Wireless Controller | White | 1140 | Zigbee | Remote control | 140x43x10 | 929001461062 |
| Wireless LCD Control Panel | White | 189 | Zigbee | LCD panel control | 89x89x12 | 929001470180 |



Outdoor Drivers

Philips Outdoor LED Drivers offer extreme reliability and maximum flexibility, enabling you to get the best out of LED lighting applications.

Portfolio

| Outdoor Drivers | Dimming | | Basic features and performance | | |
|----------------------|----------|-------|--------------------------------|---------------------------------|-----------------------|
| | DALI Dim | 1-10V | SimpleSet | Adjustable output current (AOC) | Housing/ installation |
| S Statement | Yes | No | Yes | Yes | Built-in |
| P Performance | No | Yes | Yes | Yes | IP67/Built-in |
| | No | No | No | Yes | IP65 |
| C Core | No | Yes | No | No | IP67/Built-in |
| E Entry | No | No | No | No | IP67/Built-in |



Xitanium Full Programmable

Outdoor

Philips Xitanium Full Programmable LED Drivers are specifically designed to deliver the highest performance, protection and configurability. The portfolio offers both central and standalone dimming protocols further increasing the energy savings and CO2 reductions achieved with LED lighting. The technology ensures maximum robustness and protection combined with a very long lifetime.

In this product family Philips introduces new drivers in a stretched form factor with state-of-the-art features, which offer high value for both OEM customers and end-users. The products can replace the existing programmable outdoor LED Drivers and will bring significant improvement in programming, assembly into a luminaire and electrical performance. One of the key features is SimpleSet, an easy and fast way to configure the drivers in a production environment, without the need to power the driver.

Features

- SimpleSet, wireless configuration interface
- High surge protection (CM/DM)
- Long lifetime, 50K hours at Tc max
- Robust and protection against moisture, vibration and temperature
- Configurable operating windows (AOC)
- Multiple control interfaces: DALI, LineSwitch, AmpDim
- Autonomous dimming via integrated DynaDimmer
- Suitable for central DC operation (DCemDim)

- Thermal protection for driver and for module (MTP)
- Constant Light Output (CLO)
- Adjustable Start-up Time (AST)
- Adjustable Light Output (ALO)
- End-Of-Life indicator (EOL)

Benefits

- Ultimate robustness, offering peace of mind and lower maintenance costs
- Fully programmable LED Drivers designed for the new digital and connected lighting world

- Extended diagnostics via SimpleSet and MultiOne
- Easy to design-in, configure and install for Class I and Class II applications
- Energy savings through high efficiency and via multiple dimming options

Applications

- Road and street lighting
- Area lighting
- Industry lighting



Product specifications

| Product type | SimpleSet | Housing type | Housing | Max output power | Output current | Output voltage | Dimensions | Surge Protection (DM/CM) | Dimming | Order code |
|----------------------------------------------|-----------|--------------|---------|------------------|----------------|----------------|------------|--------------------------|------------------|--------------|
| | | | | | | | | | | |
| Xi FP 22W 0.2-0.7A SNLDAE 230V C123 sXt | Yes | Built-in | C123 | 22 | 0.2-0.7 | 16-48 | 123x79x31 | 6/10 | DALI/ DynaDimmer | 929001617706 |
| Xi FP 22w 0.3-1.0A SNLDAE 230V C123 sXt | Yes | Built-in | C123 | 22 | 0.3-1.0 | 8-32 | 123x79x31 | 6/10 | DALI/ DynaDimmer | 929001518506 |
| Xi FP 40W 0.2-0.7A SNLDAE 230V C123 sXt | Yes | Built-in | C123 | 40 | 0.2-0.7 | 25-77 | 123x79x31 | 6/10 | DALI/ DynaDimmer | 929001518606 |
| Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | Yes | Built-in | C123 | 40 | 0.3-1.0 | 20-54 | 123x79x31 | 6/10 | DALI/ DynaDimmer | 929001518706 |
| Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | Yes | Built-in | C133 | 110 | 0.3-1.0 | 50-160 | 133x77x40 | 6/10 | DALI/ DynaDimmer | 929001639106 |
| Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt | Yes | Built-in | C133 | 110 | 0.2-0.7 | 70-220 | 133x77x40 | 6/10 | DALI/ DynaDimmer | 929001639006 |
| Xi FP 330W 2.0-2.0-0.75A SNDAE 230V C240 sXt | Yes | Built-in | C240 | 330 | 0.2-0.75 | 100-300 | 240x118x38 | 6/10 | DALI/ DynaDimmer | 929001408306 |
| Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt | Yes | Built-in | S175 | 22 | 0.3-1.05 | 8-32 | 175x46x34 | 6/8 | DALI/ DynaDimmer | 929000991206 |
| Xi FP 40W 0.2-0.7A SNLDAE 230V S175 sXt | Yes | Built-in | S175 | 40 | 0.2-0.7 | 25-77 | 175x46x34 | 6/8 | DALI/ DynaDimmer | 929000989206 |
| Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt | Yes | Built-in | S175 | 40 | 0.3-1.05 | 20-54 | 175x46x34 | 6/8 | DALI/ DynaDimmer | 929000989306 |
| Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt | Yes | built-in | S240 | 75 | 0.2-0.7 | 50-150 | 240x59x38 | 6/10 | DALI/ DynaDimmer | 929001644006 |
| Xi FP 75W 0.3-1.0A SNLDAE 230V S240 sXt | Yes | built-in | S240 | 75 | 0.3-1.05 | 35-108 | 240x59x38 | 6/10 | DALI/ DynaDimmer | 929001644106 |
| Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt | Yes | built-in | S240 | 150 | 0.2-0.7 | 90-283 | 240x59x38 | 6/10 | DALI/ DynaDimmer | 929001644206 |
| Xi FP 150W 0.3-1.0A SNLDAE 230V S240 sXt | Yes | built-in | S240 | 150 | 0.3-1.05 | 70-214 | 240x59x38 | 6/10 | DALI/ DynaDimmer | 929001644306 |

Xitanium Lite Programmable

Outdoor

Philips Xitanium Lite Programmable LED Drivers are value engineered to deliver a carefully selected feature set and high-end performance, making it a preferred choice for many outdoor applications. The portfolio offers high flexibility with a customizable operating window, enabling differentiation in LED lighting design via system tuning and being prepared for LED efficacy upgrades.

In this product family Philips introduces new drivers in a stretched form factor with a balanced features set, which offer high value for both OEM customers and end-users. The products can replace the existing programmable outdoor LED Drivers and will bring significant improvement in programming, assembly into a luminaire and electrical performance. One of the key features is SimpleSet, an easy and fast way to configure the drivers in a production environment, without the need to power the driver.

Features

- SimpleSet, wireless configuration interface
- High surge protection
- Long lifetime, 50K hours at Tc max
- Robust and protection against moisture, vibration and temperature
- Configurable operating windows (AOC)
- External control interface (1-10V) available
- Autonomous dimming via Integrated DynaDimmer

- Integrated driver thermal protection
- Simplified linear version of Constant Light Output (CLO LITE)

Benefits

- Ultimate robustness, offering peace of mind and lower maintenance costs
- Balanced configurable feature set covering the most common applications
- Easy to design-in, configure and install for Class I and Class II applications

- Energy savings through high efficiency and via multiple dimming options
- Consistent waterproof performance through the lifecycle

Applications

- Road and street lighting
- Area lighting
- Tunnel lighting
- Highbay lighting



Product specifications

| Product type | Simple Set | Housing type | Housing | Max output power | Output current | Output voltage | Dimensions | Surge Protection (DM/CM) | Dimming | Order code |
|--------------------------------------|------------|--------------|---------|------------------|----------------|----------------|---------------|--------------------------|------------------|--------------|
| | | | | | | | | | | |
| Xi LP 22W 0.2-0.7A S1 230V S175 sXt | Yes | Built-in | S175 | 22 | 0.2-0.7 | 16-48 | 175 x 46 x 34 | 6/10 | 1-10V/Dynadimmer | 929001613606 |
| Xi LP 22W 0.3-1.0A S1 230V S175 sXt | Yes | Built-in | S175 | 22 | 0.3-1.0 | 8-32 | 175 x 46 x 34 | 6/10 | 1-10V/Dynadimmer | 929001613706 |
| Xi LP 40W 0.2-0.7A S1 230V S175 sXt | Yes | Built-in | S175 | 40 | 0.2-0.7 | 23-77 | 175 x 46 x 34 | 6/10 | 1-10V/Dynadimmer | 929000930706 |
| Xi LP 40W 0.3-1.0A S1 230V S175 sXt | Yes | Built-in | S175 | 40 | 0.3-1.0 | 4-40 | 175 x 46 x 34 | 6/10 | 1-10V/Dynadimmer | 929000940806 |
| Xi LP 75W 0.3-1.0A S1 230V S240 sXt | Yes | Built-in | S240 | 75 | 0.3-1.05 | 35-108 | 240 x 58 x 38 | 6/10 | 1-10V/Dynadimmer | 929000963306 |
| Xi LP 65W 0.3-1.05A S1 230V I150 | Yes | IP67 | I150 | 65 | 0.3-1.05 | 31-93 | 150x 68x 45 | 6/10 | 1-10V/Dynadimmer | 929001473980 |
| Xi LP 65W 0.5-1.5A S1 230V I150 | Yes | IP67 | I150 | 65 | 0.5-1.5 | 21-62 | 150x 68x 45 | 6/10 | 1-10V/Dynadimmer | 929001474180 |
| Xi LP 65W 0.3-1.05A S1 TWE I175 | Yes | IP67 | I175 | 65 | 0.3-1.05 | 31-93 | 175x 68x 45 | 6/10 | 1-10V/Dynadimmer | 929001474080 |
| Xi LP 100W 0.3-1.05A S1 230V I175 | Yes | IP67 | I175 | 100 | 0.3-1.05 | 46-143 | 175 x 68 x 45 | 6/10 | 1-10V/Dynadimmer | 929001407280 |
| Xi LP 150W 0.3-1.0A S1 230V S240 sXt | Yes | Built-in | S240 | 150 | 0.3-1.05 | 70-214 | 240 x 58 x 38 | 6/10 | 1-10V/Dynadimmer | 929000962906 |
| Xi LP 150W 0.3-1.05A S1 230V I175 | Yes | IP67 | I175 | 150 | 0.3-1.05 | 72-214 | 175 x 68 x 45 | 6/10 | 1-10V/Dynadimmer | 929001407080 |
| Xi LP 220W 0.3-1.05A S1 230V I230 | Yes | IP67 | I230 | 220 | 0.3-1.05 | 104-314 | 230 x 68 x 45 | 6/10 | 1-10V/Dynadimmer | 929001424480 |
| Xi LP 220W 0.5-1.5A S1 230V I230 | Yes | IP67 | I230 | 220 | 0.5-1.5 | 73-210 | 230 x 68 x 45 | 6/10 | 1-10V/Dynadimmer | 929001424680 |
| Xi LP 220W 0.3-1.05A S1 230V F3 | Yes | Built-in | F3-can | 220 | 0.3-1.05 | 104-314 | 240 x 64 x 38 | 6/10 | 1-10V/Dynadimmer | 929001425180 |
| Xi LP 220W 0.3-1.05A S1 TWE I230 | Yes | IP67 | I230 | 220 | 0.3-1.05 | 104-314 | 230 x 68x 45 | 6/10 | 1-10V/Dynadimmer | 929001424880 |
| Xi LP 220W 0.5-1.5A S1 TWE I230 | Yes | IP67 | I230 | 220 | 0.5-1.5 | 73-210 | 230 x 68x 45 | 6/10 | 1-10V/Dynadimmer | 929001425080 |

Xitanium Adjustable Output Current

Outdoor

Philips Xitanium LV LED Adjustable Output Current Drivers are specifically designed for maximum flexibility and reliability in low voltage outdoor applications. With superior surge protection, these durable, independently housed drivers deliver consistent, high performance to luminaires even after multiple indirect lightning strikes – an ideal solution for OEMs that need reliable, adjustable output in a rugged independent form factor.

Features

- Proven robustness and reliable electronic driver design
- Adjustable Output Current with wide window
- Long lifetime, 50K hours at Tc max, to withstand harsh outdoor conditions
- Compact size, fitting with varied and critical luminaires
- Suitable for Class I isolated luminaires
- Authorized certificate: ENEC, CB, CE and CCC

Benefits

- Low voltage/high current output fits the application of LED strings connecting in parallel
- AOC (Adjustable Output Current) gives the full flexibility to output different currents to spec-in different projects
- Easy adjustment of output current/voltage by only one screwdriver
- Various power wattage drivers that are related to the lumen packages/applications
- Consistent waterproof performance through the lifecycle
- IP rated housing support luminaires without fully sealed gearbox

Applications

- Road and street lighting
- Area and flood lighting
- Tunnel lighting
- High bay lighting



Product specifications

| Product type | SimpleSet | Housing type | Housing | Max output power | Output current | Output voltage | Dimensions | Surge Protection (DM/CM) | Dimming | Order code |
|---------------------------------------|-----------|--------------|---------|------------------|----------------|----------------|---------------|--------------------------|---------|--------------|
| | | | | W | A | V | | | | |
| Xitanium 100W 2.1-4.2A AOC 230V I220 | No | IP65 | I220 | 100 | 2.1-4.2 | 12-48 | 220 x 68 x 45 | 4/6 | No | 929001404580 |
| Xitanium 150W 2.45-4.9A AOC 230V I220 | No | IP65 | I220 | 150 | 2.45-4.9 | 15-61 | 220 x 68 x 45 | 4/6 | No | 929001404480 |
| Xitanium 200W 2.8-5.6A AOC 230V I250 | No | IP65 | I250 | 200 | 2.8-5.6 | 18-71 | 220 x 68 x 45 | 4/6 | No | 929001404680 |



Xitanium Dim Single Current

Outdoor

LED-based light sources are an excellent solution for outdoor environment. They are long-lasting and require low maintenance. However, to get the best out of the LEDs, these light sources require highly reliable and efficient LED Drivers. The new Philips Xitanium Dimmable (1-10V) LED Outdoor Drivers are specifically designed to deliver reliable performance and protection while meeting the strict performance, approbation and application requirements.

Features

- Proven robustness and reliable electronic driver design
- Achieving highest efficiencies based on advance technology
- Long lifetime, 50K hours at Tc max
- Extreme compact size, fitting with varied and critical luminaires
- Suitable for Class I isolated luminaires
- Authorized certificate: ENEC, CB, CE and CCC
- Long lifetime and high survival rate
- Superior thermal management suitable for outdoor application
- Backed by 5 year warranty from a company you can trust
- Consistent waterproof performance through the lifecycle
- Proven robustness and reliability secure the lowest luminaire maintenance over time
- Component integration in advanced IC enables cost effective design

- Extreme compact size, fitting with varied luminaires
- Easy to design-in based on the good thermal management and extra EMI margin

Applications

- Road and street lighting
- Area and flood lighting
- Tunnel lighting
- High bay lighting

Benefits

- Robust design, capable of withstanding harsh outdoor conditions



Product specifications

| Product type | SimpleSet | Housing type | Housing | Max output power | Output | | Dimensions | Surge Protection (DM/CM) | Dimming | Order code |
|-----------------------------------------|-----------|--------------|---------|------------------|--------|---------|---------------|--------------------------|---------|--------------|
| | | | | | W | A | | | | |
| Xitanium Dim 65W 0.7A 1-10V 230V Y | No | Built-in | Y-can | 65 | 0.7 | 46-93 | 168 x 60 x 38 | 4/4 | 1-10V | 929001426680 |
| Xitanium Dim 65W 1.05A 1-10V 230V Y | No | Built-in | Y-can | 65 | 1.05 | 30-62 | 168 x 60 x 38 | 4/4 | 1-10V | 929001426780 |
| Xitanium Dim 65W 0.7A 1-10V 230V I175 | No | IP67 | I175 | 65 | 0.7 | 46-93 | 175 x 68 x 45 | 4/4 | 1-10V | 929001426280 |
| Xitanium Dim 65W 1.05A 1-10V 230V I175 | No | IP67 | I175 | 65 | 1.05 | 30-62 | 175 x 68 x 45 | 4/4 | 1-10V | 929001426380 |
| Xitanium Dim 100W 0.7A 1-10V 230V Y | No | Built-in | Y-can | 100 | 0.7 | 64-143 | 168 x 60 x 38 | 4/4 | 1-10V | 929001402280 |
| Xitanium Dim 100W 1.05A 1-10V 230V Y | No | Built-in | Y-can | 100 | 1.05 | 42-95 | 168 x 60 x 38 | 4/4 | 1-10V | 929001402380 |
| Xitanium Dim 100W 0.7A 1-10V 230V I175 | No | IP67 | I175 | 100 | 0.7 | 64-143 | 175 x 68 x 45 | 4/4 | 1-10V | 929001401880 |
| Xitanium Dim 100W 1.05A 1-10V 230V I175 | No | IP67 | I175 | 100 | 1.05 | 42-95 | 175 x 68 x 45 | 4/4 | 1-10V | 929001402080 |
| Xitanium Dim 150W 0.7A 1-10V 230V Y | No | Built-in | Y-can | 150 | 0.7 | 96-214 | 168 x 60 x 38 | 4/4 | 1-10V | 929001401680 |
| Xitanium Dim 150W 1.05A 1-10V 230V Y | No | Built-in | Y-can | 150 | 1.05 | 62-142 | 168 x 60 x 38 | 4/4 | 1-10V | 929001401780 |
| Xitanium Dim 150W 0.7A 1-10V 230V I175 | No | IP67 | I175 | 150 | 0.7 | 96-214 | 175 x 68 x 45 | 4/4 | 1-10V | 929001401280 |
| Xitanium Dim 150W 1.05A 1-10V 230V I175 | No | IP67 | I175 | 150 | 1.05 | 62-142 | 175 x 68 x 45 | 4/4 | 1-10V | 929001401480 |
| Xitanium Dim 250W 0.7A 1-10V 230V Q | No | Built-in | Q-can | 250 | 0.7 | 178-357 | 241 x 90 x 42 | 6/6 | 1-10V | 929000838508 |
| Xitanium Dim 250W 1.05A 1-10V 230V Q | No | Built-in | Q-can | 250 | 1.05 | 118-238 | 241 x 90 x 42 | 6/6 | 1-10V | 929001404280 |
| Xitanium Dim 250W 0.7A 1-10V 230V I220 | No | IP67 | I220 | 250 | 0.7 | 178-357 | 220 x 94 x 49 | 6/6 | 1-10V | 929001404706 |
| Xitanium Dim 250W 1.05A 1-10V 230V I220 | No | IP67 | I220 | 250 | 1.05 | 118-238 | 220 x 94 x 49 | 6/6 | 1-10V | 929001405080 |
| Xitanium Dim 150W 0.7A 1-10V TWE I220 | No | IP67 | I220 | 150 | 0.7 | 90-214 | 220 x 68 x 45 | 4/4 | 1-10V | 929001425880 |
| Xitanium Dim 150W 1.05A 1-10V TWE I220 | No | IP67 | I220 | 150 | 1.05 | 60-143 | 220 x 68 x 45 | 4/4 | 1-10V | 929001467780 |
| Xitanium Dim 100W 0.7A 1-10V TWE I220 | No | IP67 | I220 | 100 | 0.7 | 71-143 | 220 x 68 x 45 | 4/4 | 1-10V | 929001402880 |
| Xitanium Dim 100W 1.05A 1-10V TWE I220 | No | IP67 | I220 | 100 | 1.05 | 41-95 | 220 x 68 x 45 | 4/4 | 1-10V | 929001467880 |
| Xitanium Dim 75W 0.7A 1-10V TWE I175 | No | IP67 | I175 | 75 | 0.7 | 40-117 | 175 x 68 x 45 | 4/4 | 1-10V | 929001402780 |
| Xitanium Dim 75W 1.05A 1-10V TWE I175 | No | IP67 | I175 | 75 | 1.05 | 30-72 | 175 x 68 x 45 | 4/4 | 1-10V | 929001467980 |
| Xitanium Dim 35W 0.7A 1-10V TWE I175 | No | IP67 | I175 | 35 | 0.7 | 18-50 | 175 x 68 x 45 | 4/4 | 1-10V | 929001425780 |

Xitanium Single Current

Outdoor

LED-based light sources are an excellent solution for outdoor environment. They are long-lasting and require low maintenance. However, to get the best out of the LEDs, these light sources require highly reliable and efficient LED Drivers. The new Philips Xitanium Fixed Output LED Outdoor Drivers are specifically designed to deliver reliable performance and protection while meeting the strict performance, approbation and application requirements.

