



RIDI LINIA continuous lighting system

The best illumination system

RIDI

Information

Luminaire luminous flux = Module luminous flux x LOR

Luminaire output = LED output + power loss of the converter

Luminaire efficiency = Luminous flux : Luminaire output

LED technology is in a continuous process of further development. The specified efficiency values are provided as an illustrative example and reflect the state of the art at the time of going to print. The latest updated values can be accessed on our website.

RIDI LINIA®

The new continuous lighting system	5	
Safe, simple, intuitive	9	
Flexible	11	
Toolless	13	
Efficient	15	
The gear trays	19	
Gear trays overview	21	
The module inserts	23	
The trunking	25	
The connectors	27	
The junction connectors	29	
The accessories	31	
The protection rating	33	
Intelligence	35	
HCL Human Centric Lighting	37	
Emergency lighting	39	
Through wiring	43	
Pin assignment	45	
Trunkings	Trunking VLTM	48
	Dummy elements	52
	Accessories	53
Gear trays	Type designation breakdown	66
	VLGFP with linear optics	67
	VLGFP ... W with diffuser	76
	VLPGFP „Protected“ for industry	80
	VLGFL with lens arrays	86
	VLG-LENSES with lens arrays	90
	VLGFS with enlarged light surface and panels	94
	VLGTF with swivel-mounted lamp	100
Modules	Modules VLMF	104
	VLMF-BLIND Blind module	106
	VLMF-ST Socket module	107
	VLM-STS Lighting track module	108
	VLMF-SEN Sensor module	110
	VLMF-HW Escape route sign module	112
	VLMF-CIRQUA Spotlight module	116
	VLMF-LUPO Spotlight module	118
	VLMF-KARO Spotlight module	120
Continuous lighting system planning		123
Planning aid for continuous lighting systems with sensor module inserts		128
Contact		130





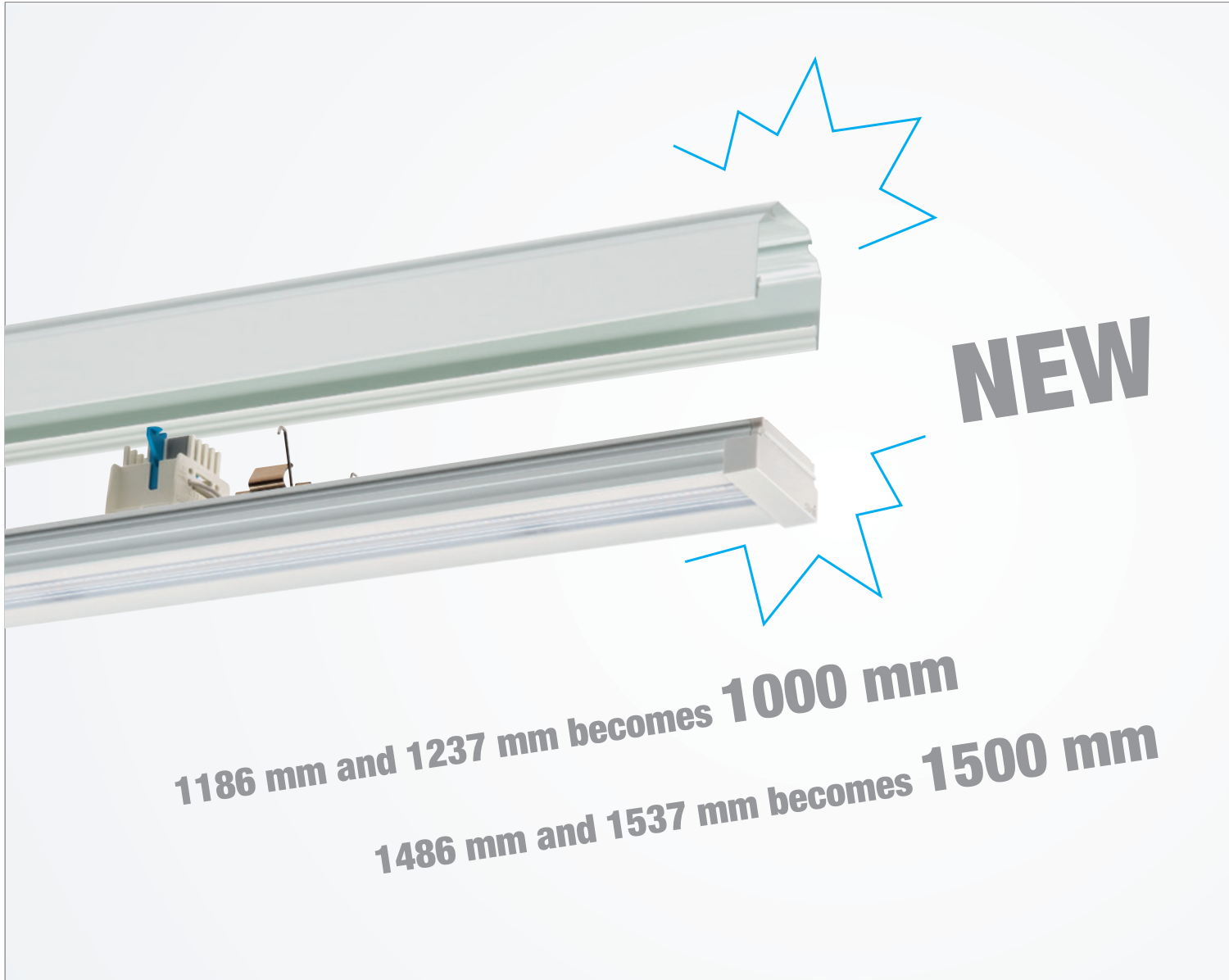
RIDI LINIA – The best illumination system

The continuous lighting system has a long history at RIDI. The RIDI quick-mounting continuous lighting system was introduced on the market as early as 1987 and was successfully relaunched in 1996 as the RIDI LINIA system. That was the foundation stone laid for today's highly-innovative and, with LED illuminants, extremely efficient and sustainable RIDI LINIA system. It is now considered one of the most advanced, easy assembly and maintenance-friendly continuous lighting systems on the European market.

Thanks to the intelligent design and highly-modern production process, the RIDI LINIA continuous lighting system impresses not only through its high quality but also through the large number of combination options.

RIDI LINIA offers solutions and variants for all indoor illumination requirements up to protection class IP 54.

THE NEW CONTINUOUS



	Trunking VLT comparable with T26 58 W	Trunking VLT-T16 comparable with T16 35/49/80 W	Trunking VLTM
1-length	1537 mm	1486 mm	1500 mm
2-length	3074 mm	2972 mm	3000 mm
3-length	4611 mm	4458 mm	4500 mm

	Gear tray VLG-F comparable with gear tray for T26 58 W	Gear tray VLG-F comparable with gear tray for T16 35/49/80 W	Gear tray VLGFP and VLGFL
-	-	-	500 mm
1237 mm	-	1186 mm	1000 mm
1537 mm	-	1486 mm	1500 mm

LIGHTING SYSTEM

LENGTHS

RIDI LINIA LED – We're making it even easier!

In keeping with the rapid technological changeover from conventional lamps to LED, we introduced our LED gear trays in lengths equivalent to the T16 and T26 gear trays in 2013. In the meantime, the LED continuous lighting system has proven itself as a stronger alternative to conventional lamps, thanks to its efficiency.

That's why we decided to make our continuous lighting system even more customer-friendly. We've greatly simplified planning by adding new dimensions in 500 mm steps.

**Another new product:
Continuous lighting system units with flexible,
adjustable luminous flux**

The 'RES-FLEX' model offers ten adjustment levels for the distribution of the luminous flux, which can be set on the gear tray itself. This allows you to adjust the light to your individual needs without DALI (for thoroughfares, workplaces, etc.)

- + It costs much less than the DALI model while still offering flexibility and custom luminous flux.

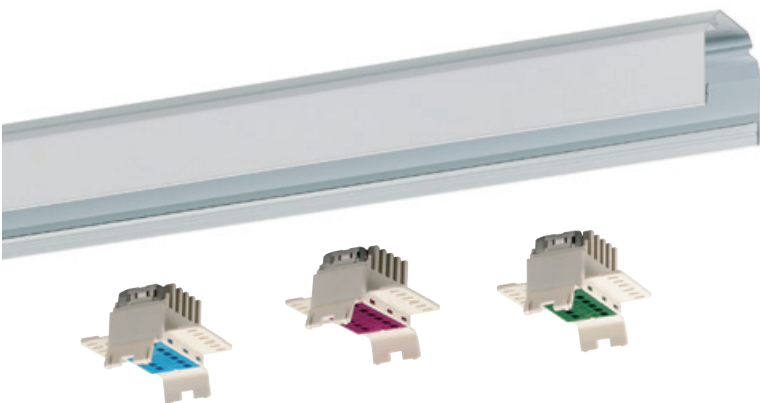
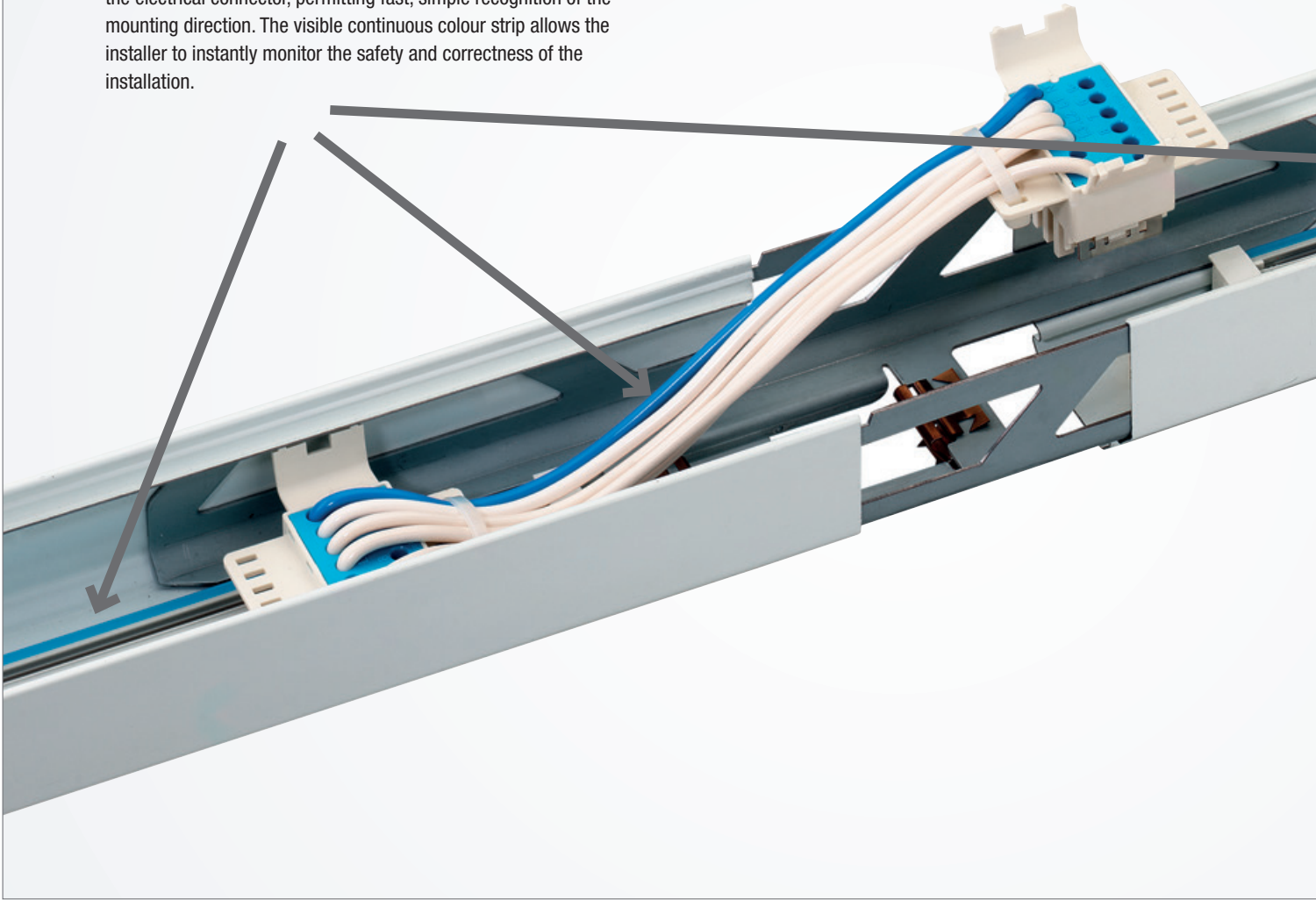
ResFlex: Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance. The values are shown in the table in the gear tray and on the data sheet. (Factory setting: maximum light distribution).



SAFE, SIMPLE,

Intuitive

The colour coding of the through wiring profiles is continued in the electrical connector, permitting fast, simple recognition of the mounting direction. The visible continuous colour strip allows the installer to instantly monitor the safety and correctness of the installation.



INTUITIVE



Consistent colour coding for the through wiring profile system

The intuitive colour navigation from the pack through to the individual components: the colour coding system uses

- blue for 5-core wiring
- purple for 7-core wiring
- green for 11-core wiring

This easily recognizable system is used consistently throughout all components of the continuous lighting system.

The gear trays are additionally protected against inadvertent polarity reversal during assembly by a mechanical coding system.

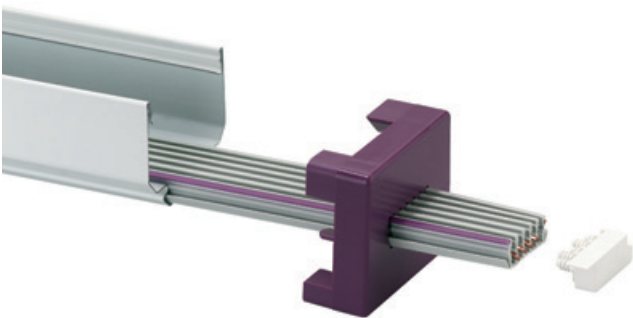
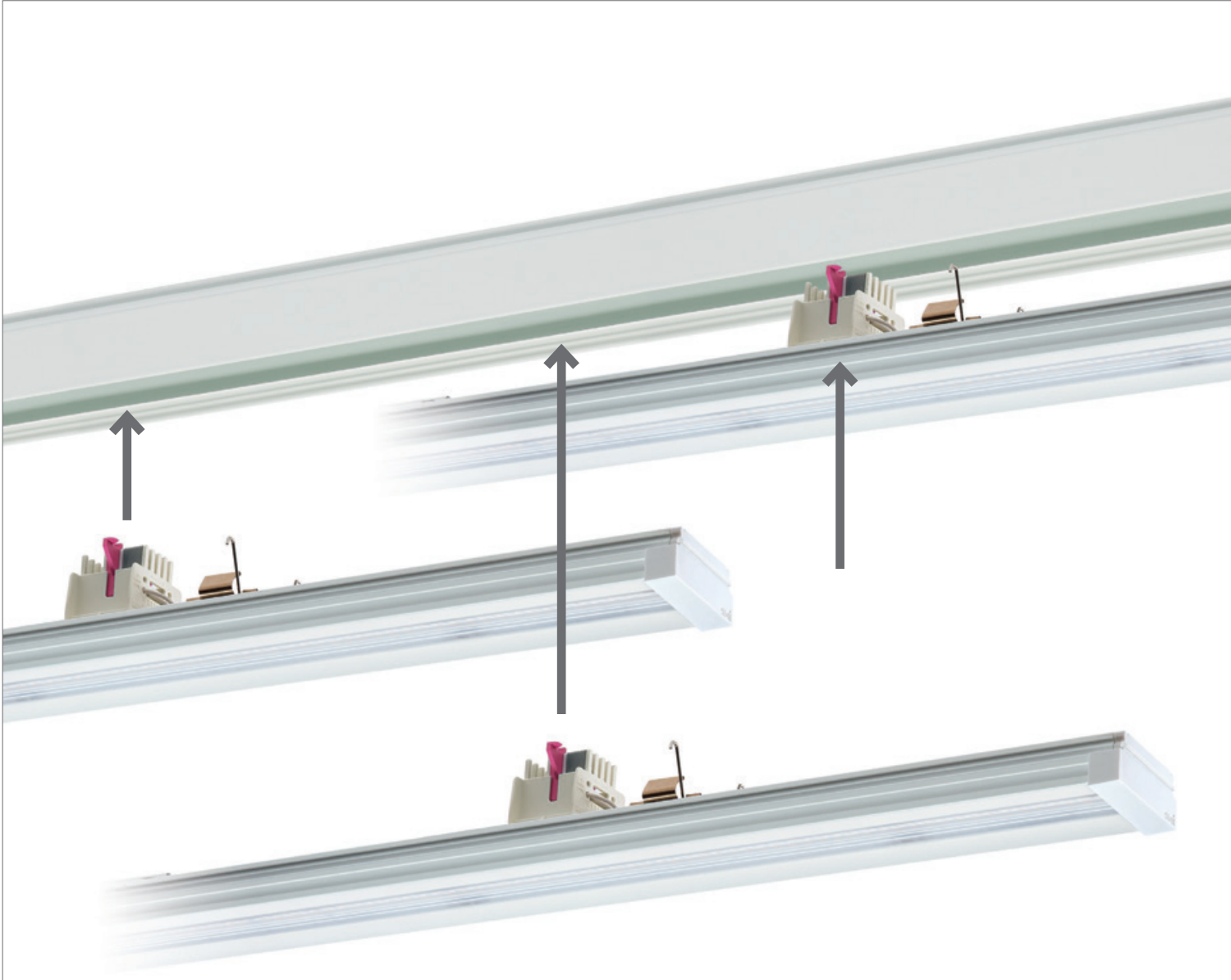
The phase selection and selection of emergency lighting circuits takes place by the simple displacement of contacts in the plug housing of the gear tray.

The continuous lighting system is earthed automatically by forced contacting at the electrical components. The ends of the through wiring profiles are closed using patented protective caps.

Colour navigation from the pack through to the individual components



FLEXIBLE



There are almost no limits to the flexibility of RIDI LINIA continuous lighting systems. The profile and trunking can be shortened by a skilled workman on site. NOTE: the protective cap must be replaced properly on the through wiring profile after cutting to size! Observe the assembly instructions.



The reliable gear tray contacting is possible at any position of the trunking along the continuous through wiring profile, permitting the structure of the continuous lighting system to be varied at will.