Features

- Proven robustness and reliable electronic driver design
- Achieving highest efficiencies based on advance technology
- Long lifetime, 50K hours at Tc max
- Extreme compact size, fitting with varied and critical luminaires
- Suitable for Class I isolated luminaires
- Authorized certificate: ENEC, CB, CE and CCC

Benefits

- Robust design, capable of withstanding harsh outdoor conditions
- Long lifetime and high survival rate
- Superior thermal management suitable for outdoor application
- Backed by 5 year warranty from a company you can trust
- Consistent waterproof performance through the lifecycle
- Proven robustness and reliability secure the lowest luminaire maintenance over time

- Component integration in advanced IC enables cost effective design
- Extreme compact size, fitting with varied luminaires
- Easy to design-in based on the good thermal management and extra EMI margin

Applications

- Road and street lighting
- Area and flood lighting
- Tunnel lighting
- High bay lighting




Product specifications

| Product type | SimpleSet | Housing type | Housing | Max output power | Output | | Dimensions | Surge protection (DM/CM) | Dimming | Order code |
|-------------------------------|-----------|--------------|---------|------------------|--------|--------|---------------|--------------------------|---------|--------------|
| | | | | | W | A | | | | |
| Xitanium 65W 0.7A 230V S157 | No | Built-in | S157 | 65 | 0.7 | 65-93 | 157 x 59 x 39 | 4/4 | No | 929001406280 |
| Xitanium 65W 1.05A 230V S157 | No | Built-in | S157 | 65 | 1.05 | 42-62 | 157 x 59 x 39 | 4/4 | No | 929001406380 |
| Xitanium 65W 0.7A 230V I160 | No | IP67 | I160 | 65 | 0.7 | 65-93 | 160 x 63 x 41 | 4/4 | No | 929001405980 |
| Xitanium 65W 1.05A 230V I160 | No | IP67 | I160 | 65 | 1.05 | 42-62 | 160 x 63 x 41 | 4/4 | No | 929001406080 |
| Xitanium 100W 0.7A 230V Y | No | Built-in | Y-can | 100 | 0.7 | 64-143 | 168 x 60 x 38 | 4/4 | No | 929001401080 |
| Xitanium 100W 1.05A 230V Y | No | Built-in | Y-can | 100 | 1.05 | 42-95 | 168 x 60 x 38 | 4/4 | No | 929001401180 |
| Xitanium 100W 0.7A 230V I175 | No | IP67 | I175 | 100 | 0.7 | 64-143 | 175 x 68 x 45 | 4/4 | No | 929001400680 |
| Xitanium 100W 1.05A 230V I175 | No | IP67 | I175 | 100 | 1.05 | 42-95 | 175 x 68 x 45 | 4/4 | No | 929001400880 |
| Xitanium 150W 0.7A 230V Y | No | Built-in | Y-can | 150 | 0.7 | 96-214 | 168 x 60 x 38 | 4/4 | No | 929001400480 |
| Xitanium 150W 1.05A 230V Y | No | Built-in | Y-can | 150 | 1.05 | 62-142 | 168 x 60 x 38 | 4/4 | No | 929001400580 |
| Xitanium 150W 0.7A 230V I175 | No | IP67 | I175 | 150 | 0.7 | 96-214 | 175 x 68 x 45 | 4/4 | No | 929001400080 |
| Xitanium 150W 1.05A 230V I175 | No | IP67 | I175 | 150 | 1.05 | 62-142 | 175 x 68 x 45 | 4/4 | No | 929001400280 |
| Xitanium 150W 0.7A TWE I220 | No | IP67 | I220 | 150 | 0.7 | 90-214 | 220 x 68 x 45 | 4/4 | No | 929001425980 |
| Xitanium 150W 1.05A TWE I220 | No | IP67 | I220 | 150 | 1.05 | 60-143 | 220 x 68 x 45 | 4/4 | No | 929001468080 |
| Xitanium 100W 0.7A TWE I220 | No | IP67 | I220 | 100 | 0.7 | 71-143 | 220 x 68 x 45 | 4/4 | No | 929001402680 |
| Xitanium 100W 1.05A TWE I220 | No | IP67 | I220 | 100 | 1.05 | 41-95 | 220 x 68 x 45 | 4/4 | No | 929001468180 |
| Xitanium 75W 0.7A TWE I175 | No | IP67 | I175 | 75 | 0.7 | 40-117 | 175 x 68 x 45 | 4/4 | No | 929001402580 |
| Xitanium 75W 1.05A TWE I175 | No | IP67 | I175 | 75 | 1.05 | 30-72 | 175 x 68 x 45 | 4/4 | No | 929001468280 |
| Xitanium 40W 0.7A TWE I160 | No | IP67 | I160 | 40 | 0.7 | 35-57 | 160 x 63 x 41 | 4/4 | No | 929001408780 |
| Xitanium 40W 1.05A TWE I160 | No | IP67 | I160 | 40 | 1.05 | 23-38 | 160 x 63 x 41 | 4/4 | No | 929001468380 |
| Xitanium 25W 0.7A TWE I160 | No | IP67 | I160 | 25 | 0.7 | 20-36 | 160 x 63 x 41 | 4/4 | No | 929001408880 |



Industrial Drivers

Portfolio

| Indoor Point Drivers | Dimming | | Basic features and performance | | |
|------------------------------------------------------------------------------------------|----------|-------|--------------------------------|---------------------------------|-----------------------|
| | DALI Dim | 1-10V | SimpleSet | Adjustable Output Current (AOC) | Housing/ Installation |
|  Core | No | Yes | No | No | IP67/Built-in |



Xitanium Dim Single Current High Bay Industrial

LED-based light sources are an excellent solution for highbay industrial applications. They are long-lasting and require low maintenance. However, to get the best out of the LEDs, these light sources require highly reliable and efficient LED Drivers. Philips Xitanium Dimmable (1-10V) LED Outdoor Drivers are specifically designed to deliver reliable performance and protection while meeting the strict performance, approbation and application requirements.

Features

- Proven robustness and reliable electronic driver design
- Achieving highest efficiencies based on advanced technology
- Extremely long lifetime, 50K hours at Tc max, fitting with highbay industrial applications
- Independent / IP67 rated
- Dimmable through 1-10V interface
- Suitable for IEC insulation Class I systems
- Authorized certificate: ENEC, CB, CE and CCC

Benefits

- Ultimate robustness and reliability secure the lowest luminaires maintenance overtime
- Best in class, thermal performance withstanding harsh High-bay industry applications
- Consistent waterproof performance throughout the lifecycle
- Easy to design-in based on broad compatibility and superior thermal management
- Backed by 5 year warranty from a company you can trust

Applications

- High bay lighting
- Warehouse lighting
- Big-box retail store lighting



Product specifications

| Product type | Housing type | Housing | Max output power | Output current | Output voltage | Dimensions | Surge protection (DM/CM) | Dimming | Order code |
|------------------------------------------|--------------|---------|------------------|----------------|----------------|---------------|--------------------------|---------|--------------|
| | | | W | A | V | | | | |
| Xitanium Dim 100W 1.05A 1-10V 230V I165 | IP67 | I165 | 100 | 1.05 | 46-95 | 165 x 73 x 65 | 4/6 | 1-10V | 929001407980 |
| Xitanium Dim 100W 1.05A 1-10V 230V I165C | IP67 | I165 | 100 | 1.05 | 46-95 | 165 x 73 x 65 | 4/6 | 1-10V | 929001425680 |
| Xitanium Dim 150W 1.05A 1-10V 230V I165 | IP67 | I165 | 150 | 1.05 | 71-142 | 165 x 73 x 65 | 4/6 | 1-10V | 929001407880 |
| Xitanium Dim 150W 1.05A 1-10V 230V I165C | IP67 | I165 | 150 | 1.05 | 71-142 | 165 x 73 x 65 | 4/6 | 1-10V | 929001425580 |
| Xitanium Dim 220W 1.05A 1-10V 230V I240 | IP67 | I240 | 220 | 1.05 | 100-210 | 241 x 73 x 65 | 4/6 | 1-10V | 929001407780 |
| Xitanium Dim 220W 1.05A 1-10V 230V I240C | IP67 | I240 | 220 | 1.05 | 100-210 | 241 x 73 x 65 | 4/6 | 1-10V | 929001408980 |





Indoor Point Drivers

Portfolio

| Indoor Point Drivers | Dimming | | Basic features and performance | | |
|----------------------|----------|--------|--------------------------------|---------------------------------|------------------------------------------|
| | DALI Dim | TE Dim | SimpleSet | Adjustable Output Current (AOC) | Driver lifetime times at Tc life (hours) |
| S Statement | Yes | No | Yes | Yes | 50,000 |
| P Performance | No | No | Yes | Yes | 50,000 |
| C Core | No | Yes | No | No | 50,000 |
| E Entry | No | No | No | No | 30,000 |



Xitanium Programmable

Point

Our Xitanium programmable window LED drivers ensure OEMs have complete flexibility and control in producing high quality luminaires. Available in application dedicated form factors, our LED point drivers provide further customization via wide operating windows. Additionally, almost all drivers feature the following specifications: SELV, temperature derating, hot wiring, providing OEMs the tools to produce, and even alter later if necessary, premium downlights and spotlights.

Features

- Dali Dimmable
- Output current can be adjusted via the Philips MultiOne or SimpleSet
- +/-5% output current tolerance
- Power range from 10-75W
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- High reliability underpinned by 5 year warranty
- Future-proof flexibility: application-oriented operating windows enable LED generation and complexity management
- Compatibility: can also be used for other manufacturers' modules or OEM's own PCB designs

Applications

- Downlight
- Track light
- Spotlight



L200



B97



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|------------------------------------------|-----------|---------|------------------|----------------|----------------|------------|------------------|--------------|
| | | | W | A | V | mm | | 12NC |
| Xitanium 20W/m 0.15-0.5A 54V TD 230V | No | B97 | 20 | 0.15-0.5 | 24-54 | 97x43x30 | Dali | 929001419006 |
| Xitanium 36W/m 0.3-1.05A 54V TD 230V | No | B97 | 36 | 0.3-1.05 | 24-54 | 97x43x30 | Dali | 929001419106 |
| Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V | Yes | I200 | 20 | 0.15-0.5 | 24-54 | 200x74x32 | Dali & Touch Dim | 929000991706 |
| Xitanium 36W WH 0.3-1A 54V TD/Is 230V | Yes | I200 | 36 | 0.3-1.0 | 24-54 | 200x74x32 | Dali & Touch Dim | 929000969906 |
| Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V | Yes | I200 | 50 | 0.7-1.5 | 24-54 | 200x74x32 | Dali & Touch Dim | 929000991806 |



| Product type | Order code |
|---------------------------|--------------|
| Strain Relief Blocks DALI | 929001430906 |

Xitanium Adjustable Output Current (WH Family)

Point

Our Xitanium programmable window LED drivers ensure OEMs have complete flexibility and control in producing high quality luminaires. Available in application dedicated form factors, our LED point drivers provide further customization via wide operating windows. Additionally, almost all drivers feature the following specifications: SELV, temperature derating, hot wiring, providing OEMs the tools to produce, and even alter later if necessary, premium downlights and spotlights.

Features

- Adjustable output current via SimpleSet
- +/-5% output current tolerance
- Low ripple current <=4%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- High reliability underpinned by 5 year warranty
- Future-proof flexibility: application-oriented operating windows enable LED generation and complexity management
- Compatibility: can also be used for other manufacturers' modules or OEM's own PCB designs

Applications

- Downlight
- Track light
- Spotlight



L200



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|---------------------------------------|-----------|---------|------------------|----------------|----------------|------------|---------|--------------|
| | | | W | A | V | mm | | 12NC |
| Xitanium 20W WH 0.15-0.5A 54V Is 230V | Yes | I200 | 20 | 0.15-0.5 | 24-54 | 200x74x32 | No | 929001413906 |
| Xitanium 36W WH 0.3-1.05A 54V Is 230V | Yes | I200 | 36 | 0.3-1.0 | 24-54 | 200x74x32 | No | 929001414006 |
| Xitanium 50W WH 0.7-1.5A 54V Is 230V | Yes | I200 | 50 | 0.7-1.5 | 24-54 | 200x74x32 | No | 929001416806 |

Xitanium Adjustable Output Current (Mini Family) Point

Xitanium Mini driver have the same form of conventional HID-Prima vision driver which is widely used in downlight and spot light. The output current can be adjusted by Rset which give OEMs much design flexibility.

Features

- Adjustable output current via Rset or SimpleSet
- HID-Prima vision mini form with small size
- +/-5% output current tolerance
- Low ripple current <=4%
- THD<=20%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Different current output set by Rset give high flexibility to OEMs
- Very small size which is easy to be designed in luminaires
- Resolve flickering issue in certain applications

Applications

- Downlight
- Track light
- Spotlight



B97

Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions mm | Dimming | Order code |
|-----------------------------------|-----------|---------|------------------|----------------|----------------|------------------|---------|--------------|
| | | | W | A | V | | | |
| Xitanium 20W/m 0.15-0.5A 48V 230V | No | B97 | 20 | 0.15-0.5 | 24-48 | 97x43x30 | No | 929000893806 |
| Xitanium 36W/m 0.3-1.05A 48V 230V | No | B97 | 36 | 0.3-1.05 | 24-48 | 97x43x30 | No | 929000881806 |
| Xitanium 50W/m 0.5-1.5A 48V 230V | No | B97 | 50 | 0.3-1.05 | 24-48 | 97x43x30 | No | 929000934606 |
| Xitanium 20W/m 0.15-0.5A 54V 230V | Yes | B97 | 20 | 0.15-0.5 | 24-54 | 97x43x30 | No | 929001415006 |
| Xitanium 36W/m 0.3-1.05A 54V 230V | Yes | B97 | 36 | 0.3-1.05 | 24-54 | 97x43x30 | No | 929001415106 |
| Xitanium 43W/m 0.7-1.2A 54V 230V | Yes | B97 | 43 | 0.7-1.2 | 24-54 | 97x43x30 | No | 929001415206 |
| Xitanium 50W/m 0.7-1.5A 54V 230V | Yes | B97 | 50 | 0.7-1.5 | 24-54 | 97x43x30 | No | 929001415306 |



| Product type | Order code |
|------------------------|--------------|
| Strain Relief Blocks * | 929001461680 |

*Remark: suitable for 20W/m, 36W/m, 43W/m only.

Xitanium Single Current (Mini Family) Point

Xitanium Mini Driver have the same form of conventional HID-Prima vision driver which is widely used in downlight and spotlight. The product range is the most affordable small size driver within the Mini family.

Features

- HID-Prima vision mini form with small size
- +/-8% output current tolerance
- Low ripple current <=4%
- THD<=20%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Very small size which is easy to be designed in luminaires
- Resolve flickering issue in certain applications

Applications

- Downlight
- Track light
- Spotlight



B97

Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions mm | Dimming | Order code |
|----------------------------------|-----------|---------|------------------|----------------|----------------|------------------|---------|--------------|
| | | | W | A | V | | | |
| Xitanium 16W/m 0.35A 46V SC 230V | No | B97 | 16 | 0.35 | 31-46 | 97x43x30 | No | 929001412380 |
| Xitanium 21W/m 0.7A 30V SC 230V | No | B97 | 21 | 0.70 | 20-30 | 97x43x30 | No | 929001412580 |
| Xitanium 23W/m 0.5A 46V SC 230V | No | B97 | 23 | 0.50 | 31-46 | 97x43x30 | No | 929001412480 |
| Xitanium 28W/m 0.6A 46V SC 230V | No | B97 | 28 | 0.60 | 31-46 | 97x43x30 | No | 929001418706 |
| Xitanium 30W/m 0.65A 46V SC 230V | No | B97 | 30 | 0.65 | 31-46 | 97x43x30 | No | 929001470806 |
| Xitanium 32W/m 0.7A 46V SC 230V | No | B97 | 32 | 0.70 | 31-46 | 97x43x30 | No | 929001412680 |
| Xitanium 34W/m 0.8A 42V SC 230V | No | B97 | 34 | 0.80 | 30-42 | 97x43x30 | No | 929001418806 |
| Xitanium 38W/m 0.9A 42V SC 230V | No | B97 | 38 | 0.90 | 30-42 | 97x43x30 | No | 929001418906 |
| Xitanium 48W/m 1.05A 46V 230V | No | B97 | 48 | 1.05 | 31-46 | 97x43x30 | No | 929001572806 |



| Product type | Order code |
|------------------------|--------------|
| Strain Relief Blocks * | 929001461680 |

Xitanium Single Current

Point

This range provides an affordable selection of point drivers which have 50,000 hours lifetime. The driver specially addresses the flickering issues by low ripple current, making this ideal for camera operation.

Features

- Small, compact dimensions
- Specific, optimized output current and voltage
- Selectable output current of 27W to 64W
- 4KV/2KV surge of 50W/59W/64W
- Low ripple current <=3%
- THD<=15%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/ applications
- Independent version housing design for stand-alone installations
- Resolve flickering issue in certain applications

Applications

- Downlight
- Track light
- Spotlight
- Panel light



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|--------------------------------------|-----------|---------|------------------|----------------|----------------|------------|---------|--------------|
| | | | W | A | V | | | |
| Xitanium 15W 0.35A 42V I 230V | No | I115 | 15 | 0.35 | 32-42 | 115x45x29 | No | 929001410180 |
| Xitanium 21W 0.5A 42V I 230V | No | I115 | 21 | 0.5 | 32-42 | 115x45x29 | No | 929001410280 |
| Xitanium 27W 0.6/0.65A 42V I 230V G2 | No | I108 | 27 | 0.6/0.65 | 30-42 | 108x68x32 | No | 929001418280 |
| Xitanium 32W 0.7/0.75A 42V I 230V G2 | No | I108 | 32 | 0.7/0.75 | 30-42 | 108x68x32 | No | 929001418380 |
| Xitanium 34W 0.9/1.05A 32V I 230V G2 | No | I108 | 34 | 0.9/1.05 | 24-32 | 108x68x32 | No | 929001418480 |
| Xitanium 36W 0.8/0.85A 42V I 230V G2 | No | I108 | 36 | 0.8/0.85 | 30-42 | 108x68x32 | No | 929001418580 |
| Xitanium 40W 0.9/0.95A 42V I 230V G2 | No | I108 | 40 | 0.9/0.95 | 30-42 | 108x68x32 | No | 929001419380 |
| Xitanium 44W 1.0/1.05A 42V I 230V G2 | No | I108 | 44 | 1.0/1.05 | 30-42 | 108x68x32 | No | 929001418680 |
| Xitanium 50W 1.1/1.2A 42V I 230V | No | I108 | 50 | 1.1/1.2 | 30-42 | 108x68x32 | No | 929001423380 |
| Xitanium 59W 1.3/1.4A 42V I 230V | No | I108 | 59 | 1.3/1.4 | 30-42 | 108x68x32 | No | 929001423480 |
| Xitanium 64W 1.5/1.6A 40V I 230V | No | I108 | 64 | 1.5/1.6 | 30-40 | 108x68x32 | No | 929001423580 |

Xitanium Single Current TE

Point

This range provides an affordable selection of point drivers which have 50,000 hours lifetime. The driver provide trailing-edge dimmable features which is popular dimming method.

Features

- Small, compact dimensions
- +/-5% output current tolerance
- THD<=20%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/ applications
- Independent version housing design for stand-alone installations
- Very small size which is easy to be designed in luminare

Applications

- Downlight
- Track light
- Spotlight



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|-----------------------------------|-----------|---------|------------------|----------------|----------------|------------|---------------|--------------|
| | | | W | A | V | | | |
| Xitanium 4W 0.1A 40V TE SC 230V | No | B100 | 4 | 0.1 | 29-40 | 100x50x19 | Trailing-Edge | 929001420706 |
| Xitanium 6W 0.15A 40V TE SC 230V | No | B100 | 6 | 0.15 | 29-40 | 100x50x19 | Trailing-Edge | 929001420806 |
| Xitanium 7W 0.35A 20V TE SC 230V | No | B100 | 7 | 0.35 | 8-20 | 100x50x19 | Trailing-Edge | 929001420906 |
| Xitanium 8W 0.2A 40V TE SC 230V | No | B100 | 8 | 0.2 | 29-40 | 100x50x19 | Trailing-Edge | 929001421006 |
| Xitanium 10W 0.25A 40V TE SC 230V | No | B100 | 10 | 0.25 | 29-40 | 100x50x19 | Trailing-Edge | 929001421106 |
| Xitanium 10W 0.5A 20V TE SC 230V | No | B100 | 10 | 0.5 | 8-20 | 100x50x19 | Trailing-Edge | 929001421206 |
| Xitanium 14W 0.35A 40V TE SC 230V | No | B100 | 14 | 0.35 | 29-40 | 100x50x19 | Trailing-Edge | 929001421306 |
| Xitanium 15W 0.75A 20V TE SC 230V | No | B100 | 15 | 0.75 | 8-20 | 100x50x19 | Trailing-Edge | 929001421406 |



| Product type | Order code |
|------------------------|--------------|
| Strain Relief Block TE | 929001431106 |

Xtanium Track Adaptor Driver (3 circuits)

Point

Track adaptor driver is a great innovation to minimize the track light luminaire in a most reliable and cost effect way.

Features

- Small, compact dimensions
- Specific, optimized output current and voltage
- 50,000 hours lifetime
- Fast time to market
- Low ripple, low THD
- Suitable for 3 circuits system
- White/Black/Grey colour available
- Standard nipples as accessory

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/ applications
- Fixed output Drivers
- Track adaptor housing design for minimization of track light luminaire

Applications

- Track light



Product specifications

| Product type | Color | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|--------------------------------------|-------|---------|------------------|----------------|----------------|------------|---------|--------------|
| | | | W | A | V | | | |
| Xtanium 10W/a 0.2/0.25A 40V 3CW 230V | White | I162 | 10 | 0.2/0.25 | 30-40 | 162x31x44 | No | 929001475680 |
| Xtanium 20W/a 0.35/0.5A 40V 3CW 230V | White | I162 | 20 | 0.35/0.5 | 30-40 | 162x31x44 | No | 929001475780 |
| Xtanium 32W/a 0.7/0.8A 40V 3CW 230V | White | I224 | 32 | 0.7/0.8 | 30-40 | 224x31x44 | No | 929001475880 |
| Xtanium 42W/a 0.9/1.05A 40V 3CW 230V | White | I224 | 42 | 0.9/1.05 | 30-40 | 224x31x44 | No | 929001475980 |
| Xtanium 10W/a 0.2/0.25A 40V 3CB 230V | Black | I162 | 10 | 0.2/0.25 | 30-40 | 162x31x44 | No | 929001476080 |
| Xtanium 20W/a 0.35/0.5A 40V 3CB 230V | Black | I162 | 20 | 0.35/0.5 | 30-40 | 162x31x44 | No | 929001476180 |
| Xtanium 32W/a 0.7/0.8A 40V 3CB 230V | Black | I224 | 32 | 0.7/0.8 | 30-40 | 224x31x44 | No | 929001476280 |
| Xtanium 42W/a 0.9/1.05A 40V 3CB 230V | Black | I224 | 42 | 0.9/1.05 | 30-40 | 224x31x44 | No | 929001476380 |
| Xtanium 10W/a 0.2/0.25A 40V 3CG 230V | Grey | I162 | 10 | 0.2/0.25 | 30-40 | 162x31x44 | No | 929001476480 |
| Xtanium 20W/a 0.35/0.5A 40V 3CG 230V | Grey | I162 | 20 | 0.35/0.5 | 30-40 | 162x31x44 | No | 929001476580 |
| Xtanium 32W/a 0.7/0.8A 40V 3CG 230V | Grey | I224 | 32 | 0.7/0.8 | 30-40 | 224x31x44 | No | 929001476680 |
| Xtanium 42W/a 0.9/1.05A 40V 3CG 230V | Grey | I224 | 42 | 0.9/1.05 | 30-40 | 224x31x44 | No | 929001476780 |



| Product type | Order code |
|------------------|--------------|
| Nipples X1 white | 929001476880 |
| Nipples X1 black | 929001476980 |
| Nipples X1 grey | 929001477080 |

CertaDrive Mini Family

Point

CertaDriver Mini have the same form of conventional HID-Prima vision driver which is widely used in downlight and spot light. The single current mini family product most affordable small size driver within Mini family.

Features

- HID-Prima vision mini form with small size
- Affordable LED Drivers
- +/-8% output current tolerance
- 30,000 hours life time

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Very small size which is easy to be designed in luminaire
- Resolve flickering issue in certain applications

Applications

- Downlight
- Track light
- Spotlight



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|---------------------------------|-----------|---------|------------------|----------------|----------------|------------|---------|--------------|
| | | | W | A | V | | | |
| CertaDrive 21W/m 0.5A 42V 230V | No | B97 | 21 | 0.5 | 30-42 | 97x43x30 | No | 929001468580 |
| CertaDrive 25W/m 0.6A 42V 230V | No | B97 | 25 | 0.6 | 30-42 | 97x43x30 | No | 929001463480 |
| CertaDrive 30W/m 0.7A 42V 230V | No | B97 | 30 | 0.7 | 30-42 | 97x43x30 | No | 929001463580 |
| CertaDrive 34W/m 0.8A 42V 230V | No | B97 | 34 | 0.8 | 30-42 | 97x43x30 | No | 929001463680 |
| CertaDrive 40W/m 0.9A 44V 230V | No | B97 | 40 | 0.9 | 30-44 | 97x43x30 | No | 929001463780 |
| CertaDrive 41W/m 1.05A 39V 230V | No | B97 | 41 | 1.05 | 27-39 | 97x43x30 | No | 929001463880 |



| Product type | Order code |
|--------------------------------|--------------|
| Strain Relief Block CertaDrive | 929001463980 |

CertaDrive Single Current Gen2

Point

These fixed current drivers offer an easy to use solution for essential spot, downlight and panel light applications. The CertaDrive range is designed to meet the market needs for basic lighting. They are therefore ideal for high volume applications and can be used with different type LED light engines. These driver are optimized for Chip On Board (COB) LED technology and are available in a variety of wattages.

Features

- High reliability
- Luminaire design flexibility to keep stable/constant
- Lumen output and light quality levels
- Fast Time to Market
- One supplier for professional general lighting LED Drivers
- Affordable LED Drivers
- +/- 8% output current tolerance on 2nd generation
- 30,000 hours life time

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/ applications
- Fixed output drivers
- Independent version housing design for stand-alone installations

Applications

- Downlight
- Track light
- Spotlight



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|------------------------------------|-----------|---------|------------------|----------------|----------------|------------|---------|--------------|
| | | | W | A | V | | | |
| CertaDrive 8W 0.2A 42V I 230V G2 | No | I115 | 8 | 0.2 | 30-42 | 115x45x29 | No | 929001421780 |
| CertaDrive 11W 0.25A 42V I 230V G2 | No | I115 | 11 | 0.25 | 30-42 | 115x45x29 | No | 929001421880 |
| CertaDrive 13W 0.3A 42V I 230V G2 | No | I115 | 13 | 0.3 | 30-42 | 115x45x29 | No | 929001421980 |
| CertaDrive 15W 0.35A 42V I 230V G2 | No | I115 | 15 | 0.35 | 30-42 | 115x45x29 | No | 929001422080 |
| CertaDrive 17W 0.4A 42V I 230V G2 | No | I115 | 17 | 0.4 | 30-42 | 115x45x29 | No | 929001422180 |
| CertaDrive 19W 0.45A 42V I 230V G2 | No | I115 | 19 | 0.45 | 30-42 | 115x45x29 | No | 929001422280 |
| CertaDrive 21W 0.5A 42V I 230V G2 | No | I115 | 21 | 0.5 | 30-42 | 115x45x29 | No | 929001422380 |
| CertaDrive 25W 0.6A 42V I 230V G2 | No | I108 | 25 | 0.6 | 30-42 | 108x68x32 | No | 929001414180 |
| CertaDrive 30W 0.7A 42V I 230V G2 | No | I108 | 30 | 0.7 | 30-42 | 108x68x32 | No | 929001414280 |
| CertaDrive 34W 0.8A 42V I 230V G2 | No | I108 | 34 | 0.8 | 30-42 | 108x68x32 | No | 929001414380 |
| CertaDrive 38W 0.9A 42V I 230V G2 | No | I108 | 38 | 0.9 | 30-42 | 108x68x32 | No | 929001414480 |
| CertaDrive 44W 1.05A 42V I 230V G2 | No | I108 | 44 | 1.05 | 30-42 | 108x68x32 | No | 929001414580 |

CertaDrive Single Current (LPF Family)

Point

These fixed current drivers offer an easy to use solution for essential spot, downlight applications. The CertaDrive LPF range is designed to meet the market needs for basic lighting. They are therefore ideal for high volume applications and can be used with different type LED light engines. These drivers have very small size and are optimized for low power factor application.

Features

- High reliability
- Luminaire design flexibility to keep stable/constant
- Lumen output and light quality levels
- Fast Time to Market
- Low power factor
- Affordable LED Drivers
- +/- 10% output current tolerance
- 30,000 hours life time

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/ applications
- Fixed output drivers
- Independent version housing design for stand-alone installations

Applications

- Downlight
- Track light
- Spotlight



Product specifications

| Product type | SimpleSet | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|-------------------------------------|-----------|---------|------------------|----------------|----------------|------------|---------|--------------|
| | | | W | A | V | | | |
| CertaDrive 6W 0.15A 40V LPF I 230V | No | I88 | 6 | 0.15 | 32-40 | 88x39x32 | No | 929001411780 |
| CertaDrive 8W 0.2A 40V LPF I 230V | No | I88 | 8 | 0.2 | 32-40 | 88x39x32 | No | 929001409980 |
| CertaDrive 10W 0.25A 40V LPF I 230V | No | I88 | 10 | 0.25 | 32-40 | 88x39x22 | No | 929001410006 |
| CertaDrive 12W 0.3A 40V LPF I 230V | No | I88 | 12 | 0.3 | 32-40 | 88x39x22 | No | 929001409506 |
| CertaDrive 14W 0.35A 40V LPF I 230V | No | I115 | 14 | 0.35 | 30-40 | 115x45x29 | No | 929001480480 |
| CertaDrive 16W 0.4A 40V LPF I 230V | No | I115 | 16 | 0.4 | 30-40 | 115x45x29 | No | 929001480580 |
| CertaDrive 18W 0.45A 40V LPF I 230V | No | I115 | 18 | 0.45 | 30-40 | 115x45x29 | No | 929001480680 |
| CertaDrive 20W 0.5A 40V LPF I 230V | No | I115 | 20 | 0.5 | 30-40 | 115x45x29 | No | 929001480780 |



Indoor Linear Drivers

Xitanium and CertaDrive LED Drivers make up a complete portfolio of LED Drivers to support project and high volume trade LED luminaires businesses.

Portfolio

| Indoor Linear Drivers | Dimming | | Basic features and performances | | |
|-----------------------|----------|-------|---------------------------------|---------------------------------|-------------------------|
| | DALI Dim | 1-10V | MultiOne Programmable | Adjustable Output Current (AOC) | Driver lifetime (hours) |
| S Statement | Yes | No | Yes | Yes | 100,000 |
| P Performance | No | Yes | No | Yes | 100,000 |
| C Core | No | No | No | No | 50,000-100,000 |
| E Entry | No | No | No | No | 30,000-50,000 |



Xitanium Programmable

Linear

Xitanium LED drivers are designed to operate LED solutions for professional general lighting applications, with non-isolated and isolated drivers to support HV and LV linear systems. Flexibility in luminaire design is assured thanks to an adjustable output current. Application-oriented operating windows offer the flexibility required to provide the stable lumen output and light quality levels that lighting specifiers and architects demand. Reliability is enhanced by specific features that protect the connected LED module, e.g. hot wiring, reduced ripple current and thermal de-rating. With Xitanium programmable indoor linear drivers, it supports light point management and is programmable for all your needs.

Features

- DALI dimming and programmable
- Isolated (low voltage) and non-isolated (high voltage) versions available
- Operating windows - output current can be adjusted via SimpleSet and the Philips MultiOne Configurator (for all TD Drivers) or with a resistor outside the driver
- Reduced ripple current and thermal de-rating for increased reliability
- iXt LED-Drivers have a Longer life time (100khrs), improved surge and burst (4kV) and Tambient (-40°C to +60°C) specifications
- Central DC operation supported
- Low profile, height down to 11mm for non-isolated drivers

Benefits

- High voltage systems for up to 95% high efficiency, lowest cost and smallest dimensions
- Low voltage systems involve simpler approbation process and ease of design-in
- High reliability underpinned by 5 year warranty
- Future-proof flexibility – application-oriented operating windows enable LED generation and complexity management
- Compatibility – adjustable output current enables operation of various LED solutions from different manufacturers or OEM own designs
- Low ripple for camera and scanner friendly operation

- More robust LED Drivers for industry applications
- Flicker and noise free dimming with all Touch and DALI LED Drivers due to amplitude dimming (AM)
- Low profile drivers enabling greater luminaire design freedom

Applications

- Office
- Industry
- Retail
- Public buildings (airports, cinemas, theatres, exhibition halls), distribution centers and shopping malls



Product specifications

| Product type | Isolate | Output power | Output voltage | Uout max | Dimensions | Dimming | Adjustable output current | Order code |
|------------------------------------------|---------|--------------|----------------|----------|---------------|------------------|-----------------------------|--------------|
| | | W | V | V | | | | |
| Xitanium 300W 0.5-1.4A 300V iXt TD 230V | No | 85-300 | 100-300 | 330 | 360 x 50 x 28 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001608406 |
| Xitanium 150W 0.2-0.7A 300V iXt TD 230V | No | 43-150 | 100-300 | 330 | 360 x 30 x 21 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001516506 |
| Xitanium 100W 0.15-0.5A 300V iXt TD 230V | No | 28-100 | 100-300 | 330 | 360 x 30 x 21 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001516406 |
| Xitanium 60W 0.15-0.50A 220V TD11 230V | No | 17-60 | 50-220 | 250 | 280 x 30 x 11 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001627606 |
| Xitanium 35W 0.08-0.35A 220V TD11 230V | No | 10-35 | 50-220 | 250 | 280 x 30 x 11 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001627706 |
| Xitanium 100W 0.25-0.7A 220V TD16 230V | No | 28-100 | 50-220 | 250 | 360 x 30 x 16 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001547306 |
| Xitanium 60W 0.08-0.35A 220V TD16 230V | No | 17-60 | 50-220 | 250 | 280 x 30 x 16 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001547206 |
| Xitanium 60W 0.08-0.35A 300V TD16 230V | No | 17-60 | 100-300 | 330 | 280 x 30 x 16 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929000993206 |
| Xitanium 35W 0.08-0.35A 150V TD16 230V | No | 10-35 | 50-150 | 180 | 280 x 30 x 16 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929000993106 |
| Xitanium 75W 0.7-2A 54V TD 230V | Yes | 21-75 | 27-54 | 60 | 360 x 30 x 21 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001503706 |
| Xitanium 36W 0.3-1A 54V TD 230V | Yes | 10-36 | 27-54 | 60 | 360 x 30 x 21 | Dali & Touch Dim | MultiOne, SimpleSet, LEDSet | 929001503606 |

Xitanium Adjustable Output Current

Linear

Xitanium LED Drivers are designed to operate LED solutions for professional general lighting applications, with non-isolated and isolated drivers to support HV and LV linear systems. With Xitanium LED Drivers, flexibility in luminaire design is assured thanks to an adjustable output current. Application-oriented operating windows offer the flexibility required to provide the stable lumen output and light quality levels that lighting specifiers and architects demand. Reliability is enhanced by specific features that protect the connected LED Module, e.g. hot wiring, reduced ripple current and thermal de-rating.

Features

- Multiple versions – 1-10V dimmable and fixed output, non-isolated and isolated available
- Adjustable Output Current via a resistor outside the driver or SimpleSet tools
- Reduced ripple current and thermal de-rating for increased reliability
- iXt LED-Drivers have a Longer life time (100khrs), improved surge and burst (4kV) and Tambient (-40°C to +60°C) specifications
- Central DC operation supported
- Low profile, height down to 16mm for non-isolated drivers

Benefits

- High voltage systems for up to 95% high efficiency, lowest cost and smallest dimensions
- Low voltage systems involve simpler approbation process and ease of design-in
- High reliability underpinned by 5 year warranty
- Future-proof flexibility – application-oriented operating windows enable LED generation and complexity management
- Low ripple for camera and scanner friendly operation

- Compatibility – adjustable output current enables operation of various LED solutions from different manufacturers or OEM own designs
- Low profile drivers enabling greater luminaire design freedom

Applications

- Office
- Industry
- Retail
- Public buildings (airports, cinemas, theatres, exhibition halls), distribution centers and shopping malls



Product specifications

| Product type | Isolate | Output power | Output voltage | Uout max | Dimensions | Dimming | Adjustable output current | Order code |
|----------------------------------------|---------|--------------|----------------|----------|-----------------|---------|---------------------------|--------------|
| | | W | V | V | | | | |
| Xitanium 150W 0.2-0.7A 300V 230V iXt | No | 43-150 | 100-300 | 330 | 360 x 30 x 21 | No | SimpleSet, LEDSet | 929001506706 |
| Xitanium 100W 0.15-0.5A 300V 230V iXt | No | 28-100 | 100-300 | 330 | 360 x 30 x 21 | No | SimpleSet, LEDSet | 929001506606 |
| Xitanium 75W 0.12-0.4A 220V 1-10V 230V | No | 21-75 | 100-220 | 250 | 280 x 30 x 21 | 1-10V | LEDSet | 929000953706 |
| Xitanium 36W 0.12-0.4A 115V 1-10V 230V | No | 10-36 | 50-115 | 170 | 280 x 30 x 21 | 1-10V | LEDSet | 929000953606 |
| Xitanium 75W 0.12-0.4A 220V 230V | No | 21-75 | 100-220 | 330 | 280 x 30 x 21 | No | LEDSet | 929000950706 |
| Xitanium 36W 0.12-0.4A 115V 230V | No | 10-36 | 50-115 | 330 | 280 x 30 x 21 | No | LEDSet | 929000950606 |
| Xitanium 100W 0.25-0.7A 220V S 230V | No | 28-100 | 50-220 | 250 | 360 x 30 x 21 | No | SimpleSet | 929001529506 |
| Xitanium 60W 0.08-0.35A 220V S/16 230V | No | 17-60 | 50-220 | 250 | 280 x 30 x 16 | No | SimpleSet | 929001557506 |
| Xitanium 60W 0.08-0.35A 300V S/16 230V | No | 17-60 | 100-300 | 330 | 280 x 30 x 16 | No | SimpleSet | 929001557406 |
| Xitanium 35W 0.08-0.35A 150V S/16 230V | No | 10-35 | 50-150 | 250 | 280 x 30 x 16 | No | SimpleSet | 929001557306 |
| Xitanium 75W 0.7-2A 54V 1-10V 230V | Yes | 21-75 | 27-54 | 60 | 424 x 30 x 26.5 | 1-10V | LEDSet | 929000863503 |
| Xitanium 36W 0.3-1A 54V 1-10V 230V | Yes | 10-36 | 27-54 | 60 | 360 x 30 x 26.5 | 1-10V | LEDSet | 929000854003 |
| Xitanium 65W 0.5-1.4A 54V S 230V | Yes | 18.5-65 | 27-54 | 60 | 360 x 30 x 21 | No | SimpleSet, LEDSet | 929001571506 |
| Xitanium 36W 0.3-1.05A 54V S 230V | Yes | 10-36 | 27-54 | 60 | 360 x 30 x 21 | No | SimpleSet, LEDSet | 929001571406 |
| Xitanium 75W 0.7-2A 54V 230V | Yes | 21-75 | 27-54 | 60 | 360 x 30 x 21 | No | LEDSet | 929000958806 |
| Xitanium 36W 0.3-1A 54V 230V | Yes | 10-36 | 27-54 | 60 | 360 x 30 x 21 | No | LEDSet | 929000958706 |

Xitanium Single Current

Linear

Xitanium LED Drivers with single current output offer industry leading performance and reliability at optimized cost. They are ideal for high volume applications where performance specification is key. These drivers guarantee OEM makers Xitanium performance and Philips reliability but with standard current settings.