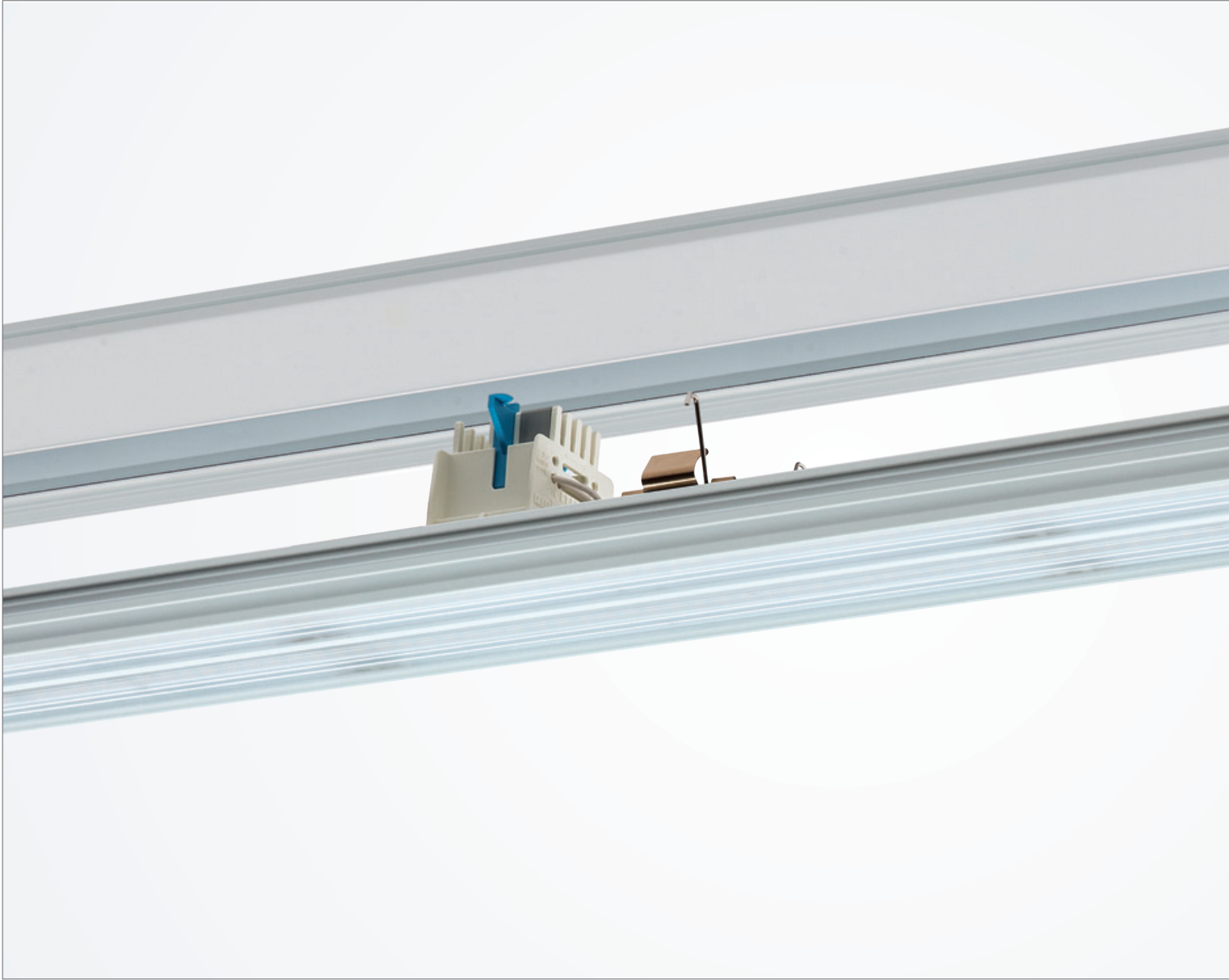
RIDI LINIA systems have a comprehensive range of gear trays with different kinds of light distribution, luminous flux and colour temperature.

Various requirements, including industrial and shop illumination, can therefore be realised just like office or accent illumination. RIDI LINIA always offers the right solution.

Combining gear trays and module inserts (spotlights, sensors, sockets, information signs, ...) makes it possible to create individualised continuous lighting systems, customisable to the requirements of the respective application.



TOOLLESS



As shown on the picture, the mechanical coding on the power take-off / gear tray prevents inadvertent polarity reversal.

Contacting the power take-off at the through wiring profile (for the sake of clarity, only the power take-off is shown here, not the complete gear tray)

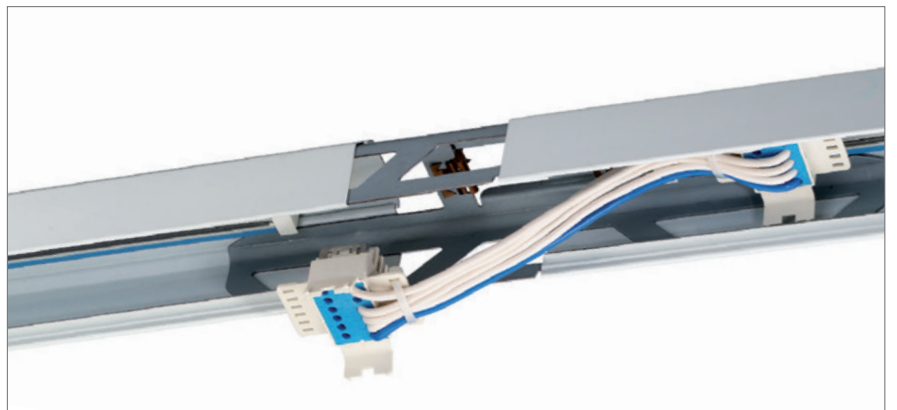
The power pick-up also has a contact at the side for automatic earthing.



The trunking can be mechanically connected without tools by simply snapping the components together. Continuous lighting systems of any length can be assembled (under consideration of the electrical guidelines). The electrical connector is also simply clipped into the trunking profile. Colour and mechanical coding prevents incorrect assembly.

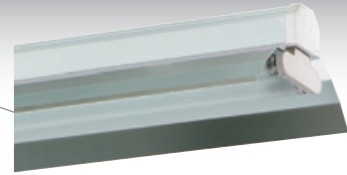
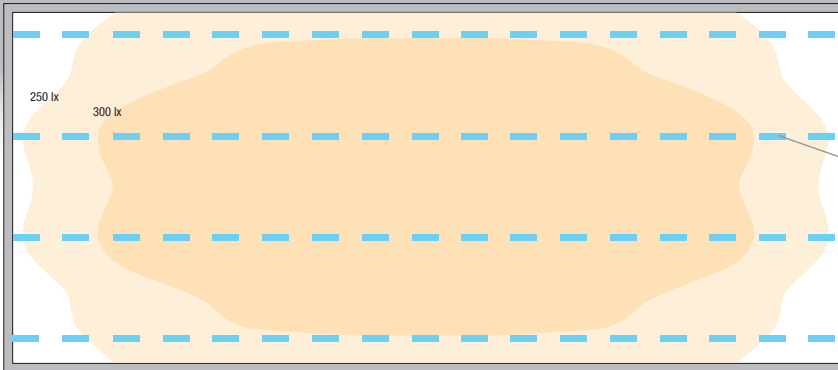
All fixing clips can be clipped onto the trunking without the use of tools and variably displaced in the lengthways direction.

The toolless mounting process used to insert the gear tray in the trunking serves the double function of electrical contacting and mechanical fixture using stable clamps that provide a secure hold also in case of fire.



EFFICIENT

BEFORE



68 x continuous lighting system with narrow beam aluminium reflector with magnetic ballasts, 135 Wsys
2 x T26 lamps (58 Watt)

Specific connected load: $7.85 \text{ W/m}^2 = 2.60 \text{ W/m}^2/100 \text{ lx}$ (Floor space: 1170.00 m²)

Example of lighting system modernization in an industrial hall

Room dimensions 52 m x 22,5 m, room height 10 m

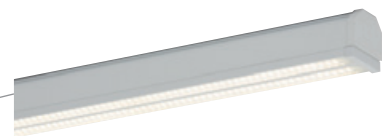
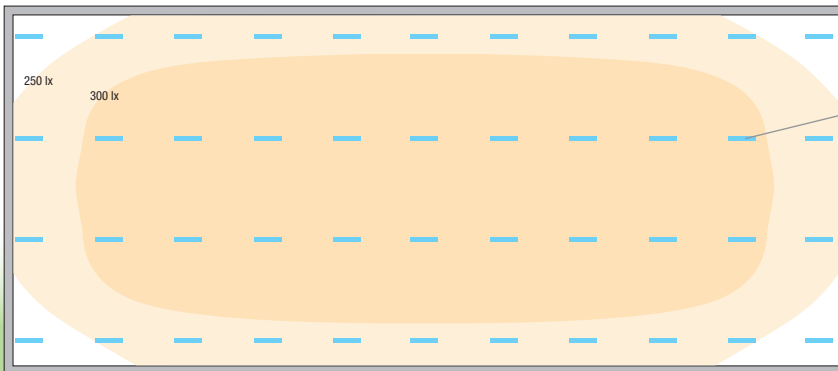
Mounting: Pendant

Luminaire type: Continuous lighting system

Maintenance factor 0,67

Recommended illuminance in accordance with DIN EN 12464-1: 200 – 300 lx

Specific connected load: $3.76 \text{ W/m}^2 = 1.22 \text{ W/m}^2/100 \text{ lx}$ (Floor space: 1170.00 m²)



44 x **LED** RIDI LINIA FLAT continuous lighting system
VLGFP1502-5NDWS840B1500
100 Wsys, 14.700 lm

AFTER

SAVINGS

BEFORE Mean illuminance on the working plane 302 lx with a connected load of **9.180 WATT**

AFTER Mean illuminance on the working plane 307 lx with a connected load of **4.400 WATT**

The RIDI LINIA continuous lighting system with variable contacting permits energy saving by accurately achieving the specified illumination level. The individual luminaires can be spaced any distance apart, the carrier rail is sealed by just a blank cover. This solution also reduces the procurement costs. Daylight and motion sensors also improve the energy efficiency to the benefit of our environment.

RIDI LINIA LED guarantees maximum energy efficiency through the use of mid-power-LEDs or LED RIDI-TUBES. No more obstacles to renovation and modernisation - lower energy consumption, long service life, reduced maintenance costs, good colour reproduction and the RIDI quality are the factors which guarantee success.

Up to 48% energy savings / lower carbon emissions p.a. due to luminaire exchange

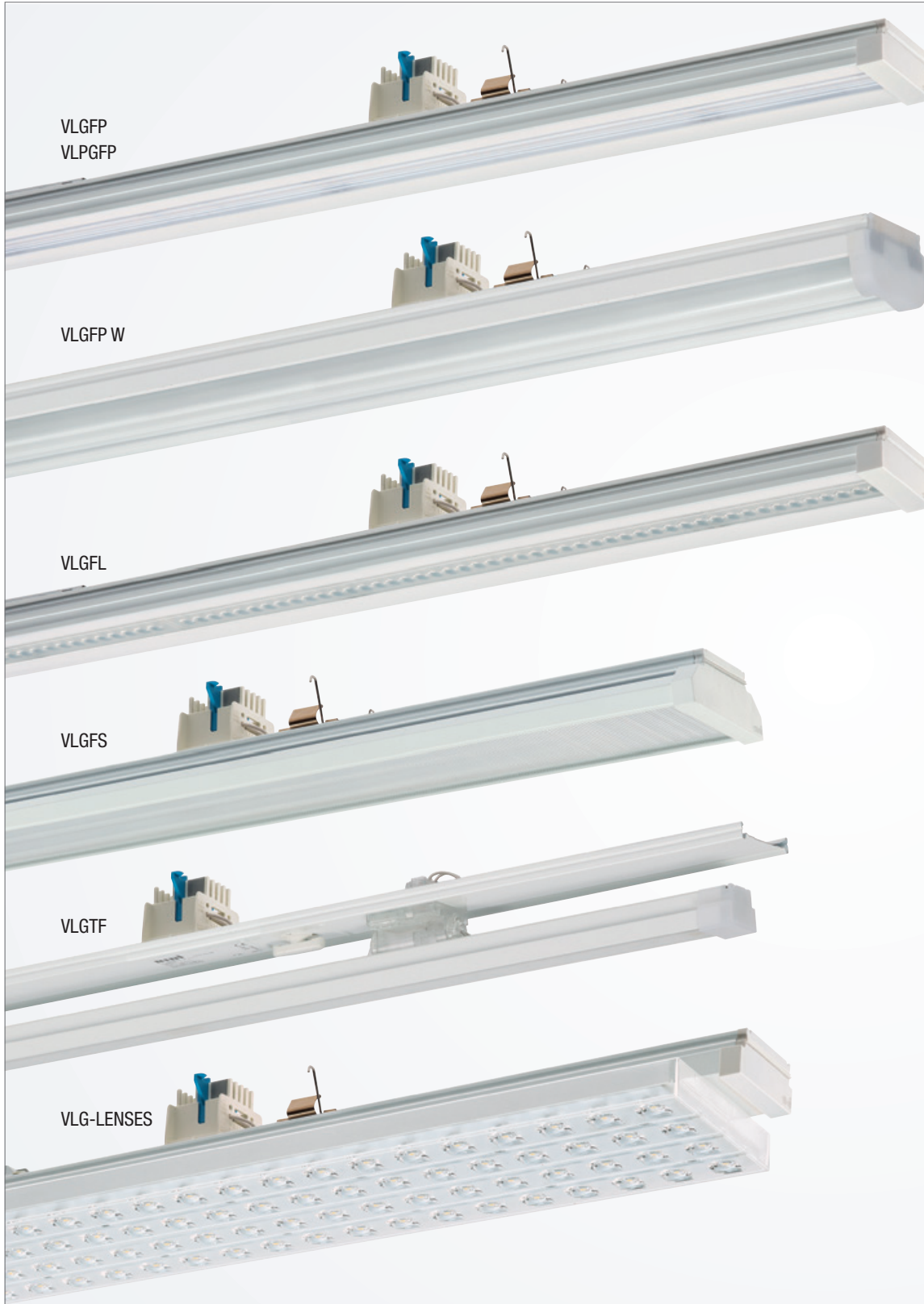
69%

Up to energy savings / lower carbon emissions p.a. due to luminaire exchange and lighting management with presence control and daylight regulation/switch-off.





THE GEAR TRAYS



The RIDI LINIA LED gear trays are available in the following standard versions:

VLGFP with linear optics, IP54

Light distributions:

B wide beam

E extremely narrow beam

A asymmetric

R Shelf-lighting optics, double asymmetric

O diffuse, opal

VLPGFP with linear optics, for industry, IP54

B wide beam

E extremely narrow beam

VLGFP W with diffuser, IP40

for diffuse light distribution and indirect component

VLGFL with lens arrays for all-round glare reduction, IP50 (IP54 under development)

Light distributions:

B wide beam

E extremely narrow beam

VLGFS with enlarged light surface and panels, IP54

BQP Linear optics with wide-beam light distribution, longitudinal glare reduction through cross-prism panel.

MP Microprism panel for all-round glare reduction

VLGTF with swivel-mounted RIDI LED lamp

L-TUBE-F with linear optics, IP20

B wide beam


O diffuse, opal

VLG-LENSES with lens arrays for all-round glare reduction, IP40


D direct

DI direct/indirect

The gear trays are offered in three versions:

 5-core with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11

 7-core with purple colour coding for mounting in VLTM-7 or VLTM-11

 11-core with green colour coding for mounting in VLTM-11

They are available with the following components:

LED converter switchable, LED converter dimmable DALI

Moreover, the ResFlex gear tray (VLGFP-RF), fitted with a non-dimmable LED converter and integrated, flexible resistance is also available. The luminous flux can be modified in ten steps directly on the gear tray itself (see page 7 for explanation).

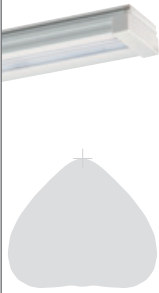
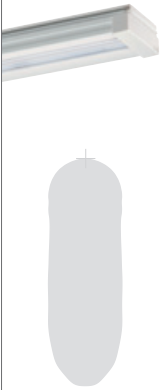


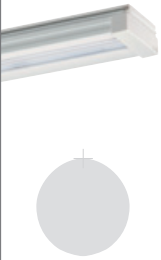

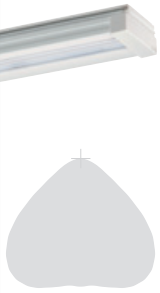
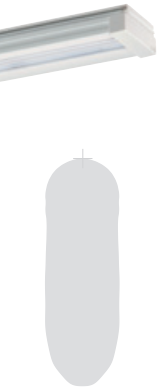
The gear trays are available in lengths of 500 mm, 1000 mm and 1500 mm. Due to the identical lm/m ratio, it is possible to combine the lengths in the continuous lighting system.

The toolless mounting process used to insert the gear tray in the trunking serves the double function of electrical contacting and mechanical fixture using stable clamps.

This solution provides a secure hold in case of fire.

The gear tray can be mounted in any optional position in the trunking with variable spacing. The interim spaces created must be fully closed using a dummy cover.









GEAR TRAYS

	VLPGFP					VLPGFP		
								
	wide beam B	extremely narrow beam E	asymmetric A	Shelf-lighting optics, double asymmetric R	diffuse, opal O	with diffuser for diffuse light distribution and indirect component W	wide beam B	extremely narrow beam E
Luminaire luminous flux	appr. 2.500 lm – appr. 17.900 lm	appr. 4.200 lm – appr. 16.800 lm	appr. 2.400 lm – appr. 15.300 lm	appr. 2.400 lm – appr. 15.300 lm	appr. 2.200 lm – appr. 13.700 lm	appr. 4.800 lm – appr. 8.200 lm	appr. 5.000 lm – appr. 16.000 lm	appr. 5.500 lm – appr. 17.000 lm
Length	500 mm 1000 mm 1500 mm	1000 mm 1500 mm	500 mm 1000 mm 1500 mm	500 mm 1000 mm 1500 mm	500 mm 1000 mm 1500 mm	1000 mm 1500 mm	1000 mm 1500 mm	1000 mm 1500 mm
Protection rating*	IP54	IP54	IP54	IP54	IP54	IP40	IP54	IP54
Colour	white silver black	white	white silver black	white silver black	white silver black	white silver black	white	white
Luminous colour	830 (3000 K) 840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	830 (3000 K) 840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	830 (3000 K) 840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	830 (3000 K) 840 (4000 K) $R_a \geq 80$	830 (3000 K) 840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$
Electrical versions	5-core 5-core ResFlex 7-core 11-core on request	5-core 5-core ResFlex 7-core 11-core on request	5-core 5-core ResFlex 7-core 11-core on request	5-core 5-core ResFlex 7-core 11-core on request	5-core 5-core ResFlex 7-core 11-core on request	5-core ResFlex 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request
Additional designs (emergency lighting)	ED** Z UR	ED** Z UR	ED** Z UR	ED** Z UR	ED** Z UR	ED** Z UR	ED** Z UR	ED** Z UR

* The trunking mount must be fitted with the appropriate seals for continuous lighting systems with IP54 protection rating.