Features

- Low output current tolerance
- High efficiency
- Small dimensions
- Reduced ripple currents
- Specific current and voltage
- 50,000 to 100,000 hours long lifetime
- Low profile, height down to 13mm for isolated drivers

Benefits

- High voltage systems for highest efficiency and lowest cost
- Low voltage systems involve simpler approbation process and ease of design-in
- High reliability underpinned by 5 year warranty
- Easy design-in with specific output current settings
- Low profile drivers enabling greater luminaire design freedom
- Low ripple for camera and video friendly operation

Applications

- Office
- Industry
- Retail
- Public buildings (airports, cinemas, theatres, exhibition halls), distribution centers and shopping malls



Product specifications

| Product type | Isolate | Output power | Output voltage | Uout max | Dimensions | Dimming | Order code |
|-------------------------------------|---------|--------------|----------------|----------|-----------------|---------|--------------|
| | | W | V | V | | | |
| Xitanium 44W 0.9/1.05A 42V 13 230V | Yes | 27-44 | 30-42 | 60 | 250 x 48.6 x13 | No | 929001425480 |
| Xitanium 25W 0.5/0.6A 42V 13 230V | Yes | 15-25.2 | 30-42 | 60 | 250 x 48.6 x 13 | No | 929001425380 |
| Xitanium 59W 1.2/1.4A 42V 230V | Yes | 32.4-58.8 | 27-42 | 60 | 280 x 30 x 21 | No | 929001420180 |
| Xitanium 57W 0.9/1.05A 54V 230V | Yes | 24.3-56.7 | 27-54 | 70 | 280 x 30 x 21 | No | 929001420080 |
| Xitanium 38W 0.6/0.7A 54V 230V | Yes | 19.2-37.8 | 32-54 | 70 | 280 x 30 x 21 | No | 929001419880 |
| Xitanium 29W 0.5/0.7A 42V 230V | Yes | 13.5-29.4 | 27-42 | 60 | 280 x 30 x 21 | No | 929001419780 |
| Xitanium 30W 0.7A 42V 1-10V 230V I | Yes | 21-29.4 | 30-42 | 60 | 195x41x31 | Yes | 929001486280 |
| Xitanium 34W 0.8A 42V 1-10V 230V I | Yes | 24-33.6 | 30-42 | 60 | 195x41x31 | Yes | 929001486380 |
| Xitanium 38W 0.9A 42V 1-10V 230V I | Yes | 27-37.8 | 30-42 | 60 | 195x41x31 | Yes | 929001486480 |
| Xitanium 44W 1.05A 42V 1-10V 230V I | Yes | 31.5-44 | 30-42 | 60 | 195x41x31 | Yes | 929001486580 |

CertaDrive Single Current

Linear

CertaDrive LED Drivers are designed to fulfill the market needs for essential lighting. They are therefore ideal for high volume applications and can be used with CertaFlux LED Modules, or other LED light engines. These drivers offer basic specifications such as specific current and voltage settings, with lifetime of the driver set up to 50,000 hours.

Features

- High efficiency
- Small dimensions
- Specific current and voltage
- Fast time-to-market
- 30,000 to 50,000 hours lifetime

Benefits

- High voltage systems for high efficiency, lowest cost and small dimensions
- Low voltage systems involve simpler approbation process and ease of design-in
- Various power/wattage combination which is easy to design
- Low profile drivers enabling greater luminaire design freedom
- Optimized to operate CertaFlux LED Modules
- 3 years warranty

Applications

- Recessed, surface and suspended luminaires in offices
- Waterproof luminaires and high bay luminaires for industry applications
- Trunking in retail applications



Product specifications

| Product type | Isolate | Output power | Output voltage | Uout max | Dimensions | Dimming | Order code |
|---------------------------------|---------|--------------|----------------|----------|---------------|---------|--------------|
| | | W | V | V | | | |
| CertaDrive 60W 300mA 200V 230V | No | 44-60 | 145-200 | 340 | 210 x 30 x 21 | No | 929000970006 |
| CertaDrive 60W 360mA 170V 230V | No | 43-61 | 120-170 | 340 | 210 x 30 x 21 | No | 929000975006 |
| CertaDrive 40W 360mA 110V 230V | No | 29-42 | 91-110 | 300 | 210 x 30 x 21 | No | 929000974906 |
| CertaDrive 40W 240mA 160V 230V | No | 28-38 | 116-160 | 340 | 210 x 30 x 21 | No | 929000934906 |
| CertaDrive 30W 330mA 82V 230V | No | 20-28 | 72-82 | 300 | 210 x 30 x 21 | No | 929000974806 |
| CertaDrive 30W 350mA 82V 230V | No | 20-29 | 57-82 | 340 | 210 x 30 x 21 | No | 929000934806 |
| CertaDrive 44W 0.32A 137V 230V | No | 30-44 | 92-137 | 310 | 210 x 30 x 21 | No | 929001598706 |
| CertaDrive 30W 0.29A 102V 230V | No | 20-30 | 68-102 | 310 | 210 x 30 x 21 | No | 929001598606 |
| CertaDrive 30W 0.4A 80V 230V | No | 22-30 | 51-82 | 400 | 138 x 25 x 22 | No | 929001409780 |
| CertaDrive 15W 0.4A 36V 230V | No | 13-15 | 30-42 | 400 | 138 x 25 x 22 | No | 929001409880 |
| CertaDrive 65W 1.4A 46.5V 230V | Yes | 44.8-65 | 32-46.5 | 70 | 280 x 30 x 21 | No | 929001417280 |
| CertaDrive 57W 1.05A 54V 230V | Yes | 33.6-57 | 32-54 | 70 | 280 x 30 x 21 | No | 929001417180 |
| CertaDrive 44W 1.05A 42V 230V | Yes | 28.4-44 | 27-42 | 60 | 280 x 30 x 21 | No | 929001410880 |
| CertaDrive 40W 0.9A 44V 230V | Yes | 26-40 | 29-44 | 60 | 280 x 30 x 21 | No | 929001410980 |
| CertaDrive 38W 0.7A 54V 230V | Yes | 20-38 | 29-54 | 60 | 280 x 30 x 21 | No | 929001411080 |
| CertaDrive 27W 0.5A 54V 230V | Yes | 18-27 | 36-54 | 60 | 280 x 30 x 21 | No | 929001411280 |
| CertaDrive 26W 0.6A 44V 230V | Yes | 17.4-26.4 | 29-44 | 60 | 280 x 30 x 21 | No | 929001411380 |
| CertaDrive 44W 1.05A 42V 230V I | Yes | 33.6-44 | 32-42 | 60 | 195 x 41 x 31 | No | 929001416380 |
| CertaDrive 38W 0.9A 42V 230V I | Yes | 28.8-38 | 32-42 | 60 | 195 x 41 x 31 | No | 929001416280 |
| CertaDrive 34W 0.8A 42V 230V I | Yes | 25.6-34 | 32-42 | 60 | 195 x 41 x 31 | No | 929001416180 |
| CertaDrive 30W 0.7A 42V 230V I | Yes | 22.4-30 | 32-42 | 60 | 195 x 41 x 31 | No | 929001416080 |



LED Transformer

Portfolio

| Constant Voltage | Dimming | | | Basic features and performances | |
|--------------------|----------|-------|----------------|---------------------------------|------------------------------|
| | DALI Dim | 1-10V | Phase cut | Adjustable Output Power | Transformer lifetime (hours) |
| Performance | No | No | Yes (75W/150W) | PWM (75W/150W) | 30,000 |
| Mainstream | No | No | No | - | 20,000 |



Performance

Transformer

LED Transformer range are designed to replace switching power supply (non lighting standard product) in matching constant voltage LED Strips in indoor application, therefore upgrade total lighting quality.

Dimmable LED Transformer range are designed to meet the market needs for dimming in specific application

Features

- High frequency
- Compact size
- SELV compliant
- Safety protections including overload protection and short circuit protection
- Lifetime 30,000 hours
- Phase cut dimming function for 75W & 150W

Benefits

- Optimal performance thanks to the dedicated LED solution
- Safe operation
- Installation friendly, Class II and independent
- 3 years warranty
- CCC, CE, CB certificate

Applications

- Hotel, Partially light the space, Living rooms, Corridors
- Retail & Shopping Mall, Cabinet or shelf lighting
- Restaurant, Enhance the ambience, create the mood
- Decoration, Create space and layers, light sculpture



Product specifications

| Product type | Isolate | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|-------------------------------------|---------|---------|------------------|----------------|----------------|---------------|-----------|--------------|
| | | | W | A | V | | | |
| LED Transformer 60W 24VDC | Yes | Plastic | 60 | 0.75-2.5 | 22.8-25.2 | 180 x 52 x 30 | No | 913710032267 |
| LED Transformer 120W 24VDC | Yes | Plastic | 120 | 1.5-5 | 22.8-25.2 | 300 x 40 x 30 | No | 913710032567 |
| Dimmable LED Transformer 75W 24VDC | Yes | Metal | 75 | 0.938-3.125 | 22.8-25.2 | 213 x 54 x 33 | Phase cut | 913710033880 |
| Dimmable LED Transformer 150W 24VDC | Yes | Metal | 150 | 1.875-6.25 | 22.8-25.2 | 300 x 60 x 45 | Phase cut | 913710033980 |

Mainstream

Transformer

Economic range LED Transformer range are designed to replace switching power supply (non lighting standard product) in matching constant voltage LED Strips in indoor application, therefore upgrade total lighting quality.

Features

- High frequency
- Compact size
- SELV compliant
- Safety protections including overload protection and short circuit protection
- Lifetime 20,000 hours

Benefits

- Optimal performance thanks to the dedicated LED solution
- Safe operation
- Installation friendly, Class II
- 2 years warranty
- CCC, CE, CB certificate

Applications

- Hotel, Partially light the space, Living rooms, Corridors
- Retail & Shopping Mall, Cabinet or shelf lighting
- Restaurant, Enhance the ambience, create the mood
- Decoration, Create space and layers, light sculpture



Product specifications

| Product type | Housing | Max output power | Output current | Output voltage | Dimensions | Dimming | Order code |
|-------------------------------------|---------|------------------|----------------|----------------|---------------|---------|--------------|
| | | W | A | V | | | |
| Economic LED Transformer 30W 24VDC | Plastic | 30 | 0.375-1.25 | 22.8-25.2 | 150 x 40 x 28 | No | 913710033080 |
| Economic LED Transformer 60W 24VDC | Plastic | 60 | 0.75-2.5 | 22.8-25.2 | 211 x 40 x 32 | No | 913710033180 |
| Economic LED Transformer 120W 24VDC | Plastic | 120 | 1.5-5 | 22.8-25.2 | 280 x 40 x 34 | No | 913710033680 |
| Economic LED Transformer 180W 24VDC | Plastic | 180 | 2-7.5 | 22.8-25.2 | 300 x 50 x 35 | No | 913710033780 |



MultiOne configurator

The demands from customers for flexibility and diversity are fast increasing in multi-folds. This is the reason why Philips has introduced simplified tools which allow you to easily configure your drivers for ease of use.

The universal Philips MultiOne configurator is a tool you can use with any Philips programmable driver and configure the functions in your lighting solutions for any application. It has become a must-have in all applications where the lighting system needs to match specific requirements.

Features

- For use with all Philips LED, fluorescent and HID programmable drivers
- Suitable for standard Windows computers with USB connection
- Different interfaces depending on the installation
- Enables optimization of installation, last minute changes, easy diagnostics and maintenance

Benefits

- One tool for all Philips configurable drivers, both for conventional and LED Systems
- Flexibility for OEM providing access to the features built into the driver
- Optimized for use in the production process
- Unique tool that combines configuration with diagnostics

Applications

- General lighting
- Retail lighting
- Outdoor lighting
- Office lighting

The MultiOne configurator consists of two building blocks

1 MultiOne Interface tool



LCN8600/00 MultiOne Interface USB2DALI

The interface that can be used with the MultiOne PC software to commission, configure, diagnose drivers via the DALI Interface.



LCN9610 or LCN9620 MultiOne SimpleSet Interface

The tools can be used with the MultiOne PC software to configure drivers wireless using SimpleSet® Technology.

Product specifications

| Product type | Order code |
|------------------------------------------|----------------|
| LCN8600/00 MultiOne Interface USB2DALI | 9137 003 46703 |
| LCN8650/10 MultiOne Interface USB2ZigBee | 9137 003 59203 |
| LCN 9610 MultiOne Interface SimpleSet® | 9290 009 99400 |
| LCN 9620 MultiOne Interface SimpleSet® | 9290 009 99500 |

2 MultiOne Software

Supporting MultiOne Software

to be installed on a PC, laptop or production work station.

System requirements:

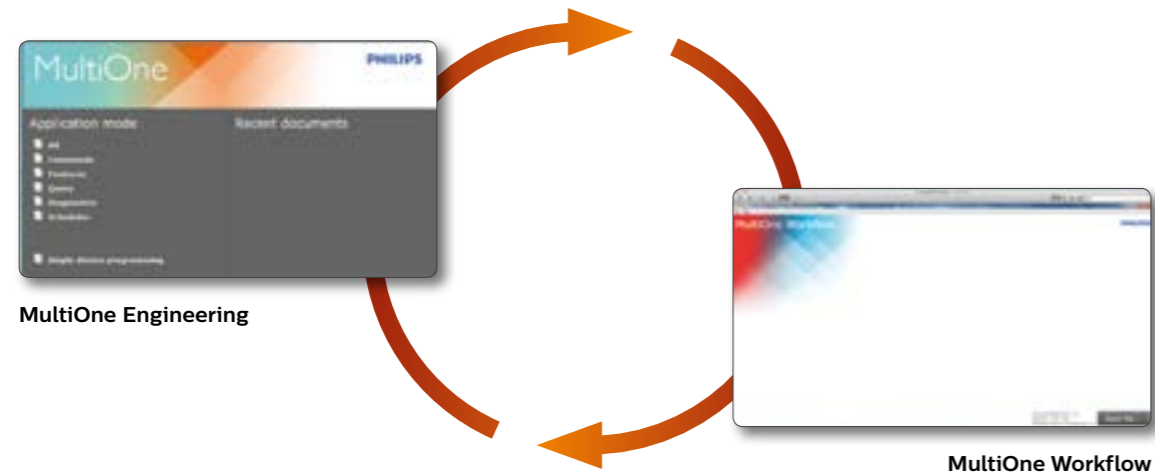
- Windows PC or laptop
- Microsoft windows 7, 8.0, 8.1 (support of Windows XP will stop in end 2015)
- USB 2.0 ports (Two free ports preferred)
- Min 35 MB of free disk space
- Microsoft .NET Framework 3.5 SP1

Free download

Find out more about MultiOne software via www.philips.com/multiOne

Philips MultiOne configurator

All programmable Outdoor, Indoor (Linear and Point) LED Systems can be configured with the MultiOne configurator. Also all existing programmable conventional Philips Systems, HID and FLUO can be configured with the same tool. Using the unique tool along with the installation of the software makes flexibility comes alive, providing you with access to all featured built in within the driver.



The MultiOne configurator software is free and downloadable from our website. It consists of:

1. MultiOne Engineering

Specially developed to access all functionalities of the driver; to configure, diagnose and prepare the configuration file for the production environment.

Also includes:

- DALI commands, scheduler
- SimpleSet®

2. MultiOne Workflow

Developed to configure all devices or subassemblies in the production environment in a simple and quick way.

Depending on the type of driver, a combination of features can be configured. With these features, one can create diversity (e.g. Adjustable Light Output and Adjustable Output Current), but also extra security (e.g. Module temperature protection and DC emergency), including costdown improvements (e.g. Constant light output, Dynadimmer and Corridor mode).

Detailed explanations of each feature and how to configure, are available in the instruction manual on our website.

www.philips.com/MultiOne

| Configurable device features |
|-------------------------------|
| Active cooling |
| Module temperature protection |
| DC emergency |
| End of life indication |
| Light source operating hours |
| Energy meter |
| Lamp burn-in |
| Lamp selection |
| Quick lamp start |
| Adjustable output current |
| Adjustable light output |
| Adjustable startup time |
| Constant light output |
| Constant light output Lite |
| Dimming interface |
| 1-10 V dim level |
| AmpDim |
| LumiStep |
| LineSwitch |
| Touch and dim |
| Min dim level |
| Dynadimmer |
| Dynadimmer Lite |
| Corridor mode |



LED Lamps

LED spot

| | |
|--------------------------------------|-----|
| Master LED MR16 ExpertColor | 154 |
| Master LED MR16 | 156 |
| Master LED MR11 | 158 |
| New! High Lumen MR16 | 159 |
| Master LED GU10 & Essential LED GU10 | 160 |
| Master LED AR111 | 162 |
| Master LED PAR & Essential LED PAR | 163 |
| High Lumen PAR30L | 164 |
| New! LED Capsules | 165 |

LED tube

| | |
|----------------------------------|-----|
| New! Master LEDtube | 168 |
| New! Essential LEDtube T8 | 169 |
| New! Essential LEDtube T5 | 169 |
| New! LED PLC | 170 |
| New! Sensor LEDtube | 171 |

LED candle and lustre

| | |
|--------------------------|-----|
| Master LEDcandle DimTone | 174 |
| Master LEDlustre DimTone | 175 |

LED HID

| | |
|----------------------------------|-----|
| TrueForce LED HighBay | 178 |
| New! TrueForce LED Public | 179 |
| New! TrueForce LED Road | 180 |

LED bulb

| | |
|-----------------------------------|-----|
| MyCare LED bulb | 184 |
| New! WarmGlow Dim Bulb | 185 |
| New! Philips LEDstick | 186 |
| Master LEDBulb Dimtone | 187 |
| LED Deco Classic | 188 |
| New! Scene Switch LED bulb | 190 |
| High Lumen LEDBulb | 191 |
| LED Deco Classic | 192 |

LED spot

Light quality and reliability is vital for hospitality, retail segment. Quality light provides right ambience and light effect needed for space. Low maintenance means lowered operating costs and no business disruption, making sure customers are happy and keep coming back.



Master LED MR16 ExpertColor

Spot

Master ExpertColor LED MR16 creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customized spectrum, high CRI, and deep dimming feature. The result? A beautiful lighting experience. The innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. The Master ExpertColor LED MR16 is well designed and robust, offering a variety of beam angles to manage a clearly defined beam spread suitable across various applications. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers

Features

- Customized color spectrum replicates halogen light color
- Deep and smooth dimming
- Best-in-class color realization, CRI97
- Innovative, trimless design with V-groove lens
- Lifetime of 40,000 hours

Benefits

- Warm, comfortable ambience
- Dim to the right level
- Furnishings and fabrics look great
- creates integrated look with minimal design to suit every application
- Efficient and sustainable, up to 85% energy savings compared to halogen lamp
- Broad compatibility with transformers
- Hassle-free retrofit solution, Retrofits into vast majority of GU5.3 based fixtures & E210 based fixtures

Applications

- Hospitality: hotel guest room, corridors, lobby, reception area, restaurants, bars, cafes
- Home: living room, bedrooms, hall way
- Retail: exhibitions, display cabinets, shops, dressing rooms
- Perfect for hospitality suites and guest rooms requiring adjustable settings



Product specifications

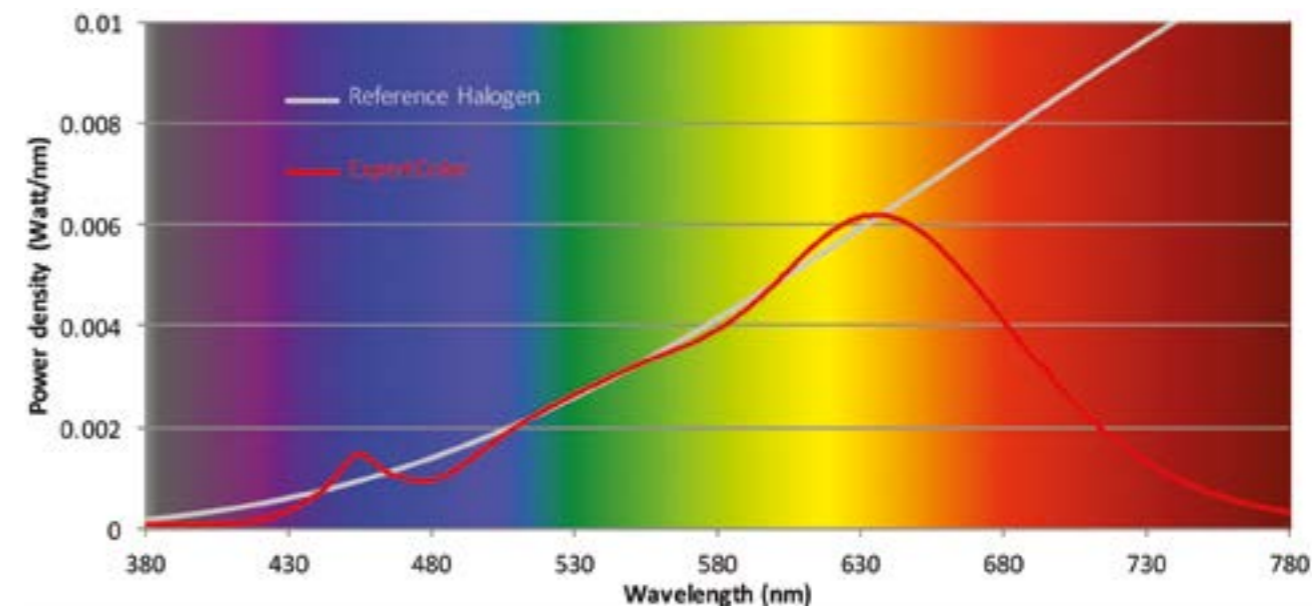
| Product type | Power wattage | Replaced wattage | Base | Beam angle | Lumen | Color temp. | Intensity | Lifetime | CRI | Voltage | Dimming | Order code |
|-------------------------------------------|---------------|------------------|-------|------------|-------|-------------|-----------|----------|-----|---------|---------|--------------|
| | W | W | | (°) | lm | K | Cd | Hours | Ra | V | | 12NC |
| MAS LED MR16 ExpertColor 7.2-50W 927 10D | 7.2 | 50 | GU5.3 | 10 | 450 | 2700 | 4500 | 40000 | 97 | 12 | Yes | 929001241908 |
| MAS LED MR16 ExpertColor 7.2-50W 930 10D | 7.2 | 50 | GU5.3 | 10 | 480 | 3000 | 5000 | 40000 | 97 | 12 | Yes | 929001242008 |
| MAS LED MR16 ExpertColor 7.2-50W 940 10D | 7.2 | 50 | GU5.3 | 10 | 480 | 4000 | 5000 | 40000 | 97 | 12 | Yes | 929001242108 |
| MAS LED MR16 ExpertColor 7.2-50W 927 24D | 7.2 | 50 | GU5.3 | 24 | 450 | 2700 | 2200 | 40000 | 97 | 12 | Yes | 929001242208 |
| MAS LED MR16 ExpertColor 7.2-50W 930 24D | 7.2 | 50 | GU5.3 | 24 | 480 | 3000 | 2400 | 40000 | 97 | 12 | Yes | 929001242308 |
| MAS LED MR16 ExpertColor 7.2-50W 940 24D | 7.2 | 50 | GU5.3 | 24 | 480 | 4000 | 2400 | 40000 | 97 | 12 | Yes | 929001242408 |
| MAS LED MR16 ExpertColor 7.2-50W 927 36D | 7.2 | 50 | GU5.3 | 36 | 450 | 2700 | 1350 | 40000 | 97 | 12 | Yes | 929001242508 |
| MAS LED MR16 ExpertColor 7.2-50W 930 36D | 7.2 | 50 | GU5.3 | 36 | 480 | 3000 | 1450 | 40000 | 97 | 12 | Yes | 929001242608 |
| MAS LED MR16 ExpertColor 7.2-50W 940 36D | 7.2 | 50 | GU5.3 | 36 | 480 | 4000 | 1450 | 40000 | 97 | 12 | Yes | 929001242708 |
| MAS LED MR16 ExpertColor 7.2-50W 927 60D | 7.2 | 50 | GU5.3 | 60 | 450 | 2700 | 410 | 40000 | 97 | 12 | Yes | 929001341408 |
| MAS LED MR16 ExpertColor 7.2-50W 930 60D | 7.2 | 50 | GU5.3 | 60 | 480 | 3000 | 440 | 40000 | 97 | 12 | Yes | 929001341508 |
| MAS LED MR16 ExpertColor 7.2-50W 940 60D | 7.2 | 50 | GU5.3 | 60 | 480 | 4000 | 440 | 40000 | 97 | 12 | Yes | 929001341608 |
| MAS MR16 ExpertColor 7.2-50W 927 10D EZ10 | 7.2 | 50 | EZ10 | 10 | 450 | 2700 | 4500 | 40000 | 97 | 12 | Yes | 929001302318 |
| MAS MR16 ExpertColor 7.2-50W 930 10D EZ10 | 7.2 | 50 | EZ10 | 10 | 480 | 3000 | 5000 | 40000 | 97 | 12 | Yes | 929001302418 |
| MAS MR16 ExpertColor 7.2-50W 940 10D EZ10 | 7.2 | 50 | EZ10 | 10 | 480 | 4000 | 5000 | 40000 | 97 | 12 | Yes | 929001302518 |
| MAS MR16 ExpertColor 7.2-50W 927 24D EZ10 | 7.2 | 50 | EZ10 | 24 | 450 | 2700 | 2200 | 40000 | 97 | 12 | Yes | 929001302618 |
| MAS MR16 ExpertColor 7.2-50W 930 24D EZ10 | 7.2 | 50 | EZ10 | 24 | 480 | 3000 | 2400 | 40000 | 97 | 12 | Yes | 929001302718 |
| MAS MR16 ExpertColor 7.2-50W 940 24D EZ10 | 7.2 | 50 | EZ10 | 24 | 480 | 4000 | 2400 | 40000 | 97 | 12 | Yes | 929001302818 |
| MAS MR16 ExpertColor 7.2-50W 927 36D EZ10 | 7.2 | 50 | EZ10 | 36 | 450 | 2700 | 1350 | 40000 | 97 | 12 | Yes | 929001302918 |
| MAS MR16 ExpertColor 7.2-50W 930 36D EZ10 | 7.2 | 50 | EZ10 | 36 | 480 | 3000 | 1450 | 40000 | 97 | 12 | Yes | 929001303018 |
| MAS MR16 ExpertColor 7.2-50W 940 36D EZ10 | 7.2 | 50 | EZ10 | 36 | 480 | 4000 | 1450 | 40000 | 97 | 12 | Yes | 929001303118 |

ExpertColor

Experience perfect color with our new LED technology

The ExpertColor technology offers superb light quality with **best-inclass color realization**. The advanced phosphor technology provides high color fidelity with a **color rendering index of 97**, enhanced rendering of reds (**R9 >85**). So you can bring out the true colors in furnishings and interior decors to add even more appeal.

MASTER LED MR16 ExpertColor features an optimized light spectrum to create a warm ambience that until now was only possible with traditional halogen lamps.



ExpertColor replicates halogen light color. ExpertColor offers **93.9%** close to halogen light color, standard LED offers around 60%.

Master LED MR16

Spot

Delivering intense accent beam, MASTER LED MR16 is an ideal retrofit solution for spot light. Thanks to its high CRI, it realize more natural colors, enabling cozy and comfortable ambience for residential, hospitality and emphasize the beauty of merchandise in retail. MASTER LED MR16 is compatible with most existing fixtures with a MR16 GU 5.3 holder and designed as a retrofit replacement for halogen or incandescent spots. Not only it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. MASTER LED MR16 delivers huge energy savings and minimizes maintenance cost without any compromise on brightness, enabling residential owners and business owners to achieve a return on their investment within short period time with its efficiency energy use and long life time. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.).

Features

- Dimmable (7W and 8W versions)
- Patented intelligent driver
- Air movement mechanism
- Lifetime of 25,000~40,000 hours
- CRI80~90

Benefits

- High intensity of beam equivalent to halogen spots
- Better color realization with high CRI value

- Clearly defined beam spread for accent lighting
- Compatible with an extensive range of transformers and smooth dimming for dimmable products
- High lumen maintenance with long lifetime
- Up to 80% energy savings compared to halogen lamp
- Can be retrofitted with low-voltage MR16 halogen lamps with GU5.3 sockets

Applications

- Ideal for accent lighting in hotels, hospitals, shops and museums (e.g. floors, elevators, displays)
- Dimmable versions are perfect for hospitality suites and guest rooms requiring adjustable settings



Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|------------------------------------|--------------|------------------|-------------|------------|-------|------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| MASTER LED 7-50W 927 MR16 10D Dim | 7 | 50 | 2700 | 10 | 500 | 5300 | 40000 | 90 | 12 | Yes | 929001879508 |
| MASTER LED 7-50W 930 MR16 10D Dim | 7 | 50 | 3000 | 10 | 500 | 5300 | 40000 | 90 | 12 | Yes | 929001879608 |
| MASTER LED 7-50W 940 MR16 10D Dim | 7 | 50 | 4000 | 10 | 530 | 5600 | 40000 | 90 | 12 | Yes | 929001879708 |
| MASTER LED 7-50W 927 MR16 24D Dim | 7 | 50 | 2700 | 24 | 500 | 2500 | 40000 | 90 | 12 | Yes | 929001879808 |
| MASTER LED 7-50W 930 MR16 24D Dim | 7 | 50 | 3000 | 24 | 500 | 2500 | 40000 | 90 | 12 | Yes | 929001879908 |
| MASTER LED 7-50W 940 MR16 24D Dim | 7 | 50 | 4000 | 24 | 530 | 2700 | 40000 | 90 | 12 | Yes | 929001880008 |
| MASTER LED 7-50W 927 MR16 36D Dim | 7 | 50 | 2700 | 36 | 500 | 1400 | 40000 | 90 | 12 | Yes | 929001880108 |
| MASTER LED 7-50W 930 MR16 36D Dim | 7 | 50 | 3000 | 36 | 500 | 1400 | 40000 | 90 | 12 | Yes | 929001880208 |
| MASTER LED 7-50W 940 MR16 36D Dim | 7 | 50 | 4000 | 36 | 530 | 1500 | 40000 | 90 | 12 | Yes | 929001880308 |
| MASTER LED 7-50W 927 MR16 60D Dim | 7 | 50 | 2700 | 60 | 500 | 500 | 40000 | 90 | 12 | Yes | 929001880408 |
| MASTER LED 7-50W 930 MR16 60D Dim | 7 | 50 | 3000 | 60 | 500 | 500 | 40000 | 90 | 12 | Yes | 929001880508 |
| MASTER LED 7-50W 940 MR16 60D Dim | 7 | 50 | 4000 | 60 | 530 | 550 | 40000 | 90 | 12 | Yes | 929001880608 |
| MASTER LED 8-50W+ 827 MR16 24D Dim | 8 | 50 | 2700 | 24 | 660 | 3100 | 40000 | 80 | 12 | Yes | 929001881308 |
| MASTER LED 8-50W+ 830 MR16 24D Dim | 8 | 50 | 3000 | 24 | 660 | 3250 | 40000 | 80 | 12 | Yes | 929001881408 |
| MASTER LED 8-50W+ 827 MR16 36D Dim | 8 | 50 | 2700 | 36 | 660 | 1700 | 40000 | 80 | 12 | Yes | 929001881608 |
| MASTER LED 8-50W+ 830 MR16 36D Dim | 8 | 50 | 3000 | 36 | 660 | 1700 | 40000 | 80 | 12 | Yes | 929001881708 |
| MASTER LED 8-50W+ 840 MR16 36D Dim | 8 | 50 | 4000 | 36 | 710 | 1800 | 40000 | 80 | 12 | Yes | 929001881808 |

Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|------------------------------------|--------------|------------------|-------------|------------|-------|------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| MASTER LED 6.5-50W 927 MR16 24D ND | 6.5 | 50 | 2700 | 24 | 470 | 2300 | 40000 | 90 | 12 | No | 929001881908 |
| MASTER LED 6.5-50W 930 MR16 24D ND | 6.5 | 50 | 3000 | 24 | 470 | 2300 | 40000 | 90 | 12 | No | 929001882008 |
| MASTER LED 6.5-50W 940 MR16 24D ND | 6.5 | 50 | 4000 | 24 | 520 | 2500 | 40000 | 90 | 12 | No | 929001882108 |
| MASTER LED 6.5-50W 927 MR16 36D ND | 6.5 | 50 | 2700 | 36 | 470 | 1400 | 40000 | 90 | 12 | No | 929001882208 |
| MASTER LED 6.5-50W 930 MR16 36D ND | 6.5 | 50 | 3000 | 36 | 470 | 1400 | 40000 | 90 | 12 | No | 929001882308 |
| MASTER LED 6.5-50W 940 MR16 36D ND | 6.5 | 50 | 4000 | 36 | 520 | 1500 | 40000 | 90 | 12 | No | 929001882408 |

Master LED MR11

Spot

Philips 12V MR11 LED lamps is the latest product in series of low voltage (12VAC), Halogen MR11 replacement.

Features

- Clearly defined beam spread
- UV and IR free light

Benefits

- Up to 80% energy savings compared to a 20W halogen MR11
- Long lifetime of 15,000-40,000 hours
- Retrofit into a vast majority of luminaires with GU4 sockets
- Good for heat sensitive objects like organic, food, leather goods, paintings

Applications

- Hospitality: hotel, restaurant, café, bar
- Retail: display cabinet, museum
- Home: kitchen, wardrobe, cabinet, etc.



Product specifications

| Product type | Power wattage | Replaced wattage | Beam angle | Lumen | Color temp. | Intensity | Lifetime | CRI | Voltage | Dimming | Order code |
|---------------------------------------|---------------|------------------|------------|-------|-------------|-----------|----------|-----|---------|---------|--------------|
| | W | W | (°) | lm | K | Cd | Hours | Ra | V | | 12NC |
| CorePro LED spot 2.3-20W 827 MR11 36D | 2.3 | 20 | 2700 | 36 | 200 | 400 | 25000 | 80 | 12 | No | 929002066402 |

High Lumen MR16

Spot

Philips high lumen LED MR16 brings out the true beauty of the merchandise by intense light with small form factor. It provides the right light to emphasize the merchandise and create bright and refreshing shopping environment. Not only its superior light quality, its innovative, trim-less V-groove lens will suit any kind of store interior without creating techy look. It is a hasslefree retrofit solution. It fits most of luminaires to make re-lamping and renovation projects as easy as possible.

Features

- High lumen output
- Strong punch effect in light beam
- Trimless design with V-groove lens
- Strong color maintenance and lumen maintenance
- Dimmable with dimmable driver use
- High efficiency with 50,000 hr lifetime
- Retrofit
- No UV and Cool Beam(no IR)

Benefits

- Emphasize merchandise display with strong intensive light
- Trimless design enables integrated look with luminaires to suit any kind of store interior style
- Strong performance of color realization and light effect stays over time
- Working with dimmable LED driver to enable dimmability
- Hassle free retrofit solution with GU5.3 luminaires
- Safe for illuminating heat-sensitive objects (food, organic materials, paintings, etc.)

Applications

- Retail stores: Fashion retail, Cosmetics retail, Jewelry
- Store's display area. Window display area, dressing
- Rooms
- Museum: display area for artworks
- Exhibition



Product specifications

| Product type | Power wattage | Base | Beam angle | Lumen | Color temp. | Intensity | Lifetime | CRI | Voltage | Dimming | Order code |
|-------------------|---------------|-------|------------|-------|-------------|-----------|----------|-----|---------|---------|--------------|
| | W | | (°) | lm | K | Cd | Hours | Ra | V | | 12NC |
| MR16 1200 827 36D | 9 | GU5.3 | 36 | 1200 | 2700 | 2300 | 50000 | 80 | 36-40 | Yes | 929001814308 |
| MR16 1200 830 36D | 9 | GU5.3 | 36 | 1200 | 3000 | 2300 | 50000 | 80 | 36-40 | Yes | 929001814408 |
| MR16 1200 840 36D | 9 | GU5.3 | 36 | 1300 | 4000 | 2500 | 50000 | 80 | 36-40 | Yes | 929001817808 |
| MR16 1000 927 36D | 10-12 | GU5.3 | 36 | 1000 | 2700 | 1900 | 50000 | 90 | 36-40 | Yes | 929001918210 |
| MR16 1000 930 36D | 10-12 | GU5.3 | 36 | 1000 | 3000 | 1900 | 50000 | 90 | 36-40 | Yes | 929001918310 |
| MR16 1000 940 36D | 10-12 | GU5.3 | 36 | 1000 | 4000 | 1900 | 50000 | 90 | 36-40 | Yes | 929001918410 |
| MR16 800 927 24D | 10-12 | GU5.3 | 24 | 800 | 2700 | 3500 | 50000 | 90 | 36-40 | Yes | 929001918510 |
| MR16 800 930 24D | 10-12 | GU5.3 | 24 | 800 | 3000 | 3500 | 50000 | 90 | 36-40 | Yes | 929001918610 |
| MR16 800 940 24D | 10-12 | GU5.3 | 24 | 800 | 4000 | 3500 | 50000 | 90 | 36-40 | Yes | 929001918710 |

* CRI90 version will be launched in 2018 Q2, final spec has not fixed yet.

Master LED GU10 & Essential LED GU10 Spot

Master LED ExpertColor GU10 creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior light quality that has a customized spectrum, high CRI, and deep dimming feature. These LEDspots has familiar look and feel of glass spot, it keeps classic beauty of glass spot and strong performance from LED technology. The innovative, trimless lens design will also suit most of interior decor style. Master LED ExpertColor GU10 is compatible with most existing fixtures with a GU10 holder and designed as a retrofit replacement for halogen GU10 lamps.