** Only available for gear trays 1500 mm in length.

OVERVIEW

VLGFL		VLG-LENSES		VLGFS		VLGTF	
							
wide beam B	extremely narrow beam E	direct beam D	direct/indirect beam DI	Microprism panel for all-round glare reduction MP	Linear optics with wide-beam light distribution, longitudinal glare reduction through cross-prism panel BQP	wide beam B	diffuse, opal O
appr. 4.500 lm – appr. 15.400 lm	appr. 4.500 lm – appr. 15.400 lm	appr. 3.300 lm – appr. 4.900 lm	appr. 5.000 lm – appr. 6.050 lm	appr. 4.800 lm – appr. 15.500 lm	appr. 4.700 lm – appr. 15.200 lm	appr. 8.200 lm	appr. 7.000 lm
1000 mm 1500 mm	1000 mm 1500 mm	1100 mm 1500 mm	1100 mm 1500 mm	1000 mm 1500 mm	1000 mm 1500 mm	1500 mm	1500 mm
IP50 (IP54 under development)	IP50 (IP54 under development)	IP40	IP40	IP54	IP54	IP20	IP20
white	white	white black	white black	white	white	white	white
840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	840 (4000 K) $R_a \geq 80$	840 (4000 K) $R_a \geq 80$	830 (3000 K) 840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	830 (3000 K) 840 (4000 K) 850 (5000 K) 865 (6500 K) $R_a \geq 80$	840 (4000 K) $R_a \geq 80$	840 (4000 K) $R_a \geq 80$
5-core 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request	5-core 7-core 11-core on request
ED** Z UR	ED** Z UR	on request	on request	ED** Z UR	ED** Z UR	on request	on request

5-core: switchable | **5-core ResFlex:** switchable | **7-core:** DALI dimmable OR switchable + emergency lighting | **11-core:** DALI dimmable + emergency lighting

THE MODULE



Blind module insert
VLMF-BLIND



Socket module insert
VLMF-ST



Lighting track module insert
VLM-STS



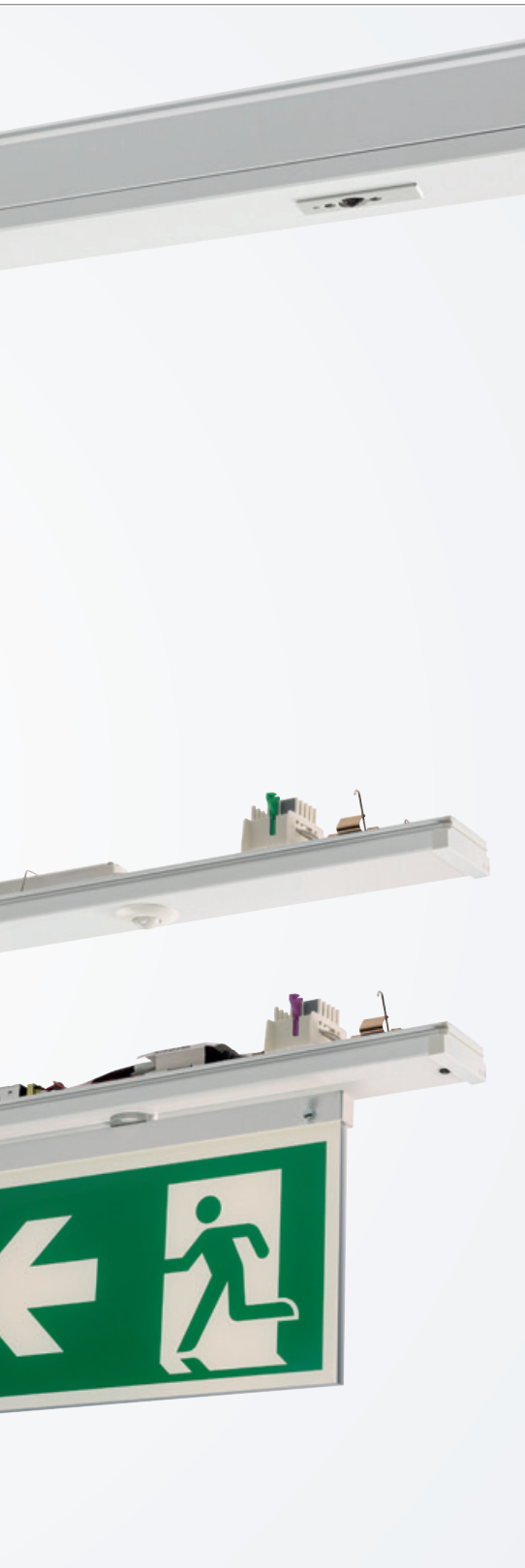
Sensor module insert
VLMF-SEN



Escape route sign module insert
VLMF-HW



INSERTS

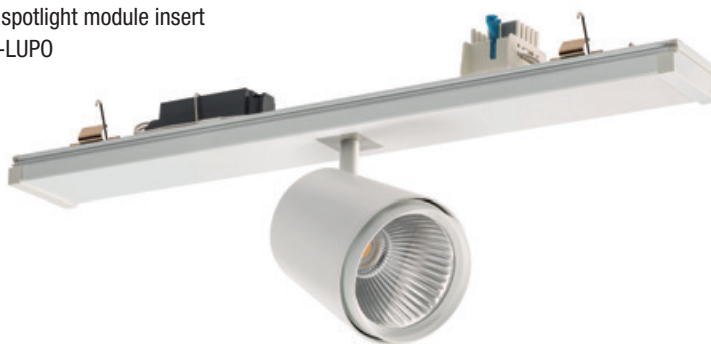


RIDI LINIA offers a wide range of module extensions. These are the ideal supplement to the RIDI LINIA continuous lighting system. The modules are designed in cross-section for the system, and are optically uniform with the gear trays. They can be inserted in the trunking at any point without use of tools (exception: trunking joint).

The modules and gear tray can be freely combined in a continuous lighting system depending on requirements.

The spaces created as a result can be completely closed using a dummy cover. (VLBKM for protection rating IP20, VLSBKM for protection rating IP54).

LUPO spotlight module insert
VLMF-LUPO



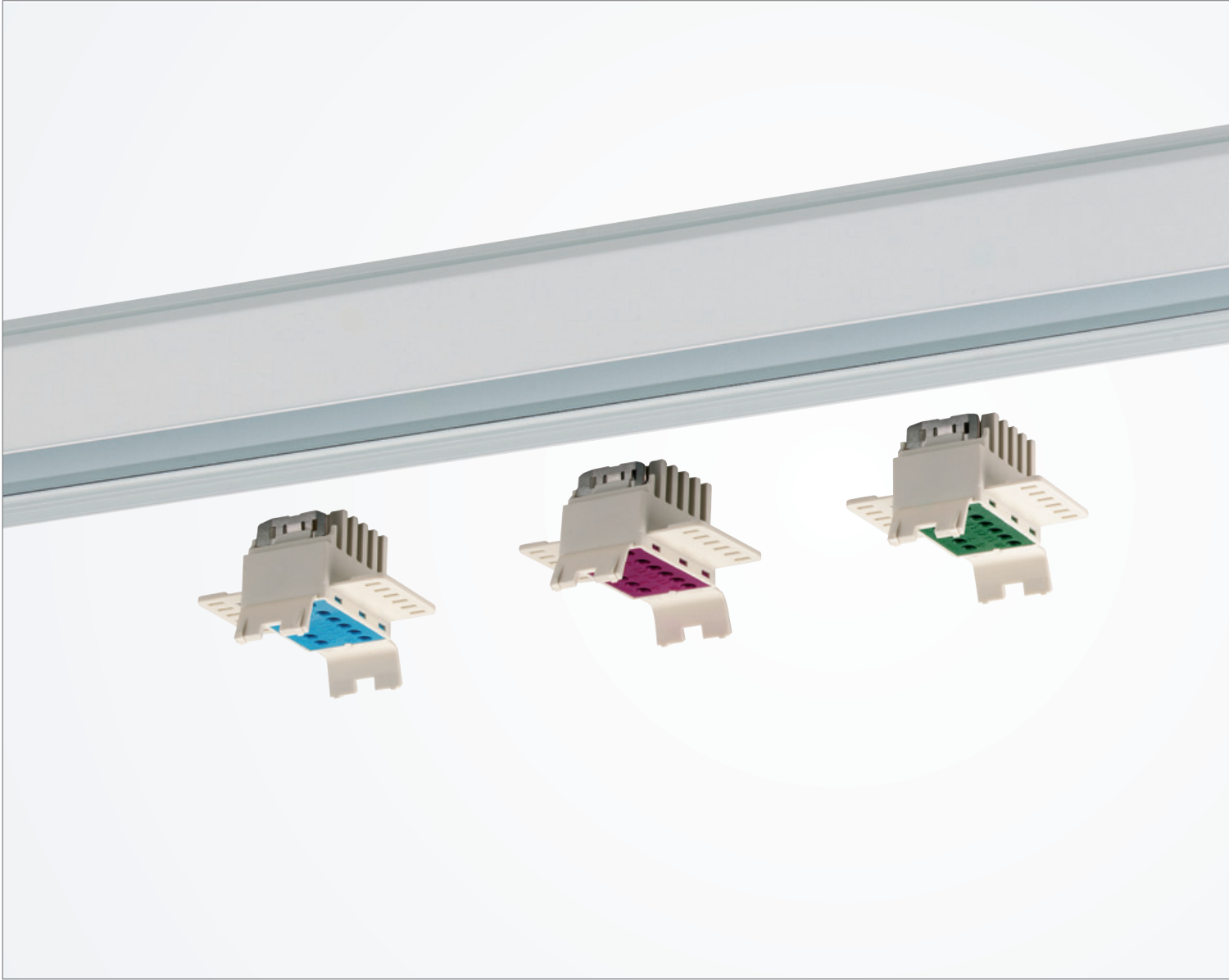
KARO spotlight module insert
VLMF-KARO



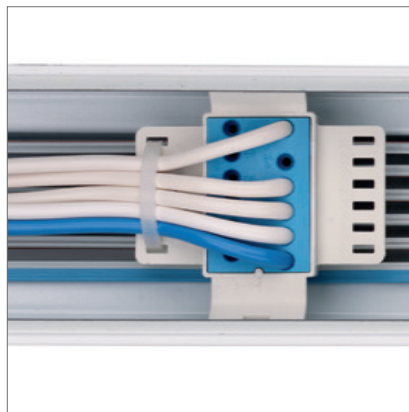
CIRQUA spotlight module insert
VLMF-CIRQUA



THE TRUNKING



Cross section through the trunking with through wiring profile



Connection to the power supply
With mains connection VLNE-... S
for solid core conductors (rigid), 1.5 + 2.5 mm²
With mains connection VLNE-... F
for stranded conductors (flexible), 1.0 - 2.5 mm²



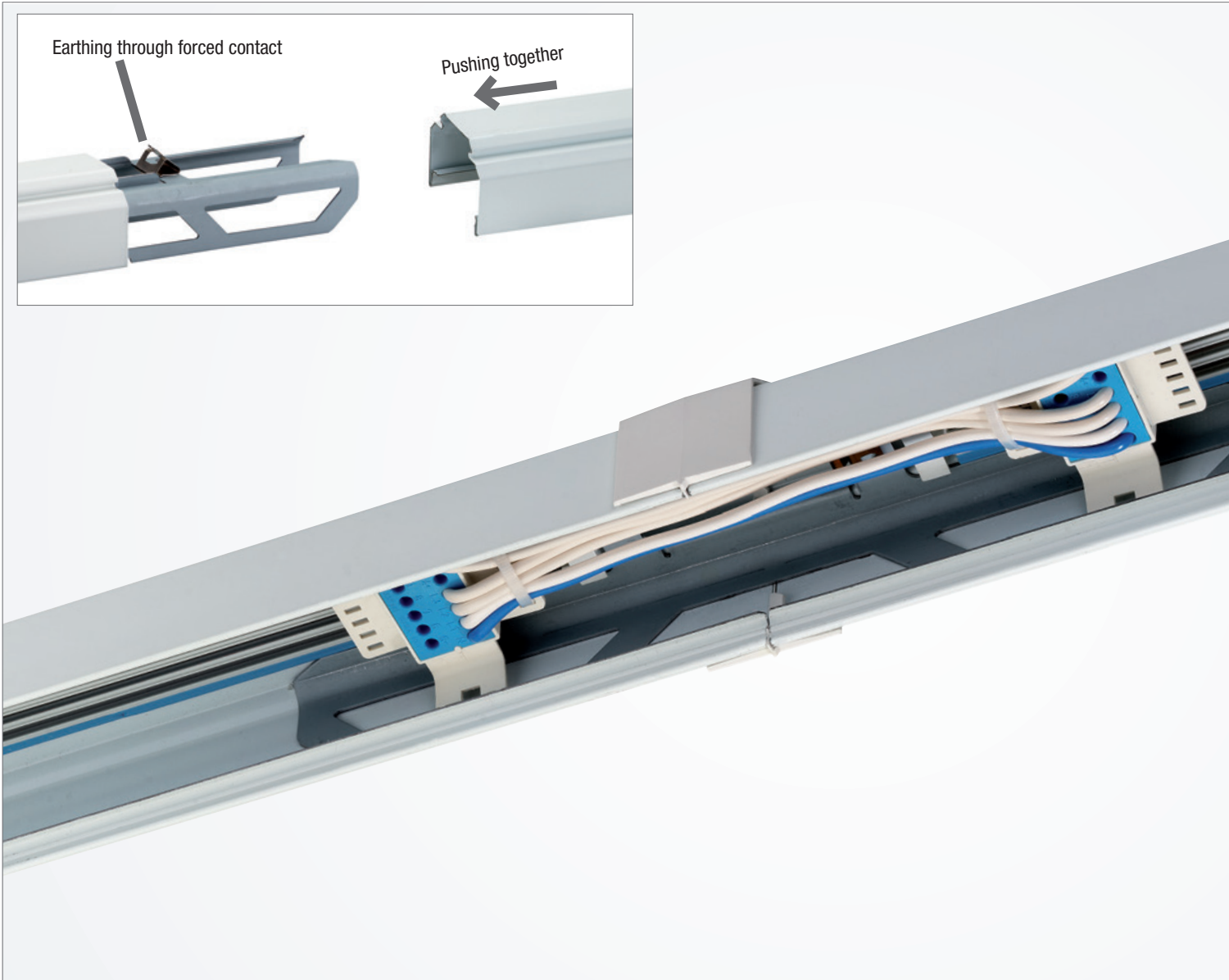
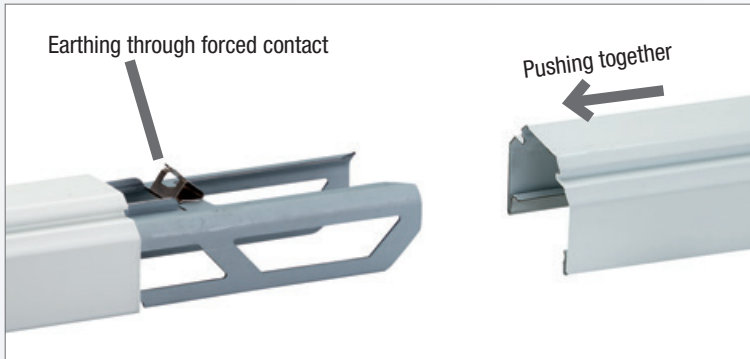
The benefits of the trunking with through wiring profile:

- + Toolless assembly of trunking connector, fixing accessories and terminals
- + Simple assignment trunking and trunking connectors as well as electrical connector blocks due to colour coding
- + Inscription on the mains connection is legible from below for ease of assembly.
- + The mains connection is additionally identified by a mechanical coding system to prevent inadvertent polarity reversal during assembly.
- + The continuous lighting system is earthed automatically by forced contacting both at the trunking connectors and the mains connections.
- + There are two forms of mains connection possible:
 - at the face end through the knockouts in the end cap
 - from above through the knockouts at the joints between two trunking elements
- + Reliable gear tray contacting is possible at any position of the trunking along the continuous through wiring profile, permitting the structure of the continuous lighting system to be varied at will.
- + The same trunking can be used in the RIDI LINIA continuous lighting system for protection ratings IP20, IP40, IP50 and IP54. For IP40, IP50 and IP54, the seal VLTVD is additionally required.



The continuous lighting system is earthed automatically by forced contacting

THE CONNECTORS



Trunking connector VLTVA
To increase the mechanical strength of the
trunking joint



The standard VLTM ... trunking units are available in lengths of 1,000 mm, 1,500 mm, 2,000 mm, 3,000 mm and 4,500 mm.

The trunking connector can be used to create continuous lighting systems to any optional length.

Mechanical connection takes place without the need for tools by simply plugging together the components. This automatically establishes the PE conductor connection.

To increase the mechanical strength of the trunking joint, in addition to the internal connector, the external trunking connector VLTVA can also be used (exclusively for IP20 compliance).

The electrical trunking connectors are also colour coded to match the trunking elements, and are available in a 5-core (blue), 7-core (purple) and 11-core (green) version.

The through wiring profiles are connected and automatically earthed by simply clipping in the electrical connectors. The electrical connector is reliably protected against inadvertent polarity reversal during assembly by a mechanical coding system. The mounting aid VLTVE-MH (Item no.: 0204009) can be used to simplify the installation.

The colour coding of the through wiring profiles is continued in the electrical connector, permitting fast, simple recognition of the mounting direction. The visible continuous colour strip allows the installer to instantly monitor the safety and correctness of the installation.

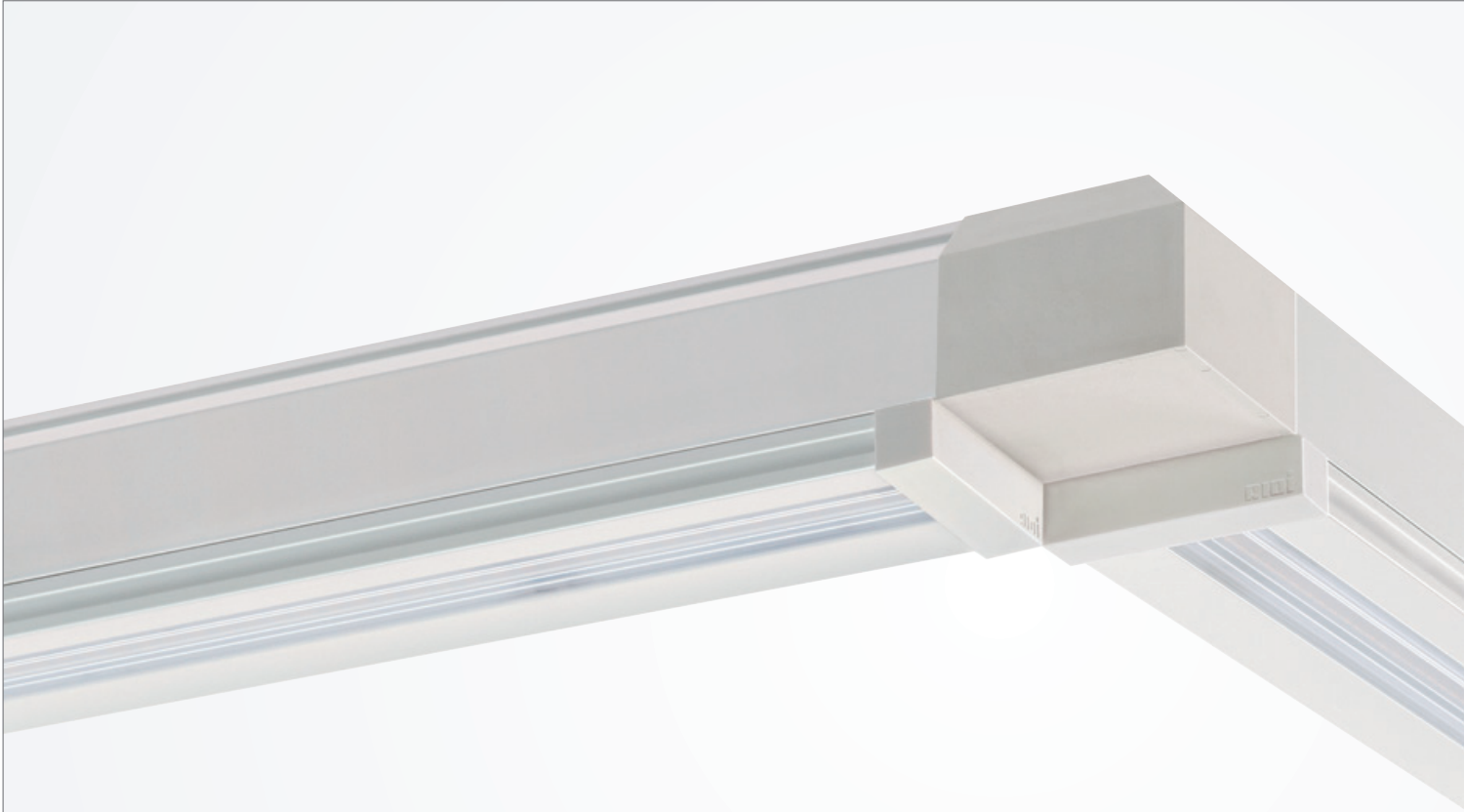
The same trunking units are used for the protection ratings IP20 and IP54. For IP54 compliance, use of the seal VLTVD is required at the connection points.