Features

- Compatible with an extensive range of dimmers
- Lifetime of 15,000 to 40,000 hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

Benefits

- Up to 80% energy savings compared to halogen lamp
- Easy retrofit
- Lower maintenance costs

Applications

- Retail
- Hospitality
- Residential/Home

Expert
Color



ExpertColor GU10



Master GU10



Essential GU10

Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|------------------------------------------|--------------|------------------|-------------|------------|-------|------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| MAS LED ExpertColor 5.5-50W GU10 927 24D | 5.5 | 50 | 2700 | 24 | 385 | 1000 | 40000 | 97 | 220-240 | Yes | 929001347008 |
| MAS LED ExpertColor 5.5-50W GU10 930 24D | 5.5 | 50 | 3000 | 24 | 405 | 1000 | 40000 | 97 | 220-240 | Yes | 929001347108 |
| MAS LED ExpertColor 5.5-50W GU10 927 36D | 5.5 | 50 | 2700 | 36 | 385 | 800 | 40000 | 97 | 220-240 | Yes | 929001347308 |
| MAS LED ExpertColor 5.5-50W GU10 930 36D | 5.5 | 50 | 3000 | 36 | 405 | 800 | 40000 | 97 | 220-240 | Yes | 929001347408 |
| Master LED 5-50W GU10 927 36D Dim | 5 | 50 | 2700 | 36 | 395 | 650 | 25000 | 90 | 220-240 | Yes | 929001348808 |
| Master LED 5-50W GU10 930 36D Dim | 5 | 50 | 3000 | 36 | 405 | 650 | 25000 | 90 | 220-240 | Yes | 929001348908 |
| Master LED 5-50W GU10 940 36D Dim | 5 | 50 | 4000 | 36 | 420 | 700 | 25000 | 90 | 220-240 | Yes | 929001349008 |
| Essential LED 4.6-50W GU10 827 36D | 4.6 | 50 | 2700 | 36 | 395 | 700 | 15000 | 80 | 220-240 | No | 929001215208 |
| Essential LED 4.6-50W GU10 830 36D | 4.6 | 50 | 3000 | 36 | / | 740 | 15000 | 80 | 220-240 | No | 929001218108 |
| Essential LED 4.6-50W GU10 865 36D | 4.6 | 50 | 6500 | 36 | 430 | 770 | 15000 | 80 | 220-240 | No | 929001218308 |
| MAS LED spot VLE D 7.5-80W GU10 830 36D | 7.5 | 80 | 3000 | 36 | 650 | 800 | 25000 | 90 | 220-240 | Yes | 929002068402 |
| MAS LED spot VLE D 7.5-80W GU10 840 36D | 7.5 | 80 | 4000 | 36 | 680 | 800 | 25000 | 90 | 220-240 | Yes | 929002066002 |
| MAS LED spot VLE D 7.5-80W GU10 865 36D | 7.5 | 80 | 6500 | 36 | 680 | 800 | 25000 | 90 | 220-240 | Yes | 929002209902 |
| MAS LED spot VLE D 7.5-80W GU10 830 120D | 7.5 | 80 | 3000 | 120 | 650 | 800 | 25000 | 90 | 220-240 | Yes | 929002210002 |
| MAS LED spot VLE D 7.5-80W GU10 840 120D | 7.5 | 80 | 4000 | 120 | 680 | 800 | 25000 | 90 | 220-240 | Yes | 929002210102 |
| MAS LED spot VLE D 7.5-80W GU10 865 120D | 7.5 | 80 | 6500 | 120 | 680 | 800 | 25000 | 90 | 220-240 | Yes | 929002210202 |



Master LED AR111

Spot

With its new Perfect-fit design, the Philips LED AR111 now works with most luminaires in the market as a true retrofit. The lamp creates a brilliant visual effect for retail and hospitality applications like shops, showrooms and galleries. The high quality light brings out the true colors in merchandise, including reds. Philips LED AR111 is an ideal retrofit solution for spot, track and general lighting applications in the hospitality and retail industry. The robustly designed Philips LED AR111 offers a well defined beam with a multitude of beam angles to suit various applications. This replacement lamp on 12V provides the light intensity and quality produced by traditional halogen lamps of 50W, 75W or 100W.

Features

- Patented intelligent driver
- Lifetime of 25,000 to 40,000 hours
- Low energy consumption
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

Benefits

- Up to 80% energy savings compared to halogen lamp
- Broad compatibility with transformers
- Easy retrofit

Applications

- Retail, F&B, hospitality
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, washrooms, reception areas



Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|---------------------------------------|--------------|------------------|-------------|------------|-------|-------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| MAS LEDspotLV D 11-50W 927 AR111 8D | 11 | 50 | 2700 | 8 | 560 | 7800 | 40000 | 90 | 12 | Yes | 929001243908 |
| MAS LEDspotLV D 11-50W 930 AR111 8D | 11 | 50 | 3000 | 8 | 580 | 8000 | 40000 | 90 | 12 | Yes | 929001244008 |
| MAS LEDspotLV D 11-50W 927 AR111 24D | 11 | 50 | 2700 | 24 | 620 | 2900 | 40000 | 90 | 12 | Yes | 929001169808 |
| MAS LEDspotLV D 11-50W 930 AR111 24D | 11 | 50 | 3000 | 24 | 640 | 3000 | 40000 | 90 | 12 | Yes | 929001169908 |
| MAS LEDspotLV D 11-50W 927 AR111 40D | 11 | 50 | 2700 | 40 | 620 | 1100 | 40000 | 90 | 12 | Yes | 929001170008 |
| MAS LEDspotLV D 11-50W 930 AR111 40D | 11 | 50 | 3000 | 40 | 640 | 1150 | 40000 | 90 | 12 | Yes | 929001170108 |
| MAS LEDspotLV D 15-75W 927 AR111 24D | 15 | 75 | 2700 | 24 | 830 | 3900 | 40000 | 90 | 12 | Yes | 929001170208 |
| MAS LEDspotLV D 15-75W 930 AR111 24D | 15 | 75 | 3000 | 24 | 840 | 4000 | 40000 | 90 | 12 | Yes | 929001170308 |
| MAS LEDspotLV D 15-75W 927 AR111 40D | 15 | 75 | 2700 | 40 | 830 | 1400 | 40000 | 90 | 12 | Yes | 929001170408 |
| MAS LEDspotLV D 15-75W 930 AR111 40D | 15 | 75 | 3000 | 40 | 840 | 1450 | 40000 | 90 | 12 | Yes | 929001170508 |
| MAS LEDspotLV D 20-100W 830 AR111 12D | 20 | 100 | 3000 | 12 | 1350 | 10000 | 25000 | 80 | 12 | Yes | 929001170608 |
| MAS LEDspotLV D 20-100W 840 AR111 12D | 20 | 100 | 4000 | 12 | 1400 | 11000 | 25000 | 80 | 12 | Yes | 929001170708 |
| MAS LEDspotLV D 20-100W 827 AR111 24D | 20 | 100 | 2700 | 24 | 1300 | 5800 | 25000 | 80 | 12 | Yes | 929001170808 |
| MAS LEDspotLV D 20-100W 830 AR111 24D | 20 | 100 | 3000 | 24 | 1350 | 6000 | 25000 | 80 | 12 | Yes | 929001170908 |
| MAS LEDspotLV D 20-100W 840 AR111 24D | 20 | 100 | 4000 | 24 | 1400 | 6100 | 25000 | 80 | 12 | Yes | 929001171008 |
| MAS LEDspotLV D 20-100W 827 AR111 40D | 20 | 100 | 2700 | 40 | 1300 | 2300 | 25000 | 80 | 12 | Yes | 929001171108 |
| MAS LEDspotLV D 20-100W 830 AR111 40D | 20 | 100 | 3000 | 40 | 1350 | 2350 | 25000 | 80 | 12 | Yes | 929001171208 |
| MAS LEDspotLV D 20-100W 840 AR111 40D | 20 | 100 | 4000 | 40 | 1400 | 2400 | 25000 | 80 | 12 | Yes | 929001171308 |

Master LED PAR & Essential LED PAR

Spot

With its robust design and warm-white beam of light, these new-generation PAR lamps are ideal for general lighting and spot lighting in the hospitality industry. Dimmable and non-dimmable models are available for your careful selection to meet various application needs. They are especially suitable for public areas such as lobbies, corridors, stairwells, where the light is always on. Compatible with existing fixtures with an E27 holder and designed for retrofit replacement of halogen or incandescent lamps, Philips Master LEDspot PAR brings you huge energy savings while minimizing maintenance costs without any reduction in brightness. The dimmable PAR20 in particular, is a perfect retrofit replacement for an incandescent spot.

Features

- Lifetime of 15,000 to 25,000 hours
- Dim & Non Dimmable
- UV and IR-free, ideal for lighting heat-sensitive objects
- Free of mercury and hazardous materials

Benefits

- Up to 80% energy savings compared to halogen lamp
- Easy retrofit and compatible with existing fixtures with E27 holder
- Lower maintenance costs

Applications

- Retail
- Hospitality



Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|------------------------------------------|--------------|------------------|-------------|------------|-------|------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| Essential LED 9-75W PAR30S 827 25D | 9 | 75 | 2700 | 25 | 850 | 3000 | 15000 | 80 | 220-240 | No | 929001389608 |
| Essential LED 10-80W PAR38 827 25D | 10 | 80 | 2700 | 25 | 900 | 1800 | 15000 | 80 | 220-240 | No | 929001322708 |
| MAS LEDspot D 6-50W E27 827 PAR20 25D | 6 | 50 | 2700 | 25 | 520 | 1500 | 25000 | 80 | 220-240 | Yes | 929001317408 |
| MAS LEDspot D 12-100W E27 927 PAR30S 25D | 12 | 100 | 2700 | 25 | 1000 | 3000 | 25000 | 90 | 220-240 | Yes | 929002030808 |
| MAS LEDspot D 13-100W E27 927 PAR38 25D | 13 | 100 | 2700 | 25 | 1000 | 4000 | 25000 | 90 | 220-240 | Yes | 929001322508 |

High Lumen PAR30L

Spot

Philips 220-240V High Lumen PAR30L integrates a leading COB LED light source and a compact high efficiency driver into a traditional CDM PAR30L form-factor. It brings out the beauty in merchandise with brighter, high performance lighting.

Features

- Lifetime 25,000 hours (B50, L70)
- Emits virtually no heat and will not fade colors
- Discharges virtually no UV/IR light
- Environmental friendly, RoHS compliant, contains no Mercury or other hazardous substances

Benefits

- Up to 54% energy savings compared to standard CDM lamps
- Lower initial investment for LED CDM replacement PAR30
- Easy retrofit and compatible with existing fixtures with E27 holder
- High efficiency solution >100lm/W
- Lower maintenance costs
- Safe design with over temperature protection (OTP)

Applications

- Retail
- Hospitality



Retail LED PAR30
20W, 32W, 40W

Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|-------------------------------|--------------|------------------|-------------|------------|-------|-------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| Master LED PAR30L 20W 15D 830 | 20 | 35 | 3000 | 15 | 1800 | 18000 | 25000 | 82 | 220-240 | No | 929001353808 |
| Master LED PAR30L 20W 15D 840 | 20 | 35 | 4000 | 15 | 1850 | 18500 | 25000 | 82 | 220-240 | No | 929001353908 |
| Master LED PAR30L 20W 30D 830 | 20 | 35 | 3000 | 30 | 1800 | 5400 | 25000 | 82 | 220-240 | No | 929001354008 |
| Master LED PAR30L 20W 30D 840 | 20 | 35 | 4000 | 30 | 1850 | 5550 | 25000 | 82 | 220-240 | No | 929001354108 |
| Master LED PAR30L 32W 15D 830 | 32 | 50 | 3000 | 15 | 3000 | 26000 | 25000 | 82 | 220-240 | No | 929001354308 |
| Master LED PAR30L 32W 15D 840 | 32 | 50 | 4000 | 15 | 3000 | 27000 | 25000 | 82 | 220-240 | No | 929001354408 |
| Master LED PAR30L 32W 15D 857 | 32 | 50 | 5700 | 15 | 3000 | 27000 | 25000 | 82 | 220-240 | No | 929001354508 |
| Master LED PAR30L 32W 30D 830 | 32 | 50 | 3000 | 30 | 3000 | 9200 | 25000 | 82 | 220-240 | No | 929001354708 |
| Master LED PAR30L 32W 30D 840 | 32 | 50 | 4000 | 30 | 3000 | 9600 | 25000 | 82 | 220-240 | No | 929001354808 |
| Master LED PAR30L 32W 30D 857 | 32 | 50 | 5700 | 30 | 3000 | 38500 | 25000 | 82 | 220-240 | No | 929001354908 |
| Master LED PAR30L 40W 15D 827 | 40 | 70 | 2700 | 15 | 3850 | 40000 | 25000 | 82 | 220-240 | No | 929001374308 |
| Master LED PAR30L 40W 15D 830 | 40 | 70 | 3000 | 15 | 4000 | 42000 | 25000 | 82 | 220-240 | No | 929001374408 |
| Master LED PAR30L 40W 15D 840 | 40 | 70 | 4000 | 15 | 4200 | 42000 | 25000 | 82 | 220-240 | No | 929001374508 |
| Master LED PAR30L 40W 15D 857 | 40 | 70 | 5700 | 15 | 4200 | 13000 | 25000 | 82 | 220-240 | No | 929001374608 |
| Master LED PAR30L 40W 30D 827 | 40 | 70 | 2700 | 30 | 4300 | 13500 | 25000 | 82 | 220-240 | No | 929001374708 |
| Master LED PAR30L 40W 30D 830 | 40 | 70 | 3000 | 30 | 4500 | 14000 | 25000 | 82 | 220-240 | No | 929001374808 |
| Master LED PAR30L 40W 30D 840 | 40 | 70 | 4000 | 30 | 4600 | 14000 | 25000 | 82 | 220-240 | No | 929001374908 |
| Master LED PAR30L 40W 30D 857 | 40 | 70 | 5700 | 30 | 4600 | 14000 | 25000 | 82 | 220-240 | No | 929001375008 |

LED Capsules

Spot

Philips LED Capsules create a warm, sparkling and comfortable ambience for hotels, homes and hospitality venues, the new small form factor makes them the ideal retrofit solution for Halogen capsules without having to change your luminaire. Dimmable and non-dimmable models are available for your careful selection to meet various application needs.

Features

- Long lifetime of 15,000 hours
- UV and IR-free, ideal for lighting heat sensitive objects
- Dim & non dimmable options
- Environmental friendly, without mercury or any other hazardous substances

Benefits

- Up to 92% energy savings when compared to the equivalent halogen capsule lamp
- Retrofits into a vast majority of luminaires with G4 and G9 sockets
- Lower maintenance costs

Applications

- Retail
- Hospitality
- Residential



Product specifications

| Product type | Lamp wattage | Replaced wattage | Color temp. | Beam angle | Lumen | MBCP | Lifetime | CRI | Voltage | Dimming | Order code |
|---------------------------------------|--------------|------------------|-------------|------------|-------|------|----------|-----|---------|---------|--------------|
| | W | W | K | (°) | lm | | Hours | Ra | V | | 12NC |
| CorePro LEDcapsuleLV 0.9-10W G4 827 | G4 | 0.9 | 10 | 2700 | 110 | NA | 15000 | 80 | 12 | No | 929001843902 |
| CorePro LEDcapsuleLV 0.9-10W G4 830 | G4 | 0.9 | 10 | 3000 | 110 | NA | 15000 | 80 | 12 | No | 929001844002 |
| CorePro LEDcapsuleLV 1.7-20W G4 827 | G4 | 1.7 | 20 | 2700 | 205 | NA | 15000 | 80 | 12 | No | 929001844102 |
| CorePro LEDcapsuleLV 1.7-20W G4 830 | G4 | 1.7 | 20 | 3000 | 205 | NA | 15000 | 80 | 12 | No | 929001844202 |
| CorePro LEDcapsuleLV 2.5-28W G4 827 | G4 | 2.5 | 28 | 2700 | 300 | NA | 15000 | 80 | 12 | No | 929001896702 |
| CorePro LEDcapsuleLV 2.5-28W G4 830 | G4 | 2.5 | 28 | 3000 | 300 | NA | 15000 | 80 | 12 | No | 929001896802 |
| CorePro LEDcapsuleLV 2-20W G4 827 D | G4 | 2 | 20 | 2700 | 200 | NA | 15000 | 80 | 12 | Yes | 929001235302 |
| CorePro LEDcapsule ND 1.9-25W G9 827 | G9 | 1.9 | 25 | 2700 | 204 | NA | 15000 | 80 | 220-240 | No | 929001323802 |
| CorePro LEDcapsule ND 1.9-25W G9 830 | G9 | 1.9 | 25 | 3000 | 210 | NA | 15000 | 80 | 220-240 | No | 929001364702 |
| CorePro LEDcapsule ND 3.2-40W G9 827 | G9 | 3.2 | 40 | 2700 | 400 | NA | 15000 | 80 | 220-240 | No | 929001902902 |
| CorePro LEDcapsule ND 3.2-40W G9 830 | G9 | 3.2 | 40 | 3000 | 400 | NA | 15000 | 80 | 220-240 | No | 929001903002 |
| CorePro LEDcapsule ND 5-55W G9 827 | G9 | 5 | 55 | 2700 | 600 | NA | 15000 | 80 | 220-240 | No | 929002055102 |
| CorePro LEDcapsule ND 5-55W G9 830 | G9 | 5 | 55 | 3000 | 600 | NA | 15000 | 80 | 220-240 | No | 929002059802 |
| CorePro LEDcapsuleMV 2.3-25W G9 827 D | G9 | 2.3 | 25 | 2700 | 215 | NA | 15000 | 80 | 220-240 | Yes | 929001232002 |

LED tube

A perfect tube with a perfectly uniform visual appearance delivering superior performance, far more outstanding than the traditional fluorescent.



Master LEDtube

Tube

The Philips Master LEDtube cleverly integrates LED light sources into a traditional fluorescent form factor. Its unique design creates a perfectly familiar and uniform visual appearance which cannot be distinguished from its traditional fluorescent equivalent. For volume usage, and wide-scale applications, the Master LEDtube is great value-for-money, actualizing your projects within limited budgets and easy re-lamping works can be done to achieve better light effects and lifetime.

Features

- Fit-and-forget LED tube, a direct replacement for T8 fluorescent tube
- Energy consumption >50% lower than fluorescent tubes
- Lifetime up to 50,000hours: 2-3 times longer than fluorescent lamps
- Full safety features and completely safe installation process
- No mercury

Benefits

- Reduced operational costs due to lower need for maintenance
- Energy savings and a long life time
- Fastest and easiest way to upgrade existing luminaire to LED technology without a need for re-wiring
- Comfort to the eye, and minimal heat

Applications

- Retail, industry
- Offices, schools
- Hospitals, indoor public spaces
- Parking lots, covered car parks
- Warehouses, cold-rooms, signages
- Transport and distribution areas

For APR excluding Japan



Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|--------------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| MAS LEDtube 1200mm HO 14W865 T8 | 2100 | 14 | 220-240 | 6500 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001299408 |
| MAS LEDtube 1200mm HO 14W840 T8 | 2100 | 14 | 220-240 | 4000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001299308 |
| MAS LEDtube 1200mm HO 14W830 T8 | 2000 | 14 | 220-240 | 3000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001299208 |
| MAS LEDtube 600mm HO 8W865 T8 | 1050 | 8 | 220-240 | 6500 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001299708 |
| MAS LEDtube 600mm HO 8W840 T8 | 1050 | 8 | 220-240 | 4000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001299608 |
| MAS LEDtube 600mm HO 8W830 T8 | 1000 | 8 | 220-240 | 3000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001299508 |
| MAS LEDtube STD 1200mm 10.5W865 T8 I | 1600 | 10.5 | 220-240 | 6500 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001297708 |
| MAS LEDtube STD 1200mm 10.5W840 T8 I | 1600 | 10.5 | 220-240 | 4000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001297608 |

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|----------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| MAS LEDtube 1200mm UO 16W 865 T8 | 2500 | 16 | 220-240 | 6500 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001298002 |
| MAS LEDtube 1200mm UO 16W 840 T8 | 2500 | 16 | 220-240 | 4000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001297902 |
| MAS LEDtube 1200mm UO 16W 830 T8 | 2300 | 16 | 220-240 | 3000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001297802 |
| MAS LEDtube 1500mm UO 24W 865 T8 | 3700 | 24 | 220-240 | 6500 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001298302 |
| MAS LEDtube 1500mm UO 24W 840 T8 | 3700 | 24 | 220-240 | 4000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001298202 |
| MAS LEDtube 1500mm UO 24W 830 T8 | 3400 | 24 | 220-240 | 3000 | 150 | 83 | >0.9 | 50000 | 50/60 | No | 929001298102 |

Essential LEDtube T8

Tube

Philips Essential LEDtube is an affordable LED tube suitable for T8 fluorescent replacements. The product delivers a natural lighting effect that is needed across a wide range of general lighting applications. It also brings instant energy savings and cost savings, when applied to projects of substantial scale, making this a much more environmentally-friendly and superior solution to replace fluorescents.

Features

- Affordable LED replacement for T8 fluorescent tubes
- Energy consumption >50% lower than fluorescent tubes
- 30,000 hours lifetime, twice the length of normal fluorescents
- No mercury

Benefits

- Reduced electricity costs thanks to significant energy savings
- Longer lifetime equates to reduced maintenance costs
- A better choice for the environment – no mercury
- Comfort to the eye, and minimal heat

Applications

- Retail, offices
- Industry, warehouses, public places,
- Schools, hospitals, car parks

New!