Internal mechanical and electrical connection
with colour coding

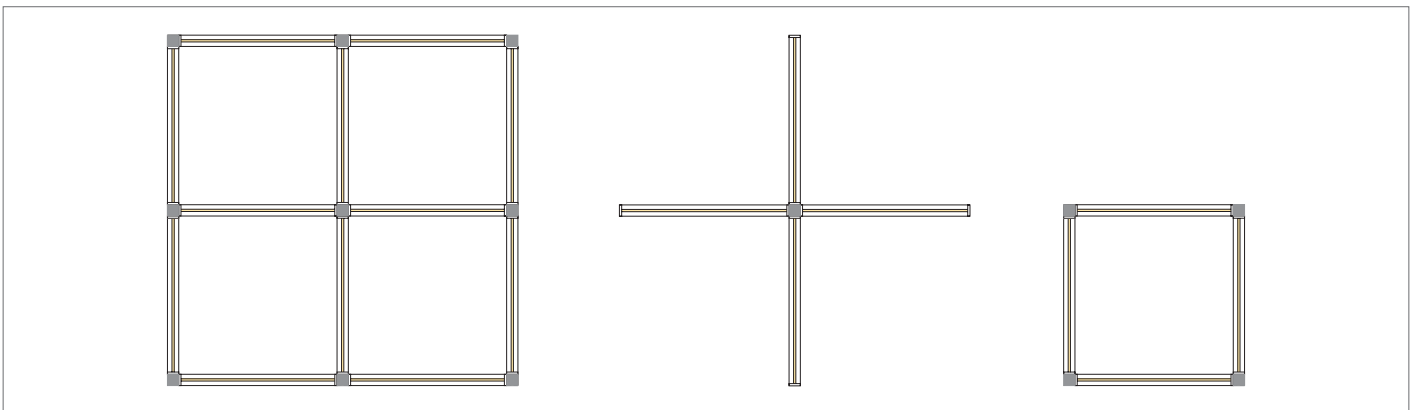
Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ...-600.



THE JUNCTION



The L, T and X connectors feature a new design and are available in the standard white, silver and black colours.



Options for designs with L, T and X connectors.

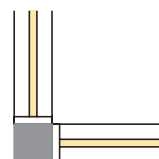
CONNECTORS

The newly developed junction connectors feature a delicate, flat design and form fit with the trunking, underlining the slender overall appearance of the RIDI LINIA continuous lighting system. The connectors, available in L, T and X shapes, permit a wide range of right-angled designs.

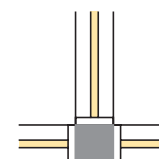
Additional suspension is no longer required with the new connectors. The continuous lighting system unit is suspended from the trunking as usual using the normal mounting clips. The connectors are purely mechanical, and do not include a trunking profile. Electrical connection to the trunking is handled using the separately available VLTVE-...-KN connector. Through wiring is available in 5-core, 7-core or 11-core designs.



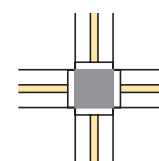
L-shaped junction connector



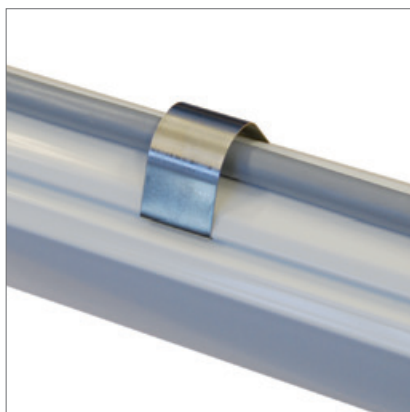
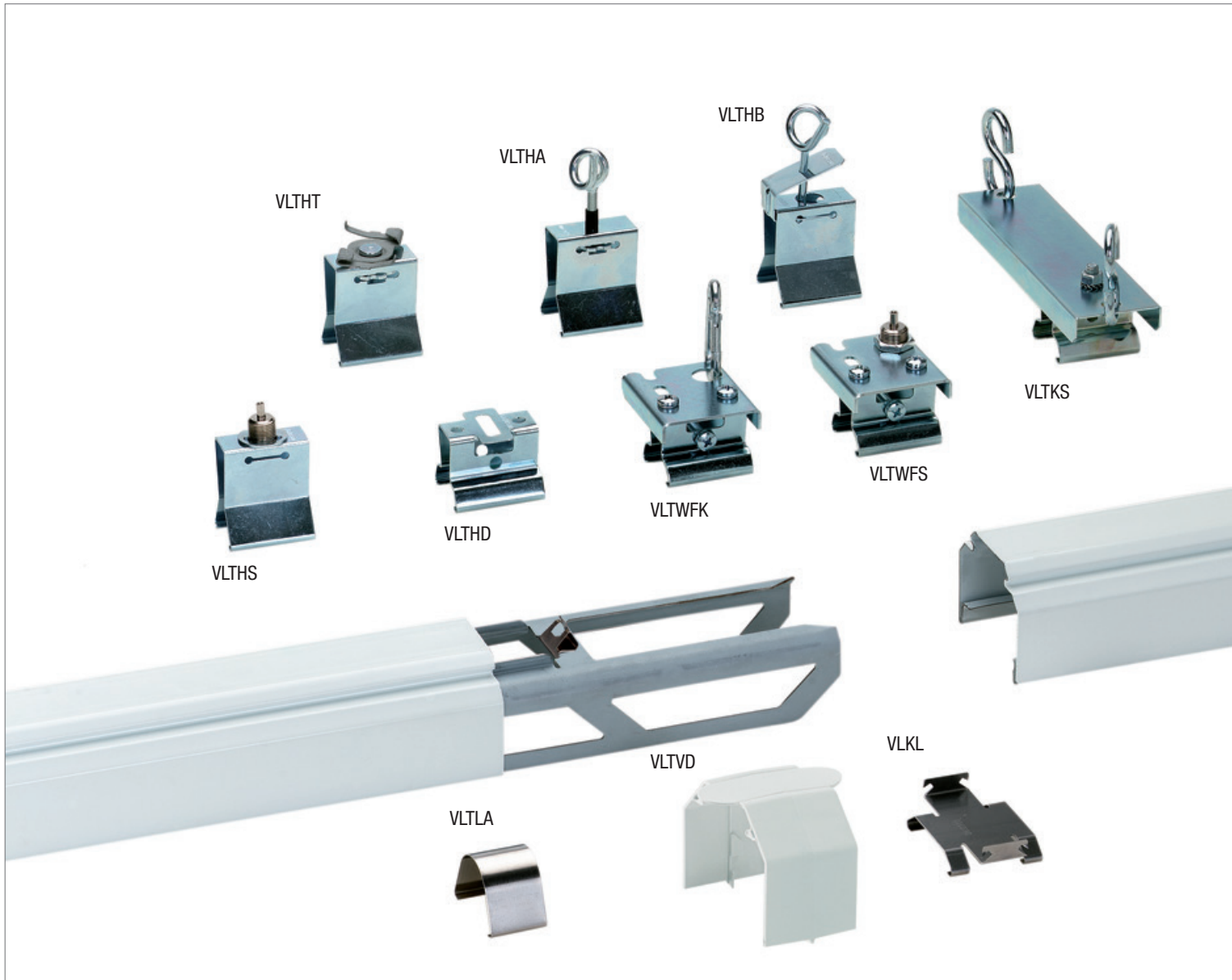
T-shaped junction connector



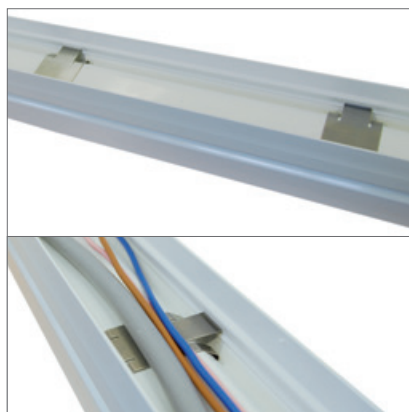
X-shaped junction connector



THE ACCESSORIES



Cable clip VLTLA
For simple clipping onto the trunking



Cable channel VLKL
Comprising VLKL clips and the relevant profiles in plastic. Suitable for laying in additional cables or for covering fixing elements. Toolless mounting at the side is also possible subsequent to installation.



All fixing clips can be clipped onto the trunking without the use of tools and variably displaced in the lengthways direction, permitted dimensionally flexible suspension of the trunking.

Whether surface mounting, wire or chain suspension, the wide range of RIDI LINIA accessories offers the right solution every time.

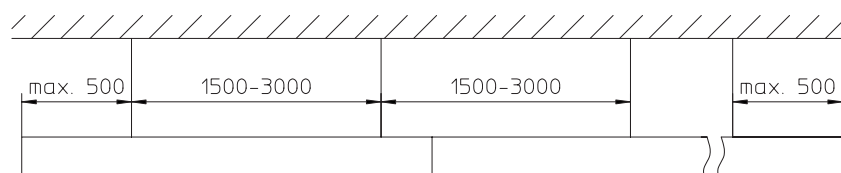
Examples:

- With the VLTHA, the height can be precisely adjusted to the millimetre using a threaded nut
- With the VLTKS, the continuous lighting system can be suspended at an incline using chains of different lengths.
- VLTHT can be clipped directly onto the T-profile of the room ceiling.
- Using VLTLA and VLKL, additional conductors can be guided along the length of the continuous lighting system.

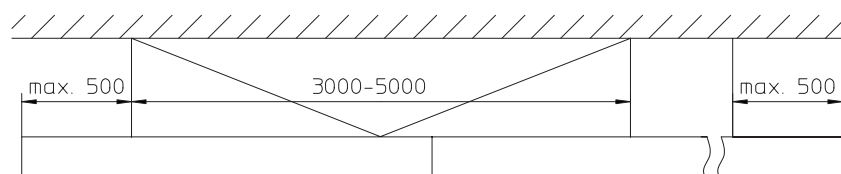
The spacing between fixing points depends on the configuration / weight of the continuous lighting system.

The maximum spacing is 3 m for exposed operation with vertical suspension. Distances of up to 5 m are possible with an "M" suspension arrangement (see sketch).

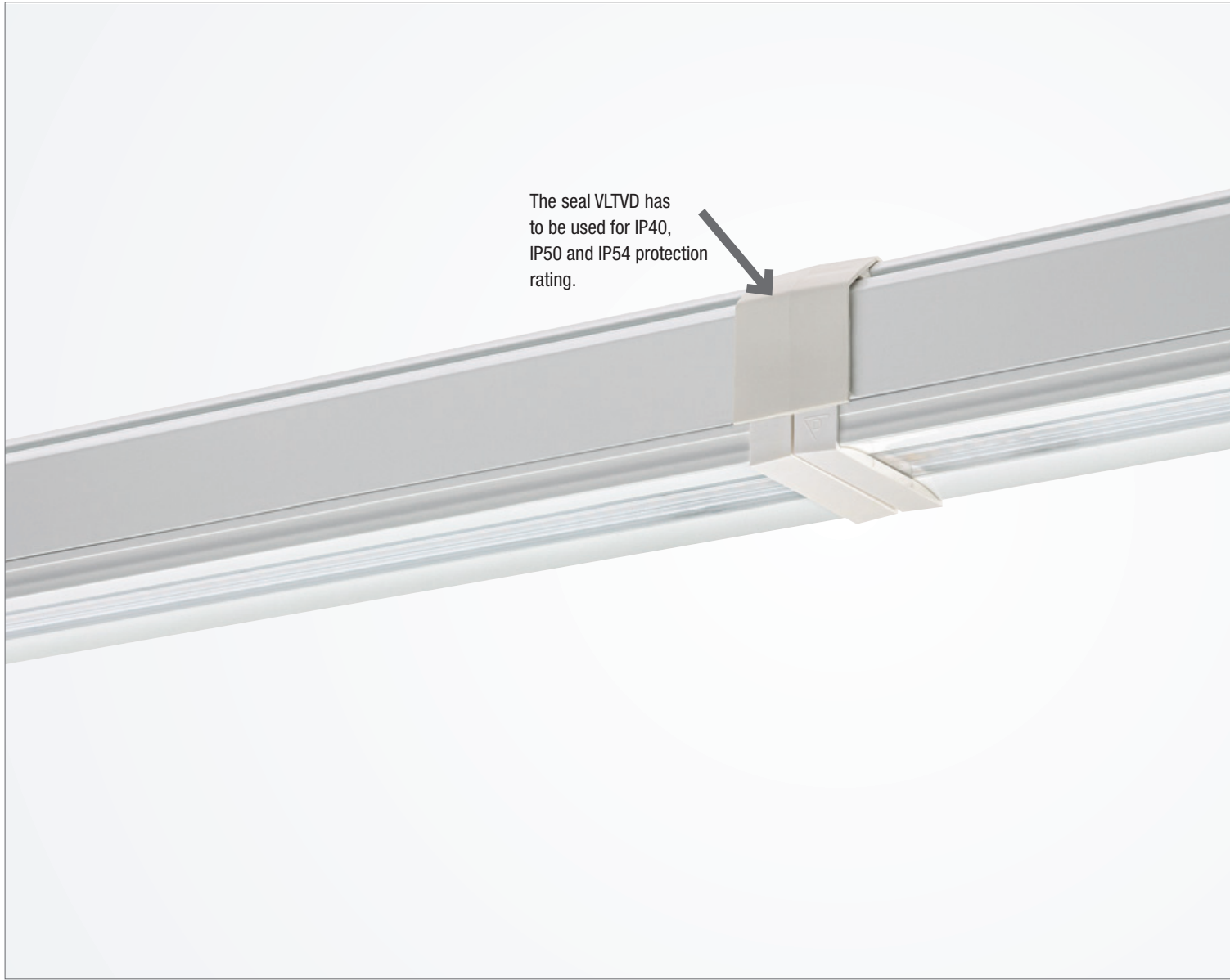
Distance between fixing points with vertical suspension



Distance between fixing points with "M" suspension arrangement



THE PROTECTION



VLBKM for IP20 protection rating (plastic)



VLSBKM for IP54 protection rating (plastic)



VLSBM for IP54 protection rating (metal)

RATING



Depending on what the room is used for, different demands are made on the luminaire protection rating. The specifications for production workshops differ considerably from those for office spaces or classrooms.

Protection ratings:

IP20: Protection against objects ≥ 12.5 mm

IP40: Protection against objects ≥ 1 mm in diameter

IP50: Dustproof

IP54: Dustproof and splashproof

The same trunking can be used with the RIDI LINIA continuous lighting system to comply with either the IP20, IP40, IP50 or IP54 protection ratings. The required protection rating is achieved by selecting the suitable gear trays. The VLTVD seal must be fitted to the trunking connection for a continuous lighting system with protection rating IP40, IP50 and IP54.

Gear trays in protection rating IP20:

VLGTF with swivel-mounted RIDI LED lamps

Suitable dummy covers: VLBKM ... (plastic)

Gear trays in protection rating IP40, IP50 or IP54:

VLG-LENSES with lens arrays (IP40)

VLGFP W with diffuser (IP40)

VLGFP with linear optics (IP54)

VLGFL with lens arrays (IP50, IP54 under development)

VLGFS with enlarged light surface and panels (IP54)

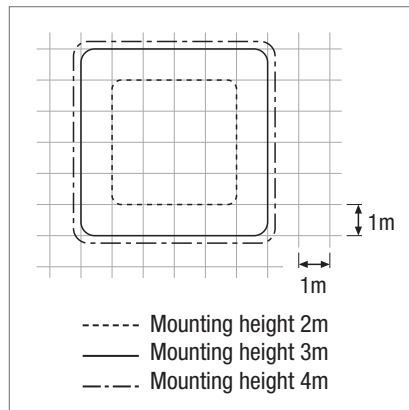
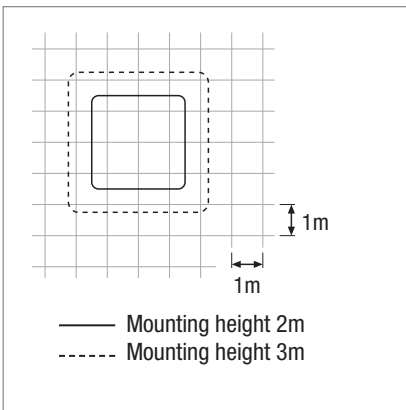
The **Seal VLTVD** has to be used at the trunking connection. Dummy cover VLSBKM ... (plastic) or VLSBM (metal) for IP54 can be shortened by the user as required. Here, the seal VLSBKD is mounted at the ends.

When using gear trays with IP40, IP50 or IP54 protection rating and dummy cover VLSB ... for IP54, the positive locking fixture between the trunking and dummy cover in the longitudinal direction eliminates the need for any additional means of sealing. This puts an end to the risk of seal ageing and fatigue, and ensures that the luminaire remains fully compliant with the protection rating over its entire life.

The mains supply can be fed at the ends of the continuous lighting system or at the butt joints between two trunking elements. A sleeve is used for this which completely surrounds the cable and so guarantees the IP54 rating.



INTELLIGENCE



VLGFP-SN gear tray with integrated sensor for presence and motion detection (available on request)
Presence detection area (for workplace use) Motion detection area (for use in corridors)

The intelligent continuous lighting system with integrated motion and brightness sensor provides light only when it is needed.

The light is switched off if no motion is detected, or if daylight is sufficient.

A range of components are available to integrate motion and daylight sensors in the continuous lighting system:

- VLGFP-SN gear tray with integrated motion and daylight sensor
- VLMF-SEN module inserts with motion and daylight sensors up to 16 m high

The system is mounted to the VLTM standard trunking with trunking profile.

Retrofitting to already installed 7 or 11-pin systems is possible by simply replacing the gear tray (plug & play).

The system can be put into operation without needing additional control cables or luminaire addressing.

The sensors are shipped in a basic factory configuration. Depending on the module, this can be modified on the module directly, using a remote control, or with a smart-phone IR adaptor and an appropriate app.

The system can theoretically be used in any type of environment. It should be noted that any potential savings are reduced as the number of persons present increases. Particularly suitable applications include corridors, common rooms and temporarily manned workstations or offices.

A sensor layout planning guide is available on pages 128 and 129.



Sensor module inserts
VLMF-SEN

HUMAN CENTRIC

Light influences our body clock

The human body begins to produce the stress hormone cortisol in the early hours of the morning. As the proportion of blue in the morning light and daylight increases, production of the natural sleep hormone melatonin is inhibited.

Both of these processes lead to an increase in the release of the mood enhancer serotonin, resulting in increasing wakefulness. As the concentration of this neurotransmitter increases, we feel increasingly fit and energized.



Cold white 6500 K



Neutral white 4500 K



LIGHTING HCL

As the blue proportion diminishes towards evening to be replaced by more reddish light, these processes are reversed, resulting in increased production of melatonin, accompanied by a feeling of tiredness.



Light is what shapes our natural circadian rhythm and has a major impact on our ability to concentrate. The focus here is on promoting health and the influence of artificial light on well-being. The spectral composition of artificial light and its lighting level should follow the natural progression of the daylight and simulate it as far as possible.

Light and health

Equally important for schools, offices, industrial spaces, hospitals and senior residences is the contribution lighting can make in terms of health and well-being. Performance optimisation is another important aspect for work environments.

Many people work in shifts and suffer from a confused circadian rhythm, caused by the irregular working hours. Studies have shown that biologically effective lighting can deliver multiple improvements: employees feel more awake, and have measurably higher performance. Higher intensity illumination and dynamically changing light colour has a positive effect on concentration.

The same can be observed with schoolchildren, who are usually still in sleep mode when class begins in the morning. HCL can help give their biorhythm the stimulus required to increase retention and concentration. Students working under concentration-enhancing light have shown significantly increased performance in studies.

Biologically effective light has also shown positive effects in hospitals and care facilities. Patients and people requiring nursing care due to bed rest or limited mobility may only rarely or never have a chance to go outdoors.

In these cases, lighting adjusted to match the course of the day can become an important timer for their internal clock. By changing light colour and different illumination intensities, Human Centric Lighting (HCL) supports human sleep and wake cycles, emotional sensitivity and thereby also personal regeneration.

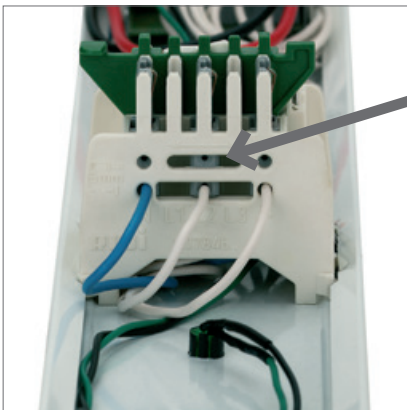
Light management

Light management has to be used according to demand and made as easy as possible for the user. The operator of the lighting system focuses on efficiency and the connection to a building management system. The user sees the tasks of light management more in terms of convenience and health. These different approaches have to be linked for the individual application solutions to allow implementation of the optimum light management system.

RIDI Group offers a wide range of lighting control solutions. Focused on the requirements and needs of the user, these range from simple motion detection through to daylight-controlled colour temperature management.

The Tunable White gear trays used in the RIDI LINIA continuous lighting system (available on request) allow control of colour temperatures between 3000 and 6500 kelvin (warm white/cold white light), supporting the human sleep/wake cycle.

EMERGENCY



Phase selection by displacing the contact
Standard setting = L2
Displacement is possible to the left for L1
or to the right for L3



In the 11-core version, the emergency lighting circuit can additionally be selected by displacing the contacts.

LIGHTING

General power supply failures can lead to a risk of accidents for people. For this reason, legislators have prescribed a range of regulations for emergency lighting in workplaces. The RIDI LINIA continuous lighting system is available in a range of emergency lighting models. The continuous lighting system for emergency lighting can be planned with both 7-pin and 11-pin take-offs:

7-pin take-off:

5 x 2.5 mm² & 2 x 1.5 mm² for additional control cable or emergency lighting

11-pin take-off:

- 5 x 2.5 mm² & 6 x 1.5 mm² for additional control cable and two emergency lighting circuits
- 11 x 2.5 mm² for additional control cable and two emergency lighting circuits
or for two three-phase circuits with phase selection at the gear tray and two additional control cables

On request, the RIDI LINIA gear trays are available as emergency lighting models for central supply (Z, UR) or independent supply (ED) (in some cases only for gear tray lengths of 1500 mm, please contact the factory).

Central supply

(Maintained switching UR or non-maintained switching Z)

The emergency luminaires are supplied from a group supply source, either a central battery system or emergency back-up generator. Using a central battery system, emergency devices and luminaires are supplied without power limitation, i.e. the capacity of the central battery system corresponds with the total requirements of the emergency luminaires to be supplied. Group battery systems are subject to an output limitation and also a restriction of the number of operated emergency luminaires.

For emergency supply from a central battery, we offer two alternative versions:

UR: LED converter with switchover device (**maintained switching**)

The relay switches from mains power to emergency supply in the event of a power failure. In emergency lighting mode, 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Z: LED converter without switchover device (**Non-maintained switching**)

Central switchover to emergency supply. The luminaire only functions for emergency operations.

In emergency lighting mode, 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Independent supply (Maintained switching ED)

For independent supply, emergency lighting elements are used with maintenance-free batteries and integrated in the luminaire. The unit supplies the LED inside an emergency luminaire. The system includes a charging and control system (self-test, status indicated by two-colour LED). The batteries are protected against overcharge and deep discharge. Output of approx. 3 watts can be assumed during emergency operation.

The luminous flux during emergency operation can therefore be easily calculated based on the luminaire efficiency (approx. 450 lm).

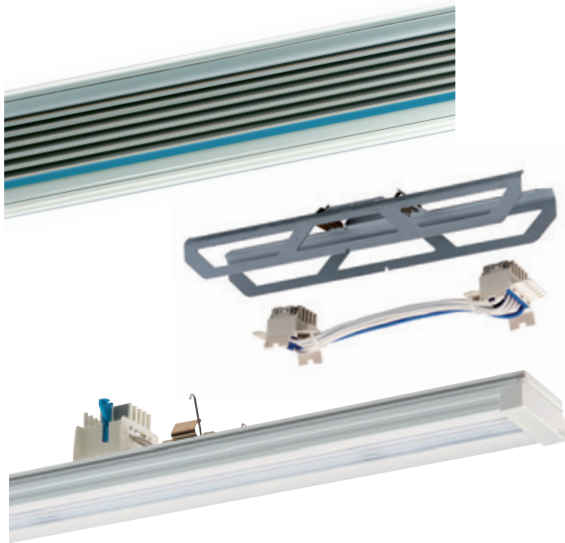
Maintained operation: The luminaires are constantly operated by the mains power supply and the LED converter. In the event of a power failure, operation switches to the battery supply and the emergency lighting element, with a rated operating period 3 h.





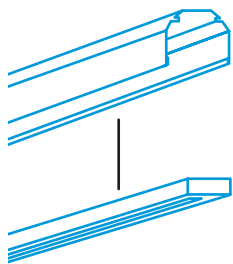
THROUGH WIRING

5 | BLUE



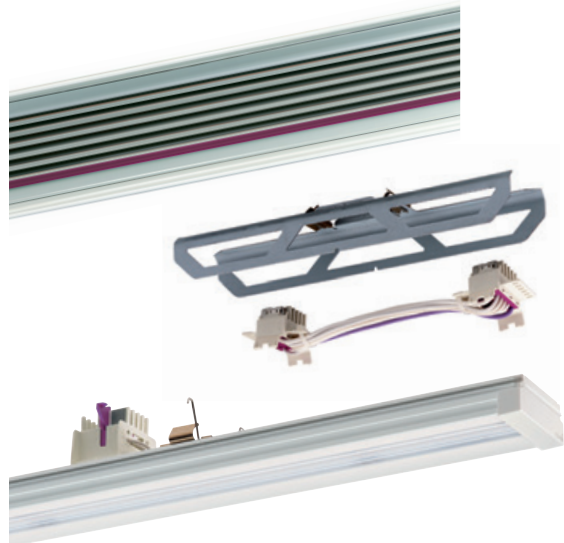
BLUE = 5-core through wiring profile

Through wiring:
5 x 2.5 mm²
For three-phase wiring
with phase selection at the gear tray



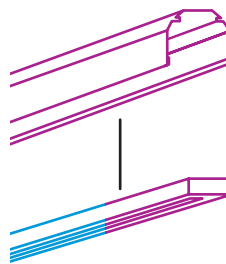
Trunking
VLTM ... -5
compatible with
Gear tray
VLG ... -5

7 | PURPLE



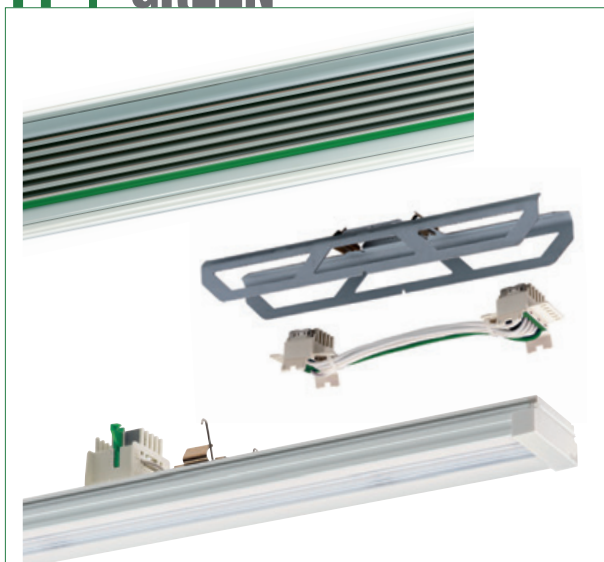
PURPLE = 7-core through wiring profile

Through wiring:
5 x 2.5 mm² & 2 x 1.5 mm²
For additional control cable
or emergency light



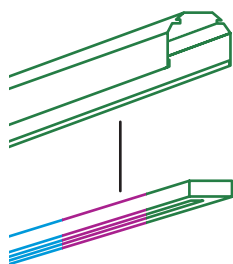
Trunking
VLTM ... -7
compatible with
Gear tray
VLG ... -5
VLG ... -7
(facility for additional
control cable
or emergency light)

11 | GREEN



GREEN = 11-core through wiring profile

Through wiring:
 5 x 2.5 mm² & 6 x 1.5 mm²
 For additional control cable
 and two emergency light circuits



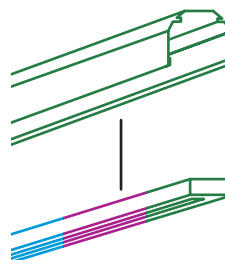
Trunking
VLTM ... -11
 compatible with
 Gear tray
VLG ... -5
VLG ... -7 (facility for
 additional control cable
or emergency light)
VLG ... -11 (facility for
 additional control cable **and**
 two emergency light circuits)

11/2,5 | GREEN



GREEN = 11-core through wiring profile

Through wiring:
 11 x 2.5 mm²
 For additional control cable
 and two emergency light circuits
or
 for two three-phase circuits
 with phase selection at the gear tray
 and two additional control cables

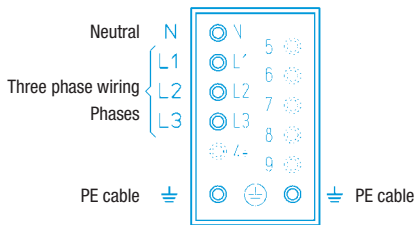


Trunking
VLTM ... -11
 compatible with
 Gear tray
VLG ... -5
VLG ... -7 (facility for
 additional control cable
or emergency light)
VLG ... -11 (facility for
 additional control cable
or emergency light
and second three-phase circuit)

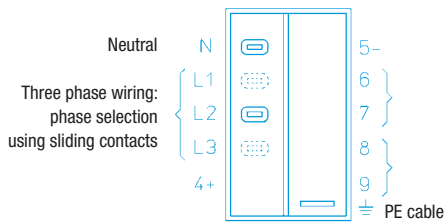
PIN ASSIGNMENT

5 | BLUE

Pin assignment at the mains connection in the trunking

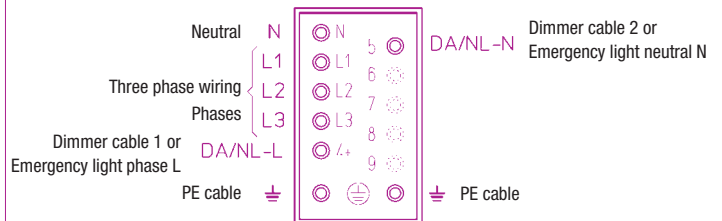


Pin assignment at the adapter in the gear tray

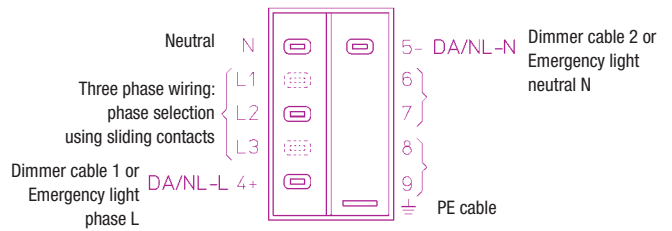


7 | PURPLE

Pin assignment at the mains connection in the trunking

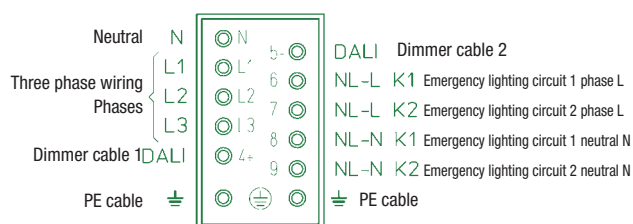


Pin assignment at the adapter in the gear tray



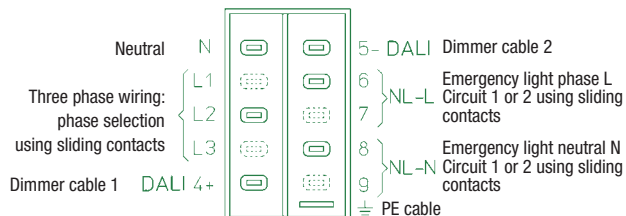
11 + 11/2,5 | GREEN

Pin assignment at the mains connection in the trunking



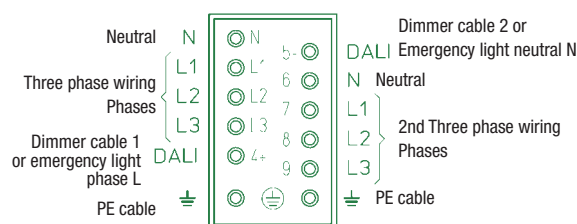
Note: In the case of two emergency lighting circuits, an additional mains connector is required for the earth conductor.

Pin assignment at the adapter in the gear tray



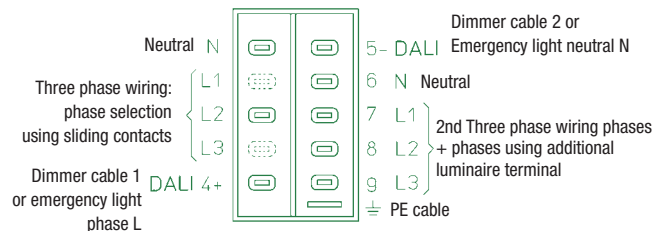
11/2,5 | GREEN

Pin assignment at the mains connection in the trunking



Note: In the case of two emergency lighting circuits, an additional mains connector is required for the earth conductor.

Pin assignment at the adapter in the gear tray



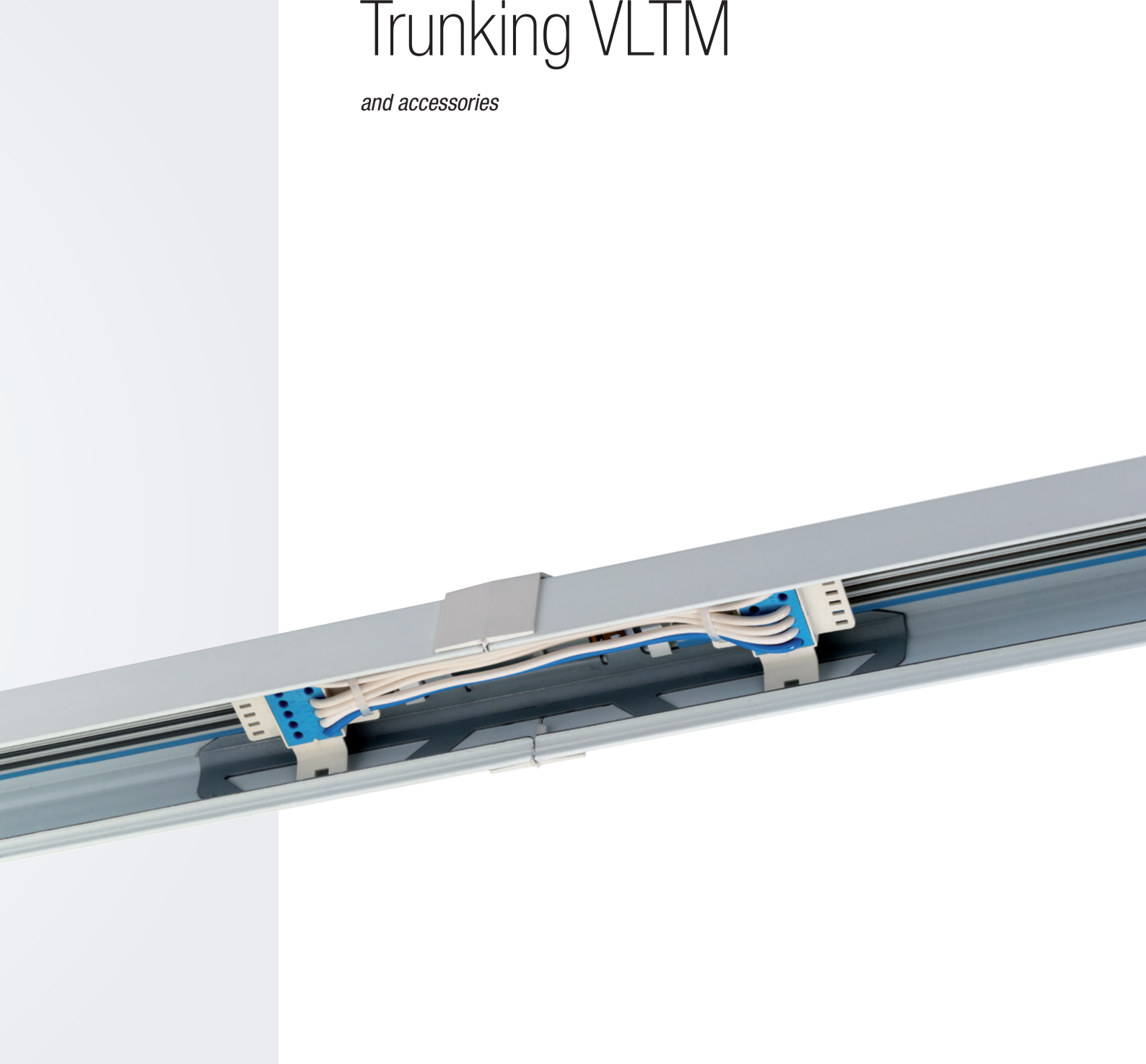






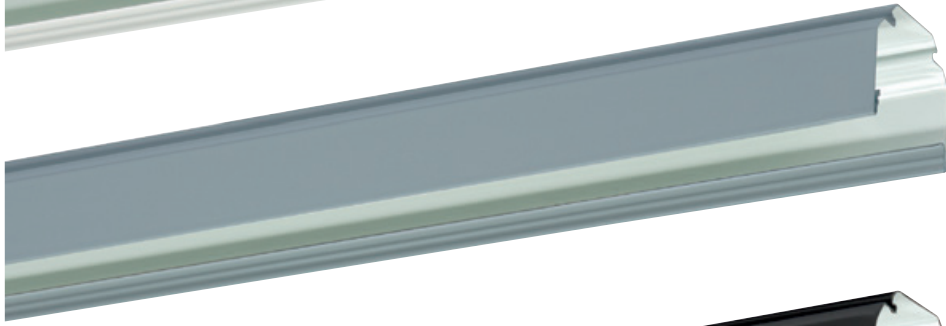
Trunking VLTM

and accessories





white
(similar RAL 9016)

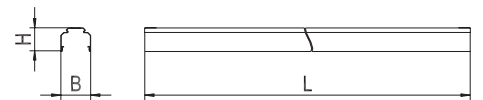


silver
(similar to RAL 9006)



black
(similar to RAL 9005)

Trunking VLTM



Design: Trunking for surface and pendant mounting. Rigid, profiled trunking made of galvanized steel, artificial resin coated white (similar RAL 9016), silver (similar to RAL 9006) or black (similar to RAL 9005) on both sides. The trunking is available in a one, two or three-length version. Pre-punched knockouts are provided at the top at both ends for cable infeed.

Through wiring: Open through wiring designed to permit variable take-off at any optional location. 5, 7 and 11-core versions available. The different versions are colour coded to simplify differentiation and correct mounting.

Mounting: The trunking elements can be mounted and assembled using fixing accessories. Junction points are available for creating continuous lighting system configurations. The trunking must be completely closed using gear trays or dummy covers.

Note: Mounting aid VLTVE-MH (Item no.: 0204009) can be used to simplify installation of the electrical feeder and connector.