Essential LEDtube T8

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|------------------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| ESSENTIAL LEDtube 600mm 8W865 T8 AP I G | 800 | 8 | 220-240 | 6500 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001338708 |
| ESSENTIAL LEDtube 600mm 8W840 T8 AP I G | 800 | 8 | 220-240 | 4000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001338608 |
| ESSENTIAL LEDtube 1200mm 14.5W865 T8AP I | 1600 | 14.5 | 220-240 | 6500 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001338908 |
| ESSENTIAL LEDtube 1200mm 14.5W840 T8AP I | 1600 | 14.5 | 220-240 | 4000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001338808 |
| ESSENTIAL LEDtube HO 1200mm 18W865T8 AP | 2100 | 18 | 220-240 | 6500 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001383508 |
| ESSENTIAL LEDtube HO 1200mm 18W840T8 AP | 2100 | 18 | 220-240 | 4000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001383408 |

Essential LEDtube T5

Tube

Philips Essential LEDtube T5 is a reliable value-for-money LED lamp out of Philips lighting portfolio, incorporated with frontier LED chips and other advanced technologies. The product helps customers to achieve up to 50% energy saving and significant maintenance cost reduction by comparing to fluorescent lamps. It also helps generate natural and comfortable lighting effect, and to build up green and environment friendly image for our customers.

Features

- Protection circuit inside ensuring people's safety in case of misuse, complying with IEC safety requirements
- Advanced optical design ensures a uniform light output and superior optical efficiency

Benefits

- Reliable operation between -20°C to 45°C ambient temperature
- 50,000 switching cycles
- Energy savings up to 50%

Applications

- Retail, offices
- Industry, warehouses, public places,
- Schools, hospitals, car parks

New!



Essential LEDtube T5

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|--------------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| ESSENTIAL LEDtube 1200mm 16W865 G5 I | 2100 | 16 | 100-240 | 6500 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001381108 |
| ESSENTIAL LEDtube 1200mm 16W840 G5 I | 2100 | 16 | 100-240 | 4000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001381008 |
| ESSENTIAL LEDtube 1200mm 16W830 G5 I | 2000 | 16 | 100-240 | 3000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001380908 |
| ESSENTIAL LEDtube 600mm 8W865 G5 I | 1050 | 8 | 100-240 | 6500 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001380808 |
| ESSENTIAL LEDtube 600mm 8W840 G5 I | 1050 | 8 | 100-240 | 4000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001380708 |
| ESSENTIAL LEDtube 600mm 8W830 G5 I | 1000 | 8 | 100-240 | 3000 | 240 | 80 | >0.9 | 30000 | 50/60 | No | 929001380608 |

LED PLC

Tube

LED PLC is a downlighting lamp replacement that delivers incredible energy savings thanks to energy efficient LED core, 30,000 hours lifetime. A retrofit lamp that's simple to install, fit most of EM ballast fixtures and requires less maintenance and servicing. So you can downsize your downlighting costs with energy efficient LED.

Features

- To ensure maximum compatibility with existing luminaires, directional PLC LED often need to be adjusted towards where light is needed most. That's why Philips PLC LED products have this feature. It allows the PLC LED to be easily rotated up to 90 degrees, giving you the freedom to direct the light to best effect

Benefits

- High Output for high efficiency - designed to comply with key industry standards
- Reliable operation between 20°C to 35°C ambient temperature
- Rated average life of 30,000 hours
- 50,000 switching cycles

Applications

- Hallways
- Meeting Rooms
- Reception
- Staircases
- Restrooms



LED PLC

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|----------------------------|-------|---------|----------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| LED PLC 8.5W 865 2P G24d-3 | 1000 | 8.5 | 220-240* | 6500 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001280108 |
| LED PLC 8.5W 840 2P G24d-3 | 1000 | 8.5 | 220-240* | 4000 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001201308 |
| LED PLC 8.5W 830 2P G24d-3 | 950 | 8.5 | 220-240* | 3000 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001201208 |
| LED PLC 6.5W 865 2P G24d-2 | 700 | 6.5 | 220-240* | 6500 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001280208 |
| LED PLC 6.5W 840 2P G24d-2 | 700 | 6.5 | 220-240* | 4000 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001201508 |
| LED PLC 6.5W 830 2P G24d-2 | 650 | 6.5 | 220-240* | 3000 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001201408 |
| LED PLC 4.5W 865 2P G24d-1 | 500 | 4.5 | 220-240 | 6500 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001350908 |
| LED PLC 4.5W 840 2P G24d-1 | 500 | 4.5 | 220-240 | 4000 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001350808 |
| LED PLC 4.5W 830 2P G24d-1 | 475 | 4.5 | 220-240 | 3000 | 120 | 83 | 0.9 | 30000 | 50/60 | No | 929001350708 |

Sensor LEDtube

Tube

Philips Sesor LEDtube is a reliable value-for-money LED lamp out of Philips Lighting portfolio, incorporated with frontier LED chips and other advanced technologies. The product helps customers to achieve over 60% energy savings and significant maintenance cost reduction by comparing to flourescent lighting effect, and to build up green and environmental friendly image for our customers.

Features

- Integrated microwave sensor in LEDtube to provide extra 80% energy saving
- Wider beam angle for diffuse light effect in basic type of luminaires like bare batten or closed luminaires
- Enhanced efficiency (from 110 to 115 lm/W)
- CRI 80

Benefits

- Reliable operation between -20°C to 45°C ambient temperature
- 50,000 switching cycles
- Energy savings over 60%
- No mercury

Applications

- Offices
- Parking Lots
- Warehouses



Sensor LEDtube

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Order code |
|-----------------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | 12NC |
| Sensor LEDtube 1200mm 1600lm 14W865 G13 | 1600 | 14 | 100-240 | 6500 | 240 | 80 | 0.9 | 30000 | 50/60 | 929001819308 |
| Sensor LEDtube 1200mm 1600lm 14W840 G13 | 1600 | 14 | 100-240 | 4000 | 240 | 80 | 0.9 | 30000 | 50/60 | 929001819208 |

LED candle and lustre

Designed to enhance the aesthetic appeal of chandeliers and luminaires, these bulbs come in classical form factors with unique eye-catching lens design for the extra sparkle.



Master LEDcandle DimTone

Candle and lustre

Specially developed for chandeliers, we've upgraded our Master LEDcandle lamps to enhance the decorative and aesthetic appeal of luminaires – whether they are switched on or off. The new candles incorporate a revolutionary new shaped lens that allows the optics to radiate brilliant, clear and sparkling white LED light. The improved light quality provides consistent colour from every angle – even when dimmed in the most intimate of ambiances. What's more, the new ivory lamp colour is the perfect match for existing luminaires. The classic slender shape when used in multiple quantities will ensure the whole luminaire lights up brilliantly.

Features

- With DimTone technology
- Revolutionary new lens design
- Lifetime of 25,000 hours
- Retrofittable with existing E14 or B22 sockets
- Available in 25 W and 40 W

Benefits

- Sparkling white LED light
- Low energy consumption
- Dimmable, saving more energy

Applications

- Hotels, restaurants, bars, cafés
- Wall sconce or modern luminaire



Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced wattage | Color temp. | Lumen | Lifetime | CRI | Dimming | Order code |
|----------------------------------------|-----|------------|--------------|------------------|-------------|-------|----------|-----|---------|--------------|
| | | | | | | | | | | |
| MAS LEDcandle DT 6-40W B38 B22 827 CL | B22 | LED Candle | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | Yes | 929001140802 |
| MAS LEDcandle DT 6-40W B38 E14 827 CL | E14 | LED Candle | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | Yes | 929001140402 |
| MAS LEDcandle DT 6-40W BA38 E14 827 CL | E14 | LED Candle | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | Yes | 929001140502 |
| MAS LEDcandle DT 6-40W B38 B22 827 CL | B22 | LED Candle | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | Yes | 929001140802 |
| MAS LEDcandle DT 6-40W B38 E27 827 CL | E27 | LED Candle | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | Yes | 929001157902 |
| MAS LEDcandle DT 6-40W B38 B15 827 CL | B15 | LED Candle | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | Yes | 929001140302 |
| MAS LEDcandle DT 4-25W B38 E14 827 CL | E14 | LED Candle | 4.0 | 25 | 2200-2700 | 250 | 25,000 | 80 | Yes | 929001139802 |
| MAS LEDcandle DT 4-25W BA38 E14 827 CL | E14 | LED Candle | 4.0 | 25 | 2200-2700 | 250 | 25,000 | 80 | Yes | 929001139902 |
| MAS LEDcandle DT 8-60W E14 B40 827 CL | E14 | LED Candle | 8.0 | 60 | 2200-2700 | 806 | 25,000 | 80 | Yes | 929001140402 |

Master LEDlustre DimTone

Candle and lustre

A new shape developed for chandeliers or open luminaires, the LEDlustre DimTone range gives off light all around due to its clear bulb head, enhancing the decorative appeal of all luminaires. The creatively shaped lens allow the optics to radiate brilliant, clear and sparkling white LED light that yet releases minimal heat. The improved light quality is beautiful, suitable for a variety of luminaires and open cords used often in hotels, F&B chains and in retail.

Features

- With DimTone technology
- Revolutionary new lens design
- Lifetime of 25,000 hours
- Retrofittable with existing E14 and E27 holders
- Available in 25 W and 40 W

Benefits

- Sparkling white LED light
- Low energy consumption
- Dimmable, saving more energy

Applications

- Hotels, restaurants, bars, cafés
- Chandelier, open luminaire, or glass luminaire



Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced wattage | Color temp. | Lumen | Lifetime | CRI | Voltage | Dimming | Order code |
|---------------------------------------|-----|------------|--------------|------------------|-------------|-------|----------|-----|---------|---------|--------------|
| | | | | | | | | | | | |
| MAS LEDlustre DT 6-40W P48 E14 827 CL | E14 | LED Lustre | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | 220-240 | Yes | 929001140602 |
| MAS LEDlustre DT 6-40W P48 E27 827 CL | E27 | LED Lustre | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | 220-240 | Yes | 929001140702 |
| MAS LEDlustre DT 6-40W P48 B22 827 CL | B22 | LED Lustre | 6.0 | 40 | 2200-2700 | 470 | 25,000 | 80 | 220-240 | Yes | 929001157302 |
| MAS LEDlustre DT 4-25W P48 E14 827 CL | E14 | LED Lustre | 4.0 | 25 | 2200-2700 | 250 | 25,000 | 80 | 220-240 | Yes | 929001140002 |
| MAS LEDlustre DT 4-25W P48 E27 827 CL | E27 | LED Lustre | 4.0 | 25 | 2200-2700 | 250 | 25,000 | 80 | 220-240 | Yes | 929001140102 |
| MAS LEDlustre DT 8-60W E14 P50 CL | E14 | LED Lustre | 8.0 | 60 | 2200-2700 | 806 | 25,000 | 80 | 220-240 | Yes | 929001211902 |

LED **HID**

Philips TrueForce LED lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) lamps. These lamps bring the energy efficiency and long lifetime benefits of LED to HID replacement, with a low initial investment delivering instant savings. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing system, thereby enhancing the light quality without having to change the fixtures or sacrifice the light effect.



TrueForce LED HighBay

HID

Philips TrueForce LED Industrial and Retail (Highbay – HPI/SON/HPL) lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. Lamp design allows retrofit HID lamps with TrueForce LED lamps with no gear loss and high power factor. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

Features

- High energy efficiency with directional light and no gear loss
- Long lifetime 25,000hrs
- Direct lamp replacement solution with high power factor
- 2 beam angles selection
- Pleasant white light with CRI 80

Benefits

- Cost saving with quick payback
- Easy adoption
- Low initial investment

Applications

- Industrial - Factories, Warehouses, Distribution centres
- Retail - Hyper markets, Shopping malls
- Others - Transportation hubs, Convention centres, Sports halls



TrueForce LED HighBay

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|-----------------------------------------|-------|---------|----------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| TForce LED HPI ND 110-88W E40 840 60D | 11000 | 88 | Retrofit | 4000 | 60 | 70 | >0.7 | 50000 | 50/60Hz | No | 929001356802 |
| TForce LED HPI ND 110-88W E40 840 120D | 11000 | 88 | Retrofit | 4000 | 120 | 70 | >0.7 | 50000 | 50/60Hz | No | 929001356902 |
| TForce LED HIL ND 200-145W E40 840 60D | 20000 | 145 | Retrofit | 4000 | 60 | 70 | >0.7 | 50000 | 50/60Hz | No | 929001357002 |
| TForce LED HIL ND 200-145W E40 840 120D | 20000 | 145 | Retrofit | 4000 | 120 | 70 | >0.7 | 50000 | 50/60Hz | No | 929001357102 |
| TForce Core HB 200-160W E40 840 NB GM | 20000 | 160 | 110-277 | 4000 | 70 | 70 | >0.9 | 25000 | 50/60Hz | No | 929001812408 |
| TForce Core HB 200-160W E40 840 WB GM | 20000 | 160 | 110-277 | 4000 | 130 | 70 | >0.9 | 25000 | 50/60Hz | No | 929001812508 |
| TForce Core HB 200-160W E40 865 NB GM | 20000 | 160 | 110-277 | 6500 | 70 | 70 | >0.9 | 25000 | 50/60Hz | No | 929001812608 |
| TForce Core HB 200-160W E40 865 WB GM | 20000 | 160 | 110-277 | 6500 | 130 | 70 | >0.9 | 25000 | 50/60Hz | No | 929001812708 |
| TForce HB 100-85W E40 840 120D GM | 10000 | 85 | 110-277 | 4000K | 120 | 70 | >0.9 | 25000 | 50/60Hz | No | 929001875708 |
| TForce HB 100-85W E40 865 120D GM | 10000 | 85 | 110-277 | 6500K | 120 | 70 | >0.9 | 25000 | 50/60Hz | No | 929001875908 |

TrueForce LED Public

HID

Philips TrueForce LED Public lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) lamps. These lamps bring the energy efficiency and long lifetime benefits of LED to HID replacement, with a low initial investment delivering instant savings. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing system, thereby enhancing the light quality without having to change the fixtures or sacrifice the light effect.

Features

- High energy efficiency
- Long lifetime 50,000hrs
- Same/right lamp size and lighting distribution for direct retrofit
- Direct LED replacement solution without changing the fixture
- Pleasant white light with CRI 80

Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

Applications

- Public Urban - Streets, Parks, Squares
- Public Road/Area - Streets, Area



TrueForce LED Public

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|----------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| TForce LED HPL ND 38-28W E27 830 | 3800 | 28 | 220-240 | 3000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006302 |
| TForce LED HPL ND 40-28W E27 840 | 4000 | 28 | 220-240 | 4000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006402 |
| TForce LED HPL ND 28-21W E27 830 | 2800 | 21 | 220-240 | 3000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006102 |
| TForce LED HPL ND 30-21W E27 840 | 3000 | 21 | 220-240 | 4000 | NA | 80 | >0.7 | 50000 | 0/60 | No | 929002006202 |
| TForce LED HPL ND 57-42W E27 830 | 5700 | 42 | 220-240 | 3000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006502 |
| TForce LED HPL ND 60-42W E27 840 | 6000 | 42 | 220-240 | 4000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006602 |
| TForce LED HPL ND 57-42W E40 830 | 5700 | 42 | 220-240 | 3000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006702 |
| TForce LED HPL ND 60-42W E40 840 | 6000 | 42 | 220-240 | 4000 | NA | 80 | >0.7 | 50000 | 50/60 | No | 929002006802 |

TrueForce LED Road

HID

Philips TrueForce LED road lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED road lamps into the existing systems without changing the luminaire's ballast or reflector while enhancing the lighting quality.

Features

- High energy efficiency
- Lifetime 50,000hrs
- Right lamp size and lighting distribution for direct retrofit
- Direct LED replacement solution without changing the luminaire
- Pleasant white light with CRI 70

Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

Applications

- Public urban - streets, parks, squares
- Public road/area - streets, area



TrueForce LED Road

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|---------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| TForce LED Road 38-25W E27 730 | 3800 | 25 | 70-80 V | 3000 | 360 | 70 | 0.9 | 50000 | 50Hz | No | 929001999402 |
| TForce LED Road 40-25W E27 740 | 4000 | 25 | 70-80 V | 4000 | 360 | 70 | 0.9 | 50000 | 50Hz | No | 929001999502 |
| TForce LED Road 84-55W E40 730 | 8444 | 55 | 70-80 V | 3000 | 360 | 70 | 0.9 | 50000 | 50Hz | No | 929002007402 |
| TForce LED Road 90-55W E40 740 | 9000 | 55 | 70-80 V | 4000 | 360 | 70 | 0.9 | 50000 | 50Hz | No | 929002007502 |
| TForce LED Road 112-68W E40 730 | 11200 | 68 | 70-80 V | 3000 | 360 | 70 | 0.9 | 50000 | 50Hz | No | 929002007602 |
| TForce LED Road 120-68W E40 740 | 12000 | 68 | 70-80 V | 4000 | 360 | 70 | 0.9 | 50000 | 50Hz | No | 929002007702 |



LED bulb

We started the journey 125 years ago. And we are more determined than ever to challenge the convention, improving the technology and how it illuminates our world.



MyCare LED bulb

Bulb

Our Philips signature entry-level LED bulb provides an instant-on, retrofit lighting solution, perfect for use in large volumes across multiple application areas. It delivers energy savings, reduces the need for regular bulb replacement, without compromising on the quality of your warm or white light. Available in E27 lamp base, and two color temperatures. Comfortable to the eye with minimal glare.

Features

- Instant start
- Simple replacement with existing sockets and fixtures
- Manufactured without any hazardous materials, making them a safe and sustainable choice
- Interlaced optic

Benefits

- Minimal heat, and comfort to the eye
- No UV and IR, safe for fabric and light sensitive materials
- Easy retrofit
- Long lifetime of up to 15 years, reducing the need for maintenance

Applications

- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, wash rooms, reception areas



EyeComfort



Entry range LED bulb

Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced GLS wattage | Color temp. | Lumen | Lifetime | CRI | Voltage | Dimming | Order code |
|------------------------------------|-----|------------|--------------|----------------------|-------------|-------|----------|-----|---------|---------|--------------|
| | | | W | W | K | lm | Hours | Ra | V | | 12NC |
| LEDBulb 12-100W E27 6500K 230V A60 | E27 | A60 | 12.0 | 100 | 6500 | 1360 | 15,000 | 80 | 220-240 | No | 929001916337 |
| LEDBulb 12-100W E27 3000K 230V A60 | E27 | A60 | 12.0 | 100 | 3000 | 1360 | 15,000 | 80 | 220-240 | No | 929001916137 |
| LEDBulb 10-85W E27 6500K 230V A60 | E27 | A60 | 10.0 | 85 | 6500 | 1020 | 15,000 | 80 | 220-240 | No | 929001915937 |
| LEDBulb 10-85W E27 3000K 230V A60 | E27 | A60 | 10.0 | 85 | 3000 | 1020 | 15,000 | 80 | 220-240 | No | 929001915737 |
| LEDBulb 8-70W E27 6500K 230V A60 | E27 | A60 | 8.0 | 70 | 6500 | 770 | 15,000 | 80 | 220-240 | No | 929001915537 |
| LEDBulb 8-70W E27 3000K 230V A60 | E27 | A60 | 8.0 | 70 | 3000 | 770 | 15,000 | 80 | 220-240 | No | 929001915337 |
| LEDBulb 6-60W E27 6500K 230V A60 | E27 | A60 | 6.0 | 60 | 6500 | 580 | 15,000 | 80 | 220-240 | No | 929001915137 |
| LEDBulb 6-60W E27 3000K 230V A60 | E27 | A60 | 6.0 | 60 | 3000 | 560 | 15,000 | 80 | 220-240 | No | 929001914937 |
| LEDBulb 4-50W E27 6500K 230V A60 | E27 | A60 | 4.0 | 50 | 6500 | 420 | 15,000 | 80 | 220-240 | No | 929001914737 |
| LEDBulb 4-50W E27 3000K 230V A60 | E27 | A60 | 4.0 | 50 | 3000 | 420 | 15,000 | 80 | 220-240 | No | 929001304537 |

WarmGlow Dim Bulb

Bulb

Philips LEDbulb WarmGlow Dimmable deliver high quality light to ensure direct replacement of GLS bulbs in indoor application. The beam of light is free of infra-red meaning no heat is radiated, and no ultra-violet light means that fabric and items under this light won't fade.