Note: The VLTVD seal (Item no.: 1205789) must be fitted to the trunking connection for a continuous lighting system with protection rating IP40, IP50 and IP54. Protection rating IP20 for trunking connection without the VLTVD seal.



acc. to DIN EN 60598/VDE 0711

VLTM

*Trunking for use with continuous lighting systems
complying with protection rating IP20 and IP54*

**Through wiring with flexible take-off 5 x 2.5 mm².
Continuous colour coding in blue.**

Model	Dimens. [mm]			Weight [kg]	○	●	●
	L	B	H		Prod. code	Prod. code	Prod. code
VLTM 1000-5	1000	64	50	1,2	1500179	1500179SI	1500179SW
VLTM 1500-5	1500	64	50	1,8	1500133	1500133SI	1500133SW
VLTM 2000-5	2000	64	50	2,4	1500182	1500182SI	1500182SW
VLTM 3000-5	3000	64	50	3,5	1500137	1500137SI	1500137SW
VLTM 4500-5	4500	64	50	5,3	1500141	1500141SI	1500141SW

**Through wiring with flexible take-off 5 x 2.5 mm² and 2 x 1.5 mm² for control cables or emergency lighting circuit.
Continuous colour coding in purple.**

Model	Dimens. [mm]			Weight [kg]	○	●	●
	L	B	H		Prod. code	Prod. code	Prod. code
VLTM 1000-7	1000	64	50	1,2	1500180	1500180SI	1500180SW
VLTM 1500-7	1500	64	50	1,8	1500134	1500134SI	1500134SW
VLTM 2000-7	2000	64	50	2,4	1500183	1500183SI	1500183SW
VLTM 3000-7	3000	64	50	3,6	1500138	1500138SI	1500138SW
VLTM 4500-7	4500	64	50	5,4	1500142	1500142SI	1500142SW

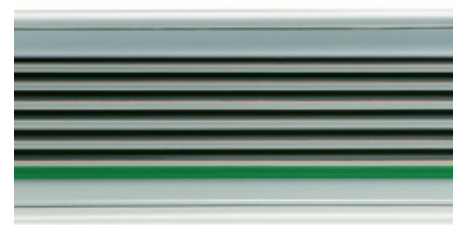
**Through wiring with flexible take-off 5 x 2.5 mm² and 6 x 1.5 mm² for control cables and 2 separate emergency lighting circuits.
Continuous colour coding in green.**

Model	Dimens. [mm]			Weight [kg]	○	●	●
	L	B	H		Prod. code	Prod. code	Prod. code
VLTM 1000-11	1000	64	50	1,2	1500181	1500181SI	1500181SW
VLTM 1500-11	1500	64	50	1,9	1500135	1500135SI	1500135SW
VLTM 2000-11	2000	64	50	2,5	1500184	1500184SI	1500184SW
VLTM 3000-11	3000	64	50	3,7	1500139	1500139SI	1500139SW
VLTM 4500-11	4500	64	50	5,6	1500143	1500143SI	1500143SW

**Through wiring with flexible take-off 11 x 2.5 mm².
Continuous colour coding in green.**

Model	Dimens. [mm]			Weight [kg]	○	●	●
	L	B	H		Prod. code	Prod. code	Prod. code
VLTM 1500-11/2,5	1500	64	50	1,9	1500136	1500136SI	1500136SW
VLTM 3000-11/2,5	3000	64	50	3,7	1500140	1500140SI	1500140SW
VLTM 4500-11/2,5	4500	64	50	5,6	1500144	1500144SI	1500144SW

Clear coding of the through wiring profiles with continuous colour strips along the sides in blue, purple and green



Dummy elements



VLBKM ...

Dummy element in extruded plastic. Extruded profile clips into the trunking. For cutting to length as required. Colour white, silver or black, protection rating IP 20. In conjunction with VLSBKD, can also be used for IP54.

Model	Description	○ Prod. code	● Prod. code	● Prod. code
VLBKM 1500	Dummy cover, L=1500mm, IP20, plastic	1207288	1207288SI	1207288SW
VLBKM 4500	Dummy cover, L=4500mm, IP20, plastic	1207289	1207289SI	1207289SW



VLSBKM ...

Dummy element in extruded plastic, includes seals VLSBKD. Extruded profile clips into the trunking. For cutting to length as required. Colour white, silver or black, protection rating IP 54. Note: By sawing the VLBKM 4500 to length and using additional seals VLSBKD, other variable lengths are possible.

Model	Description	○ Prod. code	● Prod. code	● Prod. code
VLSBKM 1500	Dummy cover, L=1500mm, includes seals, IP54, white plastic	1207292	1207292SI	1207292SW



VLSBM ...

Dummy element in profiled sheet steel, for mounting instead of a gear tray. With twist lock catch. Includes seals. To comply with protection rating IP 54.

Model	Description	○ Prod. code	● Prod. code	● Prod. code
VLSBM 1500	Dummy cover, L=1500 mm, IP54, sheet steel	1500185	1500185SI	1500185SW

Accessories

IP54 VLSBKD seal



VLSBKD

Seal for mounting on dummy cover VLBK cut to length on site for continuous luminaires conforming to protection rating IP 54 with variable spacing.

Model	Description	Prod. code
VLSBKD	Dummy cover seal VLBK/VLBKM for IP54, 1 pc.	○ 1207191
VLSBKD-AD	Dummy cover seal VLBK/VLBKM...-SI for IP54, 1 pc.	● 1207191AD
VLSBKD-SW	Dummy cover seal VLBK/VLBKM...-SW for IP54, 1 pc.	● 1207191SW

Trunking accessories

Trunking connectors and end caps

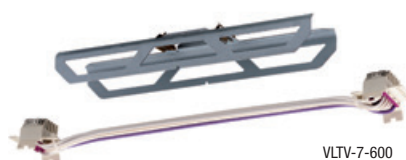


VLTV-7

VLTV... trunking connector

Internal mechanical and electrical connection, toolless assembly with automatic PE conductor connection. Electrical connector in three models for 5, 7 and 11 core through wiring. Colour coding for the three versions. Cable length 200 mm.

Model	Description	Prod. code
VLTV-5	Trunking connector for 5-core thr. wiring IP20/54, 1 pc	1207044
VLTV-7	Trunking connector for 7-core thr. wiring IP20/54, 1 pc	1207045
VLTV-11	Trunking connector for 11-core thr. wiring IP20/54, 1 pc	1207046
VLTV-11/2,5	Trunking connector for 11x2,5 ² -core thr. wiring IP20/54, 1 pc	1207062



VLTV-7-600

VLTV...-600 trunking connector

Internal mechanical and electrical connection, toolless assembly with automatic PE conductor connection. Electrical connector in three models for 5, 7 and 11 core through wiring. Colour coding for the three versions. Cable length 600 mm for mounting gear trays directly at the trunking joint where the EVG collides with the standard VLTV.

Model	Description	Prod. code
VLTV-5-600	Trunking connector f. 5-core thr. wiring IP20/54, L=600 1 pc	1207050
VLTV-7-600	Trunking connector f. 7-core thr. wiring IP20/54, L=600 1 pc	1207051
VLTV-11-600	Trunking connector f.11-core thr. wiring IP20/54, L=600 1 pc	1207052
VLTV-11/2,5-600	Trunking connector f.11x2,5 ² -core thr. wiring IP20/54, L=600 1 pc	1207063



VLTV

VLTV trunking connector

Internal mechanical trunking connector for VLT..., toolless assembly with automatic PE conductor connection by means of spring steel clips.

Model	Description	Prod. code
VLTV	IP20 and IP54 trunking connector, 1 pc	1205790



VLTVE

VLTVE... trunking connector

Internal electrical trunking connector with automatic connection to the earth connector. Installation via VLTVE-MH mounting aid. Electrical connector in three designs for 5-, 7- and 11-core through wiring. Colour coding of the three designs. VLTV ... 600: Cable length 600 mm for installation of gear trays directly on the trunking joint when EVG collides with standard VLTV.



VLTVE-600

Model	Description	Prod. code
VLTVE-5	Trunking conn. electr. for 5-core wiring IP20/54, 1 pc.	1207056
VLTVE-7	Trunking conn. electr. for 7-core wiring IP20/54, 1 pc.	1207057
VLTVE-11	Trunking conn. electr. f. 11-core wiring IP20/54, 1 pc.	1207058
VLTVE-11-600	Trunking conn. electr. f.11-core thr. wiring IP20/54, L=600 1 pc	1207061
VLTVE-11/2,5	Trunking conn. electr. f. 11x2,5 ² wiring IP20/54, 1 pc.	1207064
VLTVE-11/2,5-600	Trunking conn. electr. f.11x2,5 ² -core thr. wiring IP20/54, L=600 1 pc	1207065



VLTVA

VLTVA, VLTVA-AG trunking connector

External mechanical connection to comply with protection rating IP 20. Enhances the mechanical strength of a trunking joint. Use in addition to internal trunking connector VLTV . . .

Model	Description	Prod. code
VLTVA	External trunking connector IP20	0206548
VLTVA-AG	Ext. trunking connector IP20, silver similar to RAL 9006	0206548AG



VLTVE mounting aid

Mounting aid for easier installation of the electrical VLTV connector... and VLNE mains connector..., made of plastic.

Model	Description	Prod. code
VLTVE-MH	Mounting aid for simpler mounting of the electric connector, 1 pc.	0204009



VLTVD

VLTVD seal

For sealing the trunking connection to comply with protection rating IP 54, 1 unit

Model	Description	Prod. code
VLTVD	IP 54 trunking seal, 1 pc	○ 1205789
VLTVD-AD	Trunking seal silver for IP54, 1 pc.	● 1205789AD
VLTVD-SW	Trunking seal black for IP54, 1 pc.	● 1205789SW



VLTE

VLTE trunking end cap

End cap for trunking made of plastic. Round 20 mm dia. and oval 50 x 20 mm knockouts for cable infeed. Assembly by plugging onto the trunking. Secure hold ensured by spring steel clips. 1 pc.

Model	Description	Prod. code
VLTE	Trunking end cap, white, plastic, 1 pc	○ 0205791
VLTE SI	Trunking end cap, silver, plastic, 1 pc	● 0205791SI
VLTE SW	End cap for trunking, black, plastic 1 pc.	● 0205791SW



VLGFP-K external clamp

Spring-steel clip for additional fastening of the VLGFP/VLGFL gear trays on the VLTM trunking. No mounting tools required for exterior installation via the VLTM trunking.

Model	Description	Prod. code
VLGFP/VLGFL-K	Safety clamp for VLGFP/VLGFL, white 1 pc.	0209129



VLG-FSK external clamp

Spring-steel clip for additional fastening of the VLGFS gear trays on the VLT trunking. No mounting tools required for exterior installation via the VLT trunking.

Model	Description	Prod. code
VLG-FSK	Safety clamp for VLGFS, white, 1 pc.	0206806

Electrical accessories



VLNE-5F

VLNE...F flexible mains connector

For flexible, fine and stranded conductors up to max. 2.5 mm². Three different models for 5, 7 and 11-core through wiring. Colour coding for the three versions.
Includes bushing for insertion of cables in to the trunking or end cap.

Model	Description	Prod. code
VLNE-5F	Mains connector 5-core, stranded IP20/54, 1 pc	○ 1207047
VLNE-5F SI	Mains conn. wiring 5-core, stranded IP20/54, silver, 1pc.	● 1207047SI
VLNE-5F SW	Mains conn. wiring 5-core, stranded IP20/54, black, 1pc.	● 1207047SW
VLNE-7F	Mains connector 7-core, stranded IP20/54, 1 pc	○ 1207048
VLNE-7F SI	Mains conn. wiring 7-core, stranded IP20/54, silver, 1pc.	● 1207048SI
VLNE-7F SW	Mains conn. wiring 7-core, stranded IP20/54, black, 1pc.	● 1207048SW
VLNE-11F	Mains connector 11-core, stranded IP20/54, 1 pc	○ 1207049
VLNE-11F SI	Mains conn. wiring 11-core, stranded IP20/54, silver, 1pc.	● 1207049SI
VLNE-11F SW	Mains conn. wiring 11-core, stranded IP20/54, black, 1pc.	● 1207049SW
VLNE-11/2,5F	Mains conn. wiring 11-core, stranded IP20/54, black, 1pc.	○ 1207066
VLNE-11/2,5F SI	Mains conn. wiring 11-core, stranded IP20/54, silver, 1pc.	● 1207066SI
VLNE-11/2,5F SW	Mains conn. wiring 11-core, stranded IP20/54, black, 1pc.	● 1207066SW



VLNE-11S

VLNE...S rigid mains connector

For rigid, solid core conductors up to max. 2.5 mm². Three different models for 5, 7 and 11 core through wiring. Colour coding for the three versions.
Includes bushing for insertion of cables in to the trunking or end cap.

Model	Description	Prod. code
VLNE-5S	Mains connector 5-core, single wire IP20/54, 1 pc	○ 1207041
VLNE-5S SI	Mains conn. wiring 5-core, single wire IP20/54, silver, 1 pc.	● 1207041SI
VLNE-5S SW	Mains conn. wiring 5-core, single wire IP20/54, black, 1 pc.	● 1207041SW
VLNE-7S	Mains connector 7-core, single wire IP20/54, 1 pc	○ 1207042
VLNE-7S SI	Mains conn. wiring 7-core, single w. IP20/54, silver, 1 pc.	● 1207042SI
VLNE-7S SW	Mains conn. wiring 7-core, single w. IP20/54, black, 1 pc.	● 1207042SW
VLNE-11S	Mains connector 11-core, single wire IP20/54, 1 pc	○ 1207043
VLNE-11S SI	Mains conn. wiring 11-core, single w. IP20/54, silver, 1 pc.	● 1207043SI
VLNE-11S SW	Mains conn. wiring 11-core, single w. IP20/54, black, 1pc.	● 1207043SW

VLTV mounting aid

Mounting aid for easier installation of the electrical VLTV connector... and VLNE mains connector..., made of plastic.



Model	Description	Prod. code
VLTV-MH	Mounting aid for simpler mounting of the electric connector, 1 pc.	0204009



ZAL ...-T

ZAL...-T clear, flexible mains cable

A 1.5 m long clear mains cable is available for mains connection of wire pendant mounted luminaires. As an alternative to cable clamps, the C-shaped cable guide ZKF can be ordered for the ZAL 3X0.75. Other ZAL lengths on request.

Model	Description	Prod. code
ZAL 3x0,75/1,5M-T	Clear mains cable, 3x0.75mm ² , 1.5 metre	0203579
ZAL 5x0,75/1,5M-T	Clear mains cable, 5x0.75mm ² , 1.5 metre	0203580
ZAL 3X1,5/1,5M-T	Clear mains cable, 3x1.5mm ² , 1.5 metre	0207977
ZAL 5X1,5/1,5M-T	Clear mains cable, 5x1.5mm ² , 1.5 metre	0207978

VLKL cable channel

Cable channel for mounting in trunking VLT ...
For cutting to length as required. Fixing clamps in spring steel. Length 4.6 m.



VLKL

Model	Description	Prod. code
VLKL	Cable channel with clips, L=4600mm	0205775



VTLA

VTLA cable retainer

Cable retainer outside made of spring steel. Clip for fixing heavy cables to the top of the trunking VLT ... Cables dia. 13 mm and 1 x dia. 8 mm possible. Recommended distance between 2 cable retainers appr. 50 cm, 1 pc.

Model	Description	Prod. code
VTLA	Ext. cable retainer max. 2 x dia.13mm + 1 x dia.7mm, 1 pc	0205760

Accessories for mounting with junction connectors



VLKN-L

VLKN-L junction connector

L-shaped junction connector for VLTM for forming lighting units without through wiring. Includes covering cap. The VLTW-KN electrical connector must be ordered at the same time for electrical through wiring. The joint connector is not a trunking element so the VLTM trunking must be fastened separately.

Model	Description	Prod. code
VLKN-L	L-shaped junction connector for VLT, white	○ 0209122
VLKN-L SI	L-shaped junction connector for VLT-SI, grey	● 0209122SI
VLKN-L SW	L-shaped junction connector for VLT, black	● 0209122SW



VLKN-T

VLKN-T joint connector

T-shaped joint connector for VLTM for forming lighting units without through wiring. Includes covering cap. The VLTW-KN electrical connector must be ordered at the same time for electrical through wiring. The joint connector is not a trunking element so the VLTM trunking must be fastened separately.

Model	Description	Prod. code
VLKN-T	T-shaped junction connector for VLT, white	○ 0209123
VLKN-T SI	T-shaped junction connector for VLT-SI, grey	● 0209123SI
VLKN-T SW	T-shaped junction connector for VLT, black	● 0209123SW



VLKN-X

VLKN-X joint connector

X-shaped joint connector for VLTM for forming lighting units without through wiring. Includes covering cap. The VLTW-KN electrical connector must be ordered at the same time for electrical through wiring. The joint connector is not a trunking element so the VLTM trunking must be fastened separately.

Model	Description	Prod. code
VLKN-X	X-shaped junction connector for VLT, white	○ 0209124
VLKN-X SI	X-shaped junction connector for VLT-SI, grey	● 0209124SI
VLKN-X SW	X-shaped junction connector for VLT, black	● 0209124SW



VLTVE-7-KN

VLTVE-KN electrical connector

Internal electrical trunking connector with automatic connection to the earth connector. Installation via VLTVE-MH mounting aid. Electrical connector in three designs for 5-, 7- and 11-core through wiring. Colour coding of the three designs. The number required depends on the unit (see mounting instructions).

Model	Description	Prod. code
VLTVE-5-KN	Five-core electrical trunking connector single wire IP20, one unit	1207067
VLTVE-7-KN	Seven-core electrical trunking connector single wire IP20, one unit	1207068
VLTVE-11-KN	11-core electrical trunking connector single wire IP20, one unit	1207069



VLTVE mounting aid

Mounting aid for easier installation of the electrical VLTV connector... and VLNE mains connector..., made of plastic.

Model	Description	Prod. code
VLTVE-MH	Mounting aid for simpler mounting of the electric connector, 1 pc.	0204009

Accessories for ceiling or suspended installation



VLTHA

VLTHA hanger for chain

Chain suspension hanger, made of a robust spring steel clamp with height-adjustable swing hook. Height adjustment is achieved by a threaded nut, over-tighten proof by means of grooves. Permissible load 20 kg, 1 unit

Model	Description	Prod. code
VLTHA	Chain suspension hanger adjustable nut, 1 pc	0205792



VLTHB

VLTHB hanger for chain

Chain suspension hanger consisting of a robust steel spring clamp with height adjustable swing hooks (quick clamping). Quick fixing without tools. Permissible load 20 kg, 1 pc.

Model	Description	Prod. code
VLTHB	Chain suspension hanger, quick adjustment, 1 pc	0205685



VLTHD

VLTHD ceiling fixture

Robust steel spring clamp for mounting of trunking to the ceiling. Wide fixing slot for easy alignment compensation. Permissible load 30 kg. Max. screw diameter 6 mm, 1 pc.

Model	Description	Prod. code
VLTHD	Hanger for ceiling mounting, max. 20kg, 1 pc	0205794



VLTHD-H10

VLTHD-H10 ceiling fixture

Robust steel spring clamp for mounting of trunking to the ceiling (ceiling distance 10 mm). Mounting hole diameter 6 mm. Permissible load 20 kg. Max. screw diameter 6 mm, 1 pc.

Model	Description	Prod. code
VLTHD-H10	Hanger for ceiling mounting H=10mm, max. 20kg, 1 pc.	0205930
VLTHD-H10-WS	Hanger for ceiling mounting H=10mm, white max. 20kg, 1 pc.	0205930BA



VLTHS

VLTHS hanger with wire pendant

Hanger for wire pendant mounting, consisting of a robust steel spring hoop with automatic wire clamp and steel wire, 1.5 m. Toolless height adjustment. Wire end with integrated loop.

Model	Description	Prod. code
VLTHS	Hanger with wire 1.5m + ring loop, 1 pc.	0205922
VLTHS-SW	Hanger with cable 1.5m + ring loop, black bow, 1 pc.	0205922SW

Note: One wire pendant must be ordered per suspension point.



VLTHSD

VLTHSD hanger

Hanger for wire pendant mounting, consisting of robust steel spring hoop with automatic wire clamp and steel wire 1.5 mm. Toolless height adjustment.

Ceiling fixing in metal, high-gloss nickel plated, dia. 16 mm, H 20 mm

Model	Description	Prod. code
VLTHSD	Hanger with wire 1.5m + ceiling fixing, 1 pc.	0205921
VLTHSD-SW	Hanger with cable 1.5m + ceiling fixture, black bow, 1 pc	0205921SW



VLTHSS

VLTHSS hanger

Hanger for wire pendant mounting on sloping ceilings, consisting of robust steel spring hoop with automatic wire clamp and steel wire 1.5 mm. Toolless height adjustment.

Ceiling fixing tapered in metal, nickel plated.

Model	Description	Prod. code
VLTHSS	Hanger with wire 1.5m + ceiling fixing, inclined ceilings, 1 pc	0205920

**VLTHSB hanger**

Hanger for wire pendant mounting, consisting of robust steel spring hoop with automatic wire clamp and steel wire 1.5 mm. Toolless height adjustment. Canopy semi-circular dia. 100 mm, H 50 mm, colour white, with luminaire connector block 3 x 2.5 mm²

Model	Description	Prod. code
VLTHSB	Hanger with wire 1.5m + canopy, 1 pc.	0205923
VLTHSB-SI	Hanger with wire 1.5m + canopy, silver, 1 pc.	0205923SI

Note: One wire pendant must be ordered per suspension point.

**VLTHST wire pendant**

Hanger for wire pendant mounting, consisting of robust steel spring hoop with wire clamp and steel wire 1.5 mm. Toolless height adjustment. Ceiling fixing clamp for system ceilings with T profile 24-26 mm. Permissible load max. 10 kg.

Model	Description	Prod. code
VLTHST	Wire pend. f. syst. ceil. 24-26mm T, max 10kg, 1.5m, 1 pc	0207943
VLTHST-SW	Wire pend., sys. ceilings w. T 24-26mm, max 10kg, 1.5m, 1 pc.	0207943SW

**VLTWFK chain fixing**

Fixing kit for horizontal suspension of asymmetrical reflectors VLRWF... on chains. Robust steel spring clip with short arm in sheet steel, galvanized, carabiner hook and fixing screw, 1 pc.

Model	Description	Prod. code
VLTWFK	Chain hanger for VLRWF, 1pc	0205881

**VLTWFS wire fixture**

Fixing kit for horizontal suspension of asymmetrical reflectors VLRWF... on steel wires. Robust steel spring clip with short arm in sheet steel, galvanized, automatic wire clamp and steel wire 1.5 mm. Toolless height adjustment. Wire end with integrated loop. 1 pc.

Model	Description	Prod. code
VLTWFS	Wire hanger for VLRWF 1pc	0205880

**VLTWFS wire fixture**

Fixing kit for horizontal suspension of asymmetrical reflectors VLRWF... on steel wires. Robust steel spring clip with short arm in sheet steel, galvanized, automatic wire clamp and steel wire 1.5 mm. Toolless height adjustment. Ceiling fixing in metal, gloss nickel plated, dia. 16 mm, H 20 mm.

Model	Description	Prod. code
VLTWFS	Wire hanger + ceiling fixing for VLRWF, 1 pc	0206538

**VLTW trunking fixture**

Angled wall and ceiling mounting bracket made of white coated steel. With robust spring clamp and safety screw. Permissible load 20 kg. 1 pc.

Model	Description	Prod. code
VLTW	Hanger for angled mounting 30°, 45°, 60° ceiling (wall), 1 pc.	0205885

**VLTKS trunking hanger**

For fixture at an incline of up to 45° with chain. Stable spring steel clamp with safety screw. Crossbar made of galvanized sheet steel. Admissible load 20 kg, 1 unit.

Model	Description	Prod. code
VLTKS	Hanger f. chain, angled mounting to 45° w. 1 clamping screw	0205886

**VLTHT trunking hanger**

Robust steel clamp with T bar clip for system ceilings. For fixing the trunking system to 24-26 mm T bars. Distance between upper edge of trunking and ceiling 40-45 mm. Permissible load 20 kg.

Model	Description	Prod. code
VLTHT	Hanger for T bar system ceilings, 1 pc	0205788
VLTHT-SW	Hanger for system ceilings, T-profile, black, 1 pc.	0205788SW



VLTH 0°/90°

VLTH 0°/90° trunking hanger

Robust steel clamp with T bar clip for system ceilings. For fixing the trunking system to 24-26 mm T bars. No gap between upper edge of VLT trunking and the ceiling. Permissible load 10 kg, 1 unit. VLTH 0°: for fixing directly below the ceiling profile. VLTH 90°: for fixing at right angles to the ceiling profile.

Model	Description	Prod. code
VLTH 90°	Hanger for system ceilings, 90° to T bar, no gap	0208285
VLTH 0°	Hanger for system ceilings, below T bar, no gap	0208286



VLBP

VLBP ceiling fixture plate

Plate made of galvanized steel. For fixing to ceilings. With 6 mm dia. loop for chain mounting. Max. screw dia. 6 mm. 2 screws are required per plate. Permissible load max. 20 kg, 1 pc.

Model	Description	Prod. code
VLBP	Plate with loop for ceiling fixing. max. 20kg, 1 pc	0205887



VLKH

VLKH carabiner hook

Galvanized carabiner hook in steel, length 50 mm, width 25 mm, material thickness 5 mm. Admissible load 20 kg, 1 unit.

Model	Description	Prod. code
VLKH	Carabiner hook, dimensions 50x25x5, max. 20kg, 1pc	0205888



VLSPSO-KH

VLSPSO-KH closed tension hook with carabiner

Tension hook in galvanized steel with eyelets on both sides. Includes 2 galvanized steel carabiner hooks. Admissible load 20 kg, adjustment path 50 mm, 1 pc.

Model	Description	Prod. code
VLSPSO-KH	Tension hook w. loop and carabiner adj. 50 mm, max. 20kg 1pc	0208347



TRA 008

TRA 008 knotted chain

Galvanized chain made of steel. Permissible load 20 kg, weight 0.25 kg/m.

Model	Description	Prod. code
TRA 008	Galvanized chain, max. 20kg, weight 0.25 kg/m	0200251



SLKG

SLKG S chain link

Galvanized S chain link made of steel. Permissible load 20 kg.

Model	Description	Prod. code
SLKG	S chain link, max.20kg, per unit	0200906



SLKB

SLKB quick fixing

For suspension of rows of luminaires on different system ceilings or other roof or ceiling constructions. Quick fixing for L and T supports, clamping range A = 3 – 7 mm or 8 – 13 mm, with loop

Model	Description	Prod. code
SLKB 3-7	Quick fixing for L and T supports, A=3 - 7mm, with loop	0200907
SLKB 8-13	Quick fixing for L and T supports, A=8- 13mm, with loop	0200908



SLKBT

SLKBT quick fixing

For fastening on visible bracket profiles in special-purpose ceiling systems 24 – 6 mm, with loop

Model	Description	Prod. code
SLKBT	Quick fixing for system ceilings, with loop	0200910



SLKBT M6x16

SLKBTR M6x16 quick fixing

For fastening on visible bracket profiles in special-purpose ceiling systems 24 – 26 mm, with thread M6 x 16

Model	Description	Prod. code
SLKBT M6x16	Quick fixing for system ceilings, with thread M6x16	0200912



SLKBTR M6

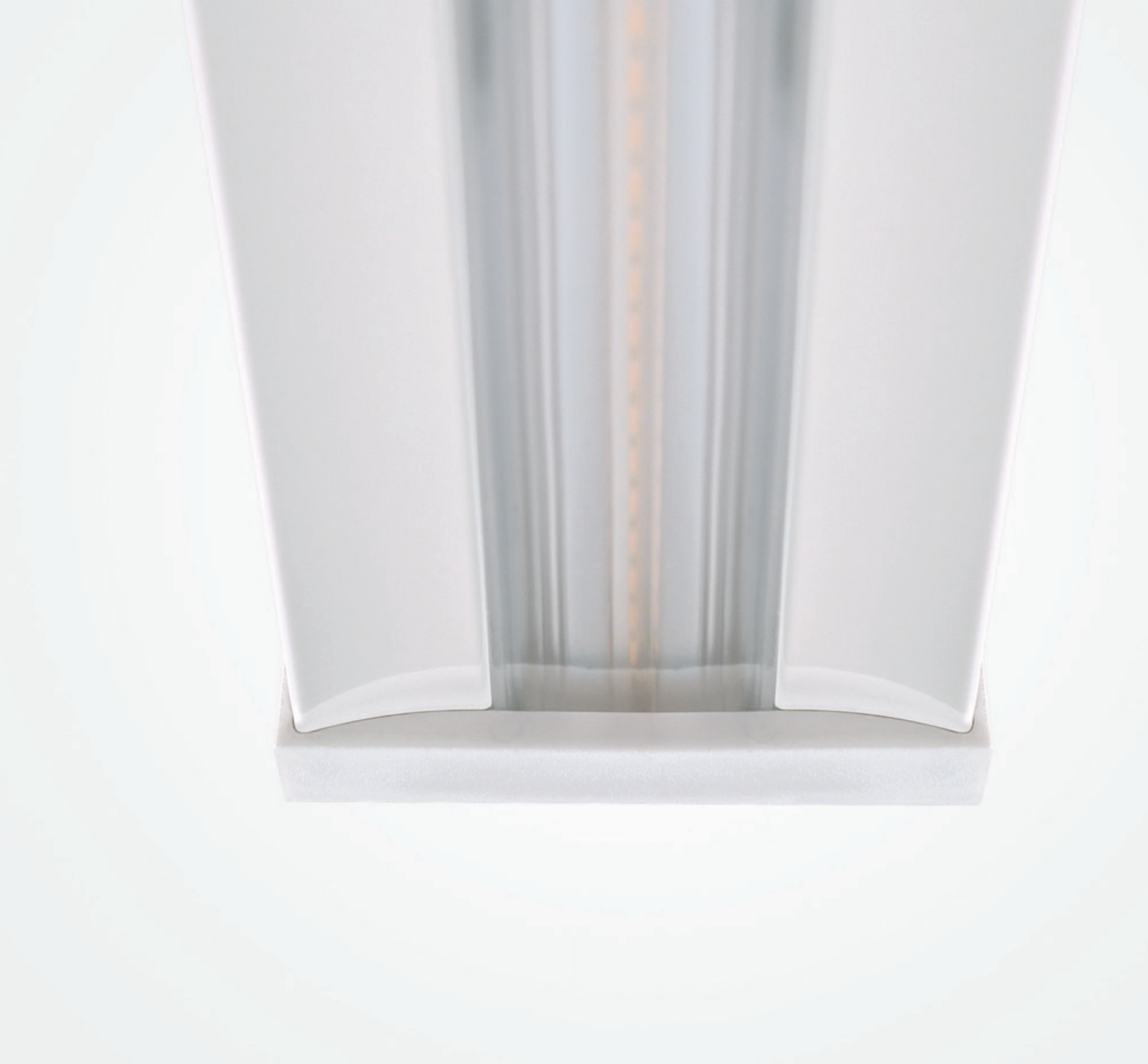
Quick fixing for trapezoidal ceiling sections

For fastening on trapezoidal steel sections mounted on roofs and ceilings. Max. width 50 mm. Rail thickness min. 0.63 mm, mounting hole dia. 10 mm. With loop screw M6.

Model	Description	Prod. code
SLKBTR M6	Quick fixing for trapezoidal sections, loop bolt M6	0201525