Features

- Reliable operation between -20 °C to 45 °C ambient temperature
- Rated average life of 15,000 hours (tested to B50 L70 requirement)
- 50,000 switching cycles

Benefits

- GLS dimming lighting effect
- No Visible flickering
- No UV/IR
- Light all around

Applications

- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, wash rooms, reception areas



WarmGlow Dim Bulb

Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced GLS wattage | Color temp. | Lumen | Lifetime | CRI | Voltage | Dimming | Order code |
|------------------------------------------|-----|------------|--------------|----------------------|-------------|-------|----------|-----|---------|---------|--------------|
| | | | W | W | K | lm | Hours | Ra | V | | 12NC |
| LEDBulb 11-85W A60 E27 822-27 230V FR D | E27 | A60 | 11 | 75 | 2700-2200K | 1055 | 15000 | 90 | 220-240 | Yes | 929001352779 |
| LEDBulb 8.5-70W A60 E27 822-27 230V FR D | E27 | A60 | 8.5 | 60 | 2700-2200K | 806 | 15000 | 90 | 220-240 | Yes | 929001352579 |

Philips LEDstick

Bulb

Philips LEDstick deliver high quality light in a compact design ideal for downlights and slim luminaire applications. The compact and bright light makes it ideal for general lighting applications in the retail and hospitality industry by offering their guests a differentiating ambiance and unique experience in public areas.

Features

- All around illumination
- Up to 70% less glare*
- No visible flickering
- Eye safety of lamps compliance**

Benefits

- Over 85% energy savings
- Last up to 15 years
- Environmental friendly, no Mercury
- Low Carbon Footprint

Applications

- Elite shops
- Corridors / Stairways / Washrooms
- Lobby / Reception areas
- Hotel rooms / Bars
- Home



Philips LEDstick

Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|-----------------------------------|--------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| DLStick 5.5W E14 3000K 1PF/12 APR | 600lm | 5.5 | 220-240 | 3000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001900607 |
| DLStick 5.5W E14 4000K 1PF/12 APR | 600lm | 5.5 | 220-240 | 4000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001900707 |
| DLStick 5.5W E14 6500K 1PF/12 APR | 600lm | 5.5 | 220-240 | 6500 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001900807 |
| DLStick 5.5W E27 3000K 1PF/12 APR | 600lm | 5.5 | 220-240 | 3000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001900907 |
| DLStick 5.5W E27 4000K 1PF/12 APR | 600lm | 5.5 | 220-240 | 4000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901007 |
| DLStick 5.5W E27 6500K 1PF/12 APR | 600lm | 5.5 | 220-240 | 6500 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001902207 |
| DLStick 7.5W E27 4000K 1PF/12 APR | 806lm | 7.5 | 220-240 | 4000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901207 |
| DLStick 7.5W E27 3000K 1PF/12 APR | 806lm | 7.5 | 220-240 | 3000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901107 |
| DLStick 7.5W E27 6500K 1PF/12 APR | 806lm | 7.5 | 220-240 | 6500 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901307 |
| DLStick 9.5W E27 4000K 1PF/12 APR | 1055lm | 9.5 | 220-240 | 4000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901507 |
| DLStick 9.5W E27 3000K 1PF/12 APR | 1055lm | 9.5 | 220-240 | 3000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901407 |
| DLStick 9.5W E27 6500K 1PF/12 APR | 1055lm | 9.5 | 220-240 | 6500 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001901607 |
| DLStick 11W E27 3000K 1PF/12 APR | 1400lm | 11 | 220-240 | 3000 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001950507 |
| DLStick 11W E27 6500K 1PF/12 APR | 1400lm | 11 | 220-240 | 6500 | 360 | 80 | >0.5 | 15000 | 50/60Hz | No | 929001950607 |

* Comparing the bulb surface brightness between Philips LEDstick and CFLi Genie.

** Compliance with IEC62471 photobiological safety of lamps and lamps systems.

Master LEDBulb Dimtone

Bulb

The Master LEDBulb DimTone range delivers a dimmable glow effect for a welcoming, warm atmosphere, making it ideal for general lighting applications in the hospitality segment. Its unique design radiates warm light all around, making it a bright and energy efficient alternative to the incandescent lamp. They are particularly suitable for public areas such as lobbies, corridors, stairwells, where the light is always on. Compatible with existing fixtures with E27 or B22 holder, they are designed for retrofit replacement of incandescent bulbs. Master LEDBulb DimTone delivers huge energy savings and minimizes maintenance cost without any compromise on light quality. They can be used together with most leading-edge dimmers, enabling further efficiencies while helping to create the desired atmosphere.

Features

- Dimmable
- Compatible with an extensive range of dimmers
- Warm white light
- Lifetime of 25,000 hours
- UV- and IR-free light

Benefits

- Up to 80% energy savings compared to traditional incandescent lamps
- Easy (retrofit) replacement
- Lower maintenance costS

Applications

- Hotels, restaurants, bars, cafés
- Lobbies, corridors, stairwells, reception areas



Master Frosted Bulb

Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced GLS wattage | Color temp. | Lumen | Lifetime | CRI | Hz | Dimming | Order code |
|------------------------------------------|------|------------|--------------|----------------------|-------------|-------|----------|-------|-------|---------|--------------|
| | | | W | W | K | lm | Hours | Ra | Hz | | 12NC |
| MAS LED bulb DT 5.5-40WE27 927-922 A60FR | 470 | 5.5 | 220-240 | 2700 | NA | 90 | >0.5 | 25000 | 50/60 | Yes | 929001150802 |
| MAS LED bulb DT 9-60W E27 927-922 A60 FR | 806 | 9 | 220-240 | 2700 | NA | 90 | >0.5 | 25000 | 50/60 | Yes | 929001351402 |
| MAS LED bulb DT 12-75WE27 927-922 A67 FR | 1055 | 12 | 220-240 | 2700 | NA | 90 | >0.5 | 25000 | 50/60 | Yes | 929001868602 |
| MASLEDbulb DT 15.5-100WE27 927-922 A67FR | 1521 | 15.5 | 220-240 | 2700 | NA | 90 | >0.5 | 25000 | 50/60 | Yes | 929001868702 |

LED Deco Classic

Bulb

LED Deco Classic is the perfect LED filament bulb looking like the tungsten classic, yet giving you an estimated energy savings of 90%. It sets off beautiful, decorative, warm light in a variety of bulb shapes from the standard to the tall/balloon shape giving off a brighter and more defined, warm glow. The LED Deco Classic is ideal for installation in a variety of fixtures whether exposed or within glass shades. The bulb itself is an art form, working perfectly with modern or classic chandeliers, wall sconces and open fixtures.

Features

- A classic bulb with a modern LED twist
- Timeless shape with hardy strands of LED filament
- Available in multiple wattages

Benefits

- Energy savings estimated around 90%
- Long lifetime, unlike the old incandescent
- Instant on, little heat
- Environmentally friendly, contains no mercury

Applications

- Home: living room, bedroom
- Hospitality: restaurants, cafe and bars, hotel lobbies and guest rooms



LED Deco classic

Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced wattage | Color temp. | Lumen | Lifetime | CRI | Voltage | Dimming | Order code |
|-----------------------------------------|-----|---------------|--------------|------------------|-------------|-------|----------|-----|---------|---------|--------------|
| | | | W | W | K | lm | Hours | Ra | V | | 12NC |
| LEDClassic 4-50W A60 E27 WW CL ND APR | E27 | Filament A60 | 4.0 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | No | 929001237108 |
| LEDClassic 7-70W A60 E27 WW CL ND APR | E27 | Filament A60 | 7.0 | 70 | 2700 | 806 | 15000 | 80 | 220-240 | No | 929001387318 |
| LEDClassic 4-50W ST64 E27 WW CL ND APR | E27 | Filament ST64 | 4.0 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | No | 929001237308 |
| LEDClassic 7-70W ST64 E27 WW CL ND APR | E27 | Filament ST64 | 7.0 | 70 | 2700 | 806 | 15000 | 80 | 220-240 | No | 929001387618 |
| LEDClassic 2-25W B35 E14 WW CL ND APR | E14 | Filament B35 | 2.0 | 25 | 2700 | 250 | 15000 | 80 | 220-240 | No | 929001238308 |
| LEDClassic 2-25W BA35 E14 WW CL ND APR | E14 | Filament BA35 | 2.0 | 25 | 2700 | 250 | 15000 | 80 | 220-240 | No | 929001238408 |
| LEDClassic 2-25W P45 E14 WW CL ND APR | E14 | Filament P45 | 2.0 | 25 | 2700 | 250 | 15000 | 80 | 220-240 | No | 929001238608 |
| LEDClassic 2-25W P45 E27 WW CL ND APR | E27 | Filament P45 | 2.0 | 25 | 2700 | 250 | 15000 | 80 | 220-240 | No | 929001238708 |
| LEDClassic 7-70W G93 E27 WW CL ND APR | E27 | Filament G93 | 7.0 | 70 | 2700 | 806 | 15000 | 80 | 220-240 | No | 929001387918 |
| LEDClassic 4.5-50W P45 E27 WW CL | E27 | Filament P45 | 4.5 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | Yes | 929001227608 |
| LEDClassic 4.5-50W A60 E27 WW CL | E27 | Filament A60 | 4.5 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | Yes | 929001227908 |
| LEDClassic 4.5-50W B35 E14 WW CL | E14 | Filament B35 | 4.5 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | Yes | 929001227208 |
| LEDClassic 4.5-50W BA35 E14 WW CL | E14 | Filament BA35 | 4.5 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | Yes | 929001227308 |
| LEDClassic 4.5-50W P45 E14 WW CL | E14 | Filament P45 | 4.5 | 50 | 2700 | 470 | 15000 | 80 | 220-240 | Yes | 929001227408 |
| LEDClassic 8-60W A60 E27 2200K CL-Gold | E27 | Filament A60 | 8.0 | 60 | <2200 | 600 | 15000 | 80 | 220-240 | Yes | 929001228108 |
| LEDClassic 8-60W G120 E27 2200K CL-Gold | E27 | Filament G120 | 8.0 | 60 | <2200 | 600 | 15000 | 80 | 220-240 | Yes | 929001229108 |
| LEDClassic 8-60W ST64 E27 2200K CL-Gold | E27 | Filament ST64 | 8.0 | 60 | <2200 | 600 | 15000 | 80 | 220-240 | Yes | 929001228908 |
| LEDClassic 8-70W ST64 E27 WW CL-Gold | E27 | Filament ST64 | 8.0 | 70 | <2200 | 800 | 15000 | 80 | 220-240 | Yes | 929001228508 |
| LEDClassic 8-70W A60 E27 WW CL | E27 | Filament A60 | 8.0 | 70 | 2700 | 800 | 15000 | 80 | 220-240 | Yes | 929001228008 |
| LEDClassic 8-70W G93 E27 WW CL | E27 | Filament G93 | 8.0 | 70 | 2700 | 800 | 15000 | 80 | 220-240 | Yes | 929001229008 |
| LEDClassic 8-70W ST64 E27 WW CL | E27 | Filament ST64 | 8.0 | 70 | 2700 | 800 | 15000 | 80 | 220-240 | Yes | 929001228608 |



Scene Switch LED bulb

Bulb

The Scene Switch bulb is a revolutionary bulb that truly surprises by giving out not one but two color temperatures within a single E27 bulb form. It allows spaces to be personalized for ease and comfort by using the existing wall switch with no need of re-wiring, to simply toggle the light color from warm white at 3000K to cool daylight at 6500K at your finger tips. The result is a uniformly lit bulb that delivers glare-free light that is easy on the eyes. A hassle-free retrofit that turns on instantly, adding flexibility and more value to any luminaire with an E27 base.

Features

- Retrofit bulb with an E27 base
- 806 lumen, CCT 3000K/6500K
- CRI 80
- Lifetime 15000 hours

Benefits

- Warm white and cool day light, switchable instantly
- Unique bulb shape that gives light all around
- No hazardous material
- Versatile for all spaces

Applications

- Homes, offices and cafés
- Hotel guest rooms, spa
- Modern or classical luminaires
- Wall sconces, open fixtures



Product specifications

| Product type | Cap | Bulb shape | Lamp wattage | Replaced wattage | Color temp. | Lumen | Lifetime | CRI | Voltage | Dimming | Order code |
|--------------------------------------------|-----|------------|--------------|------------------|-------------|--------------|----------|-----|---------|---------|--------------|
| | | W | W | K | lm | Hours | Ra | V | | 12NC | |
| Scene Switch A60 CCT 8-70W E27 3000K/6500K | E27 | A60 | 8.0 | 70 | 3000/6500 | 806 | 15000 | >80 | 220-240 | Yes | 929001906127 |
| Scene Switch A60 3Step 7.5-70W E27 6500K | E27 | A60 | 7.5 | 70 | 6500 | 806-470-150 | 15000 | >80 | 220-240 | Yes | 929001906727 |
| Scene Switch A60 3Step 7.5-70W E27 3000K | E27 | A60 | 7.5 | 70 | 3000 | 806-470-150 | 15000 | >80 | 220-240 | Yes | 929001906427 |
| Scene Switch P45 2Step 7-60W E27 6500K | E27 | A60 | 7.0 | 60 | 6500 | 600-150 | 15000 | >80 | 220-240 | Yes | 929001140002 |
| SceneSwitch A67 3S 14-100W E27 6500K | E27 | A67 | 14.0 | 100 | 6500 | 1521-600-150 | 15000 | >80 | 220-240 | Yes | 929001337007 |
| SceneSwitch A67 3S 15-100W E27 3000K | E27 | A67 | 15.0 | 100 | 3000 | 1521-600-150 | 15000 | >80 | 220-240 | Yes | 929001337307 |

High Lumen LEDBulb

Bulb

High lumen LED Bulb in indoor application, even designed for a wide range of applications including damp areas. Under 220-240V, the product can deliver the best performance. And even under 90V, the bulb can be lit up, which makes it work in some unstable line voltage. LEDbulb offers up to 89% energy saving when replacing GLS and 50% when replacing a CFLi. It also has a longer lifetime of 15,000 hours (equivalent to 15years if lit 2.7 hours per day across 365 days) conditions.

Features

- Form factor is designed as a direct retrofit into high lumen LED bulbs at A75, A95, A110 and A125 shape
- Rugged plastic design

Benefits

- Long lifetime of 15,000 hours (F50L70)
- Up to 89% energy savings when replacing a GLS (50% when replacing a CFLi)
- Designed for a wide range of applications including damp areas
- Lit up under 90V line voltage. And best performance is delivered under 220V-240V

Applications

- Logic center
- Factory
- Car parking
- Convenience store
- Public space
- Garden lighting
- Wet market



Product specifications

| Product type | Lumen | Wattage | Voltage | Color temp. | Beam angle | CRI | Power factor | Lifetime | Frequency | Dimming | Order code |
|------------------------------------------|-------|---------|---------|-------------|------------|-----|--------------|----------|-----------|---------|--------------|
| | lm | W | V | K | (°) | Ra | Pf | Hours | Hz | | 12NC |
| LEDBulb 14.5-120W E27 3000K 230V A67 APR | 1800 | 14.5 | 220-240 | 3000 | 150 | 70 | >0.7 | 10000 | 50/60 | No | 929001355008 |
| LEDBulb 14.5-120W E27 6500K 230V A67 APR | 1800 | 14.5 | 220-240 | 6500 | 150 | 70 | >0.7 | 10000 | 50/60 | No | 929001355208 |
| LEDBulb 19-160W E27 6500K 230V A80 APR | 2300 | 19.0 | 220-240 | 6500 | 150 | 70 | >0.7 | 10000 | 50/60 | No | 929001355408 |
| LEDBulb 27-200W E27 6500K 230V A110 APR | 3000 | 27.0 | 220-240 | 6500 | 150 | 70 | >0.7 | 10000 | 50/60 | No | 929001355608 |

A photograph of a well-lit outdoor patio at night. The patio is covered with a wooden pergola structure. Several strings of warm white LED string lights are draped across the ceiling, creating a warm and inviting atmosphere. In the center, there is a wooden bench with a white cushion and a patterned throw pillow. To the right, a wicker chair with a blue blanket draped over it is visible. The background features a white wall with wooden shutters and various potted plants. The overall scene is cozy and modern.

LED Deco Classic

A well-loved classic with a modern LED twist

Retro and classy, yet it saves you a good 90% in energy consumption. Perfect for decorative lighting for hotels, restaurants and other creative spaces, this is the answer to a final replacement of the incandescent or tungsten equivalent. The long, elegant yet hardy strands of LED filaments gives out refined and defined warm light that cannot be distinguished from the traditional bulbs.

Application notes:

- Operating temperatures: -20°C to 40°C ambient
- Designed for indoor application only
- Not intended for use as exit lights/emergency lights
- For indoor application in open luminaires/fixtures



Visit our website

for more product information
and useful downloads.

www.lighting.philips.com.sg/oem-asia

| Legend technical specifications | Symbol | Definition |
|---------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Backwards compatible | | Workable with an older product or technology |
| Beam angle | (°) | Exit angle of the light beam |
| Central beam candela | | Power emitted by a light source in a particular direction. A common candle emits light with a luminous intensity of roughly one candela |
| Chip on board | COB | Refers to the semiconductor assembly technology where the microchip or die is directly mounted on and electrically connected to its final circuit board, instead of undergoing traditional assembly or packaging as an individual IC. |
| Correlated color temperature | K | CCT; describes whether white light appears warm (reddish), neutral or cool (bluish) |
| Color rendering index | Ra | CRI; the ability to reproduce the colors of various objects faithfully in reference to an ideal light source |
| Color consistency (initial) | SDCM | Standard Deviation of color-matching; describing the difference between two colors. E.g. a difference of 1-3 SDCM is virtually imperceptible; a difference of 4 or more is readily visible |
| Dimmable average lifetime 10% failure | hrs | Lifetime in hours, defined by reaching 10% failures (ie. 90% survivors) when dimmed |
| Dimming range | % | Dimming range in which the system will perform as specified |
| Driver power factor | % | Indicating how effective the driver converts electric current to useful power output |
| Efficiency range max load | | Efficiency when operating at maximum power (non-dimmed) |
| EOC code | | European Order Code |
| Frequency | Hz | The number of oscillations in one second. Measured in Hertz (Hz). |
| Housing color | | Color of housing |
| Input Voltage | V | Voltage required as input for the product |
| IP Classification | | Ingress protection defined in terms of object size and water beam protected against |
| Inrush current peak | | The highest current at which the capacitive components operate |
| Lifetime | hrs | Lifetime in hours, associated with specific conditions (e.g. lumen maintenance, Tc, failure) |
| Lifetime 10% failure | hrs | Lifetime in hours, defined by reaching 10% failures (ie. 90% survivors) for a population |
| Light output | lm | Output of luminous flux |
| Lumen maintenance @ 50 k hrs | % | % of the original lumen flux remaining after indicated (life-)time for a defined population; e.g. B50/L70 indicates 50% of the population retaining 70% of the original light output |
| Luminous Flux | lm | Total energy emitted by a light source across the visible wavelengths of light |
| Module efficacy | lm/W | Efficiency module; lumen output per watt input |
| Module power | W | Energy required to operate the module |
| Module temperature control | | Protective feature where the driver is regulating down the module power when a certain critical temperature of the module is passed |
| Passive cooling | | Cooling without power consumption |
| Power factor | Pf | Indicating how effective the driver converts electric current to useful power output |
| Relative Humidity | % | Portion of water vapor in a mixture of air and water vapor |
| System efficacy | lm/W | Efficiency module + driver |
| System power | W | Energy required to operate the system |
| Tc life driver | °C | Temperature of indicated point on the product on which the lifetime is based |
| Tc life module | °C | Temperature of indicated point on the product on which the lifetime is based |
| Total harmonic distortion | % | Indication of the influence of the lighting products on frequencies of other equipment |
| Zhaga | | Zhaga is an industry-wide cooperation between companies aimed at enabling the interchangeability of LED light sources made by different manufacturers |

© 2019 Signify Holding. All rights reserved.

The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.