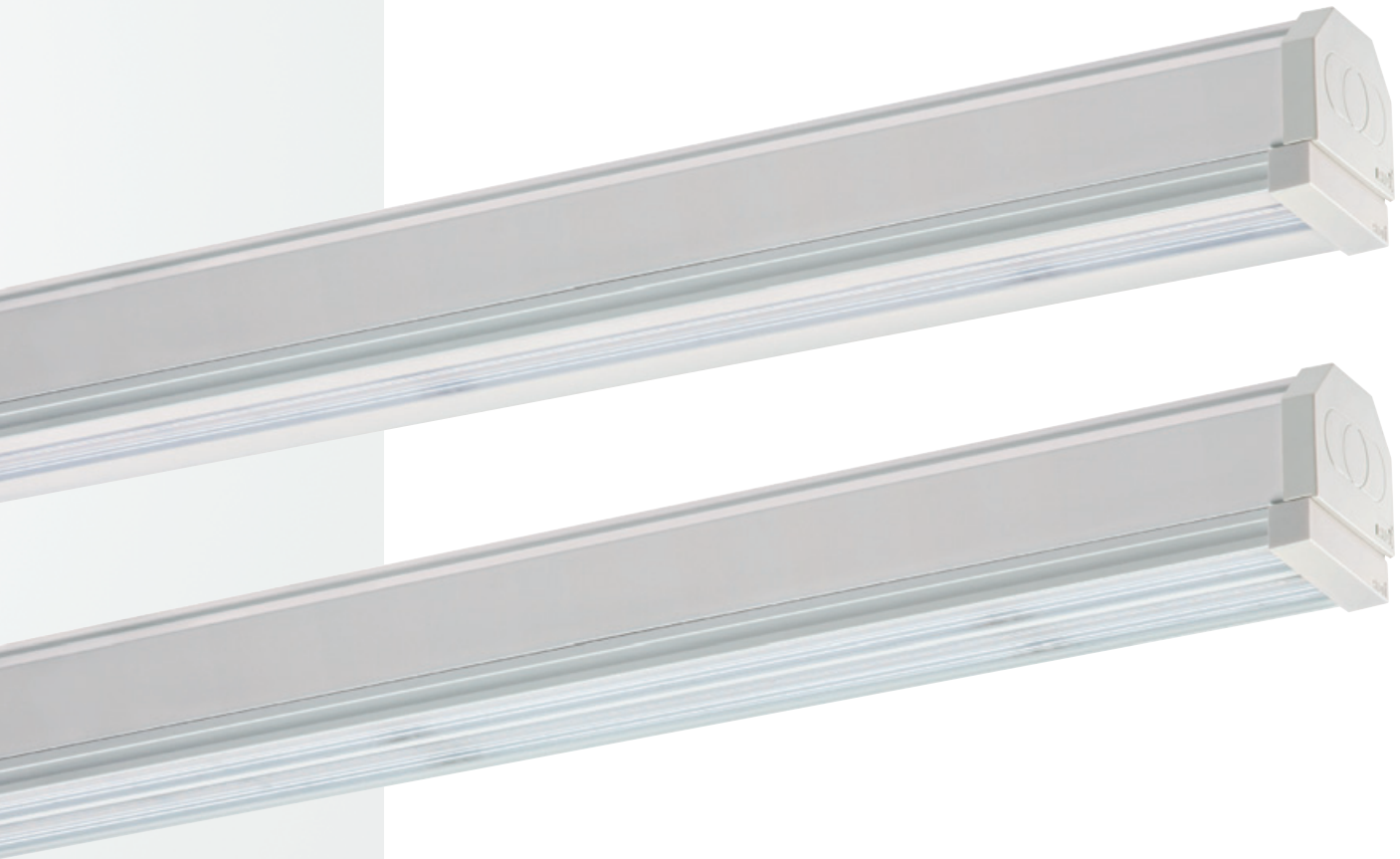




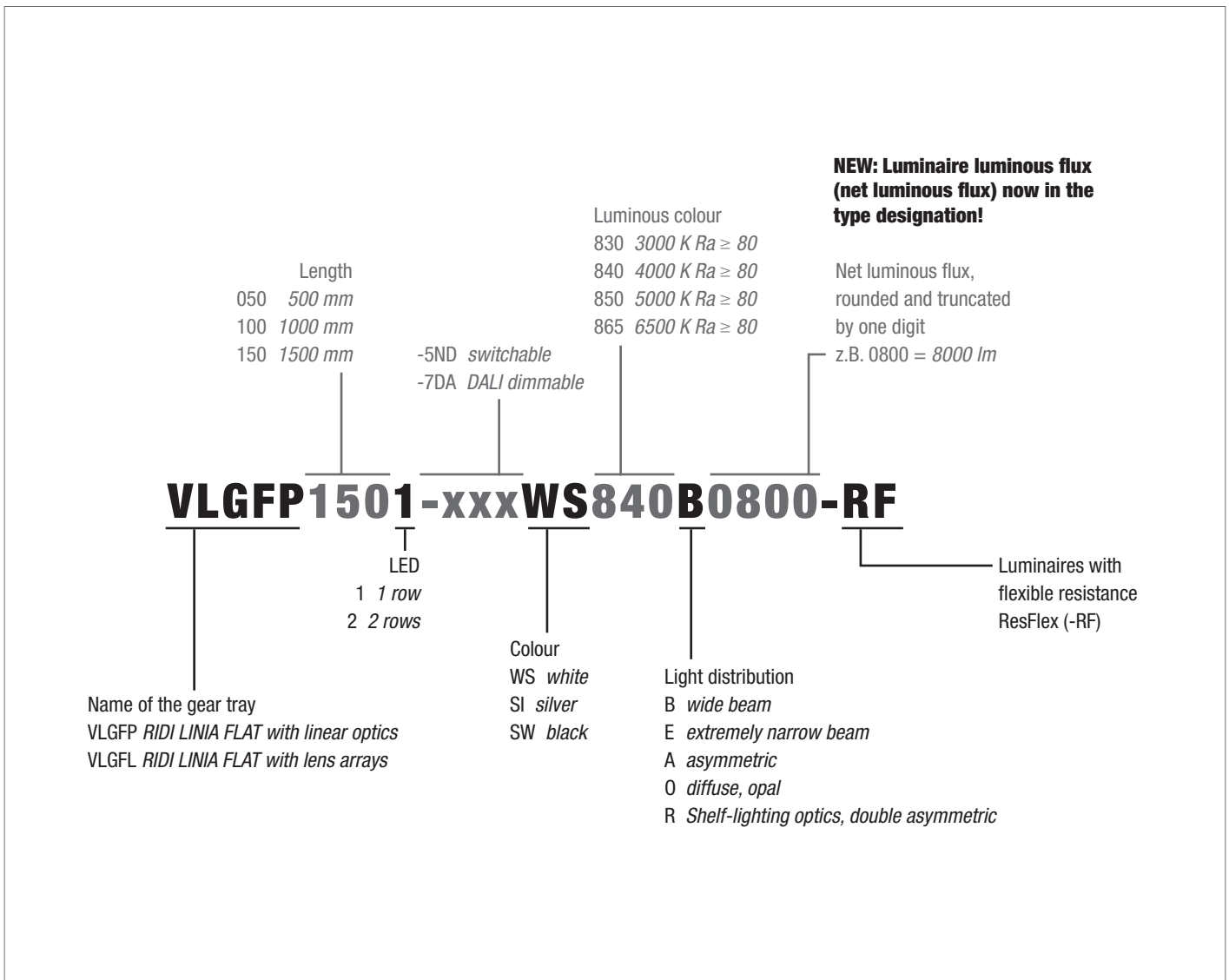


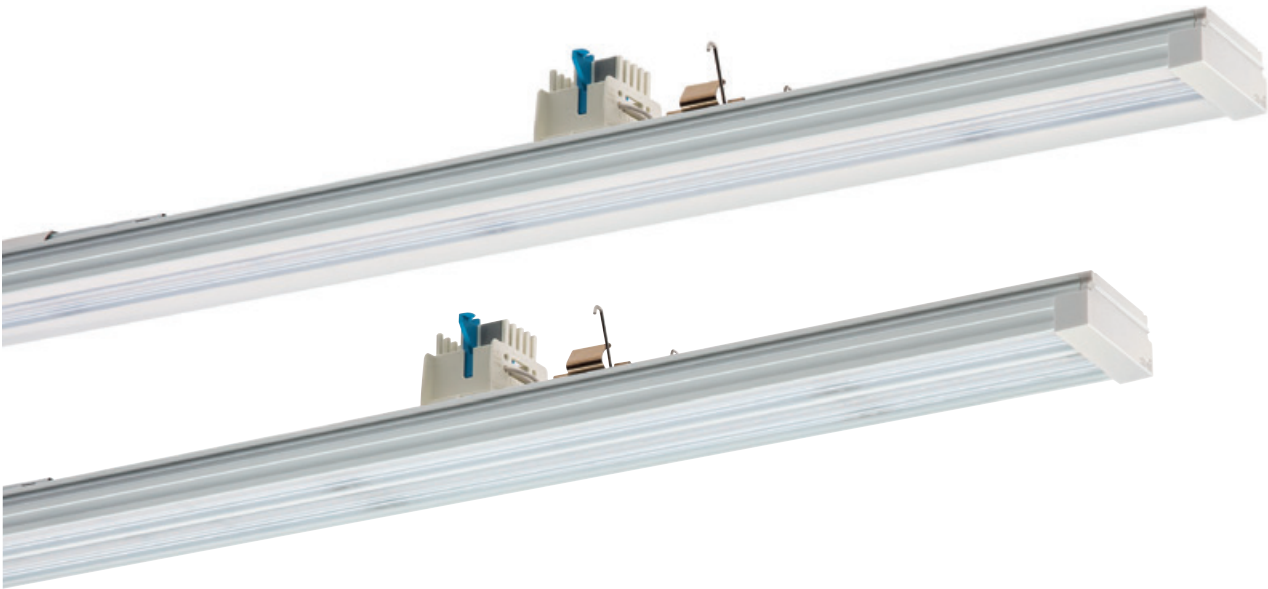
VLGFP

with linear optics



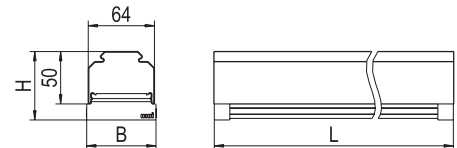
Type designation breakdown





Gear tray VLGFP

with linear optics



Design: LED gear tray made of extruded aluminium, powder coated white (...WS-...), silver (...SI-...) or black (...SW-...). RIDI LED linear modules fitted with mid-power LEDs for outstanding efficiency. The boards are pressed over their entire surface onto the aluminium base profile for optimum heat dissipation. Soldered joints of the LED modules are tested for cavities and resistance to vibration and torsion in compliance with the most stringent quality standards. No thermal coupling between the LED modules and converters. Linear optics made of clear, UV-stabilised PMMA integrated flush in the gear tray. End caps made of thermoplastic for conformity with IP54 protection rating. The width of the gear tray is identical to the trunking. Spring steel clips for fixture of the gear tray in the trunking VLTM. In conjunction with trunking VLTM for the configuration of modular variable continuous lighting systems conforms to protection rating IP20 and IP54. The gear trays can be mounted at any preferred location on the trunking. Electrical adapters for flexible take-off of the through wiring in the trunking with automatic PE conductor connection. Phase selection by means of sliding contact. Colour and optical coding for simple installation. Mechanical coding to prevent incorrect installation (polarity reversal). Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ...-600.

RF: Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance (ResFlex; Factory setting: maximum light distribution).

Electrical versions:

- Dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.
- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems
- Luminaires with flexible resistance (ResFlex).

Note on "Food Hygiene Act":

These luminaires comply with the stipulations of the Food Hygiene Act as defined by Regulation (EC) No. 852/2004 (HACCP) Annex II Chapter I section 2 a, b, Chapter II section 1c relating to luminaires. These are suitable for use in the food industry.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Light distributions:

- B** wide beam
- E** extremely narrow beam
- A** asymmetric
- R** Shelf-lighting optics, double asymmetric
- O** diffuse, opal

Colour temperatures:


- 3000 Kelvin (830)
- 4000 Kelvin (840)
- 5000 Kelvin (850)
- 6500 Kelvin (865)
- Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



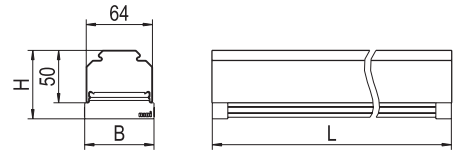
Light colour 830

 Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.

Colour rendering in index $Ra \geq 80$,
Colour temperature 3000 Kelvin

EEC: A++, A+, A



Light distribution: B wide beam



	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv.	dim. conv.	
						L	B	H		xxx=5ND Prod. code	DALI xxx=7DA Prod. code	
white	VLGFP0501-xxxWS830B0250	1xLED-M 17 W	2600	18	144	500	67	66	0,9	1551021	1561021	
	VLGFP1501-xxxWS830B0450	1xLED-M 25 W	4300	28	153	1500	67	66	1,9	1551148	1561148	
	VLGFP1001-xxxWS830B0500	1xLED-M 33 W	5200	37	140	1000	67	66	1,4	1551025	1561025	
	VLGFP1501-xxxWS830B0750	1xLED-M 50 W	7700	55	140	1500	67	66	1,9	1551029	1561029	
	VLGFP1002-xxxWS830B0950	2xLED-M 30 W	9400	66	142	1000	67	66	1,6	1551033	1561033	
	VLGFP1002-xxxWS830B1100	2xLED-M 37 W	11100	81	137	1000	67	66	1,6	1551093	1561093	
	VLGFP1502-xxxWS830B1400	2xLED-M 45 W	14100	100	141	1500	67	66	2,2	1551036	1561036	
	VLGFP1502-xxxWS830B1700	2xLED-M 55 W	16700	121	138	1500	67	66	2,2	1551094	1561094	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxWS830B0800-RF	1xLED-M 51 W	8000	55	145	1500	67	66	1,9	1551107	
	VLGFP1502-xxxWS830B1500-RF	2xLED-M 47 W	14900	100	149	1500	67	66	2,2	1551108		
silver	VLGFP0501-xxxSI830B0250	1xLED-M 17 W	2520	18	140	500	67	66	0,9	1551021SI	1561021SI	
	VLGFP1001-xxxSI830B0500	1xLED-M 33 W	5050	37	136	1000	67	66	1,4	1551025SI	1561025SI	
	VLGFP1501-xxxSI830B0750	1xLED-M 50 W	7480	55	136	1500	67	66	1,9	1551029SI	1561029SI	
	VLGFP1002-xxxSI830B0950	2xLED-M 30 W	9130	66	138	1000	67	66	1,6	1551033SI	1561033SI	
	VLGFP1002-xxxSI830B1100	2xLED-M 37 W	10780	81	133	1000	67	66	1,6	1551093SI	1561093SI	
	VLGFP1502-xxxSI830B1400	2xLED-M 45 W	13690	100	136	1500	67	66	2,2	1551036SI	1561036SI	
	VLGFP1502-xxxSI830B1700	2xLED-M 55 W	16210	121	133	1500	67	66	2,2	1551094SI	1561094SI	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxSI830B0750-RF	1xLED-M 51 W	7770	55	141	1500	67	66	1,9	1551107SI	
		VLGFP1502-xxxSI830B1400-RF	2xLED-M 47 W	14470	100	144	1500	67	66	2,2	1551108SI	
black	VLGFP0501-xxxSW830B0250	1xLED-M 17 W	2480	18	137	500	67	66	0,9	1551021SW	1561021SW	
	VLGFP1001-xxxSW830B0500	1xLED-M 33 W	4950	37	133	1000	67	66	1,4	1551025SW	1561025SW	
	VLGFP1501-xxxSW830B0750	1xLED-M 50 W	7330	55	133	1500	67	66	1,9	1551029SW	1561029SW	
	VLGFP1002-xxxSW830B0950	2xLED-M 30 W	8950	66	135	1000	67	66	1,6	1551033SW	1561033SW	
	VLGFP1002-xxxSW830B1100	2xLED-M 37 W	10570	81	130	1000	67	66	1,6	1551093SW	1561093SW	
	VLGFP1502-xxxSW830B1400	2xLED-M 45 W	13430	100	134	1500	67	66	2,2	1551036SW	1561036SW	
	VLGFP1502-xxxSW830B1700	2xLED-M 55 W	15900	121	131	1500	67	66	2,2	1551094SW	1561094SW	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxSW830B0750-RF	1xLED-M 51 W	7620	55	138	1500	67	66	1,9	1551107SW	
		VLGFP1502-xxxSW830B1400-RF	2xLED-M 47 W	14190	100	141	1500	67	66	2,2	1551108SW	

* Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance. The specified values for luminaire luminous flux, output and efficiency are maximum values (Factory setting: maximum light distribution)

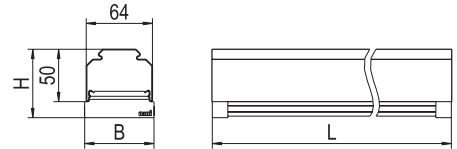
Light colour 840

Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.

Colour rendering in index $Ra \geq 80$,
Colour temperature 4000 Kelvin

EEC: A++, A+, A



Light distribution: B wide beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
white VLGFP0501-xxxWS840B0250	1xLED-M 17 W	2700	18	150	500	67	66	0,9	1551000	1561000
VLGFP1501-xxxWS840B0450	1xLED-M 25 W	4400	28	157	1500	67	66	1,9	1551143	1561143
VLGFP1001-xxxWS840B0550	1xLED-M 33 W	5400	37	145	1000	67	66	1,4	1551004	1561004
VLGFP1501-xxxWS840B0800	1xLED-M 50 W	8100	55	147	1500	67	66	1,9	1551008	1561008
VLGFP1002-xxxWS840B1000	2xLED-M 30 W	9800	66	148	1000	67	66	1,6	1551013	1561013
VLGFP1002-xxxWS840B1200	2xLED-M 37 W	11600	81	143	1000	67	66	1,6	1551089	1561089
VLGFP1502-xxxWS840B1500	2xLED-M 45 W	14700	100	147	1500	67	66	2,2	1551017	1561017
VLGFP1502-xxxWS840B1700	2xLED-M 55 W	17400	121	143	1500	67	66	2,2	1551091	1561091
Luminaires with flexible resistance ResFlex*:										
VLGFP1501-xxxWS840B0850-RF	1xLED-M 51 W	8300	55	150	1500	67	66	1,9	1551103	
VLGFP1502-xxxWS840B1500-RF	2xLED-M 47 W	15500	100	155	1500	67	66	2,2	1551104	
silver VLGFP0501-xxxSI840B0250	1xLED-M 17 W	2620	18	145	500	67	66	0,9	1551000SI	1561000SI
VLGFP1001-xxxSI840B0550	1xLED-M 33 W	5240	37	141	1000	67	66	1,4	1551004SI	1561004SI
VLGFP1501-xxxSI840B0800	1xLED-M 50 W	7860	55	142	1500	67	66	1,9	1551008SI	1561008SI
VLGFP1002-xxxSI840B1000	2xLED-M 30 W	9510	66	144	1000	67	66	1,6	1551013SI	1561013SI
VLGFP1002-xxxSI840B1200	2xLED-M 37 W	11260	81	139	1000	67	66	1,6	1551089SI	1561089SI
VLGFP1502-xxxSI840B1500	2xLED-M 45 W	14270	100	142	1500	67	66	2,2	1551017SI	1561017SI
VLGFP1502-xxxSI840B1700	2xLED-M 55 W	16890	121	139	1500	67	66	2,2	1551091SI	1561091SI
Luminaires with flexible resistance ResFlex*:										
VLGFP1501-xxxSI840B0800-RF	1xLED-M 51 W	8060	55	146	1500	67	66	1,9	1551103SI	
VLGFP1502-xxxSI840B1500-RF	2xLED-M 47 W	15050	100	150	1500	67	66	2,2	1551104SI	
black VLGFP0501-xxxSW840B0250	1xLED-M 17 W	2570	18	142	500	67	66	0,9	1551000SW	1561000SW
VLGFP1001-xxxSW840B0550	1xLED-M 33 W	5140	37	138	1000	67	66	1,4	1551004SW	1561004SW
VLGFP1501-xxxSW840B0800	1xLED-M 50 W	7710	55	140	1500	67	66	1,9	1551008SW	1561008SW
VLGFP1002-xxxSW840B1000	2xLED-M 30 W	9330	66	141	1000	67	66	1,6	1551013SW	1561013SW
VLGFP1002-xxxSW840B1200	2xLED-M 37 W	11050	81	136	1000	67	66	1,6	1551089SW	1561089SW
VLGFP1502-xxxSW840B1500	2xLED-M 45 W	14000	100	140	1500	67	66	2,2	1551017SW	1561017SW
VLGFP1502-xxxSW840B1700	2xLED-M 55 W	16570	121	136	1500	67	66	2,2	1551091SW	1561091SW
Luminaires with flexible resistance ResFlex*:										
VLGFP1501-xxxSW840B0800-RF	1xLED-M 51 W	7900	55	143	1500	67	66	1,9	1551103SW	
VLGFP1502-xxxSW840B1500-RF	2xLED-M 47 W	14760	100	147	1500	67	66	2,2	1551104SW	

Light distribution: E extremely narrow beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
white VLGFP1501-xxxWS840E0400	1xLED-M 25 W	4196	28	149	1500	67	66	1,9	1551144	1561144
VLGFP1501-xxxWS840E0750	1xLED-M 50 W	7592	55	138	1500	67	66	1,9	1551009	1561009
VLGFP1002-xxxWS840E0900	2xLED-M 30 W	9191	66	139	1000	67	66	1,6	1551014	1561014
VLGFP1002-xxxWS840E1100	2xLED-M 37 W	10889	81	134	1000	67	66	1,6	1551090	1561090
VLGFP1502-xxxWS840E1400	2xLED-M 45 W	13786	100	137	1500	67	66	2,2	1551018	1561018
VLGFP1502-xxxWS840E1600	2xLED-M 55 W	16284	121	134	1500	67	66	2,2	1551092	1561092
Luminaires with flexible resistance ResFlex*:										
VLGFP1501-xxxWS840E0800-RF	1xLED-M 51 W	7792	55	141	1500	67	66	1,9	1551112	
VLGFP1502-xxxWS840E1500-RF	2xLED-M 55 W	14585	100	145	1500	67	66	2,2	1551128	

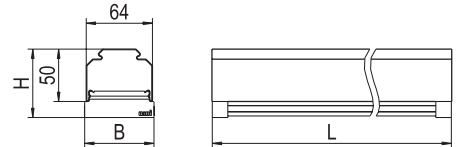
Light colour 850

Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.

Colour rendering in index $Ra \geq 80$,
Colour temperature 5000 Kelvin

EEC: A++, A+, A



Light distribution: B wide beam



	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code	
						L	B	H				
white	VLGFP0501-xxxWS850B0300	1xLED-M 17 W	2800	18	155	500	67	66	0,9	1551039	1561039	
	VLGFP1501-xxxWS850B0450	1xLED-M 25 W	4600	28	164	1500	67	66	1,9	1551152	1561152	
	VLGFP1001-xxxWS850B0550	1xLED-M 33 W	5500	37	148	1000	67	66	1,4	1551041	1561041	
	VLGFP1501-xxxWS850B0850	1xLED-M 50 W	8300	55	150	1500	67	66	1,9	1551043	1561043	
	VLGFP1002-xxxWS850B1000	2xLED-M 30 W	10100	66	153	1000	67	66	1,6	1551046	1561046	
	VLGFP1002-xxxWS850B1200	2xLED-M 37 W	11900	81	146	1000	67	66	1,6	1551095	1561095	
	VLGFP1502-xxxWS850B1500	2xLED-M 45 W	15100	100	151	1500	67	66	2,2	1551049	1561049	
	VLGFP1502-xxxWS850B1800	2xLED-M 55 W	17900	121	147	1500	67	66	2,2	1551097	1561097	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxWS850B0850-RF	1xLED-M 51 W	8500	55	154	1500	67	66	1,9	1551109	
	VLGFP1502-xxxWS850B1600-RF	2xLED-M 47 W	15900	100	159	1500	67	66	2,2	1551110		
silver	VLGFP0501-xxxSI850B0300	1xLED-M 17 W	2720	18	151	500	67	66	0,9	1551039SI	1561039SI	
	VLGFP1001-xxxSI850B0550	1xLED-M 33 W	5340	37	144	1000	67	66	1,4	1551041SI	1561041SI	
	VLGFP1501-xxxSI850B0850	1xLED-M 50 W	8060	55	146	1500	67	66	1,9	1551043SI	1561043SI	
	VLGFP1002-xxxSI850B1000	2xLED-M 30 W	9810	66	148	1000	67	66	1,6	1551046SI	1561046SI	
	VLGFP1002-xxxSI850B1200	2xLED-M 37 W	11550	81	142	1000	67	66	1,6	1551095SI	1561095SI	
	VLGFP1502-xxxSI850B1500	2xLED-M 45 W	14660	100	146	1500	67	66	2,2	1551049SI	1561049SI	
	VLGFP1502-xxxSI850B1800	2xLED-M 55 W	17380	121	143	1500	67	66	2,2	1551097SI	1561097SI	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxSI850B0850-RF	1xLED-M 51 W	8250	55	150	1500	67	66	1,9	1551109SI	
		VLGFP1502-xxxSI850B1500-RF	2xLED-M 47 W	15430	100	154	1500	67	66	2,2	1551110SI	
black	VLGFP0501-xxxSW850B0300	1xLED-M 17 W	2670	18	148	500	67	66	0,9	1551039SW	1561039SW	
	VLGFP1001-xxxSW850B0550	1xLED-M 33 W	5240	37	141	1000	67	66	1,4	1551041SW	1561041SW	
	VLGFP1501-xxxSW850B0850	1xLED-M 50 W	7900	55	143	1500	67	66	1,9	1551043SW	1561043SW	
	VLGFP1002-xxxSW850B1000	2xLED-M 30 W	9620	66	145	1000	67	66	1,6	1551046SW	1561046SW	
	VLGFP1002-xxxSW850B1200	2xLED-M 37 W	11330	81	139	1000	67	66	1,6	1551095SW	1561095SW	
	VLGFP1502-xxxSW850B1500	2xLED-M 45 W	14380	100	143	1500	67	66	2,2	1551049SW	1561049SW	
	VLGFP1502-xxxSW850B1800	2xLED-M 55 W	17050	121	140	1500	67	66	2,2	1551097SW	1561097SW	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxSW850B0800-RF	1xLED-M 51 W	8100	55	147	1500	67	66	1,9	1551109SW	
		VLGFP1502-xxxSW850B1500-RF	2xLED-M 47 W	15140	100	151	1500	67	66	2,2	1551110SW	

Light distribution: E extremely narrow beam



	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code	
						L	B	H				
white	VLGFP1501-xxxWS850E0450	1xLED-M 25 W	4296	28	153	1500	67	66	1,9	1551153	1561153	
	VLGFP1501-xxxWS850E0800	1xLED-M 50 W	7792	55	141	1500	67	66	1,9	1551044	1561044	
	VLGFP1002-xxxWS850E0950	2xLED-M 30 W	9491	66	143	1000	67	66	1,6	1551047	1561047	
	VLGFP1002-xxxWS850E1100	2xLED-M 37 W	11189	81	138	1000	67	66	1,6	1551096	1561096	
	VLGFP1502-xxxWS850E1400	2xLED-M 45 W	14186	100	141	1500	67	66	2,2	1551050	1561050	
	VLGFP1502-xxxWS850E1700	2xLED-M 55 W	16783	121	138	1500	67	66	2,2	1551098	1561098	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxWS850E0800-RF	1xLED-M 51 W	7992	55	145	1500	67	66	1,9	1551113	
		VLGFP1502-xxxWS850E1500-RF	2xLED-M 55 W	14985	100	149	1500	67	66	2,2	1551129	

* Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance. The specified values for luminaire luminous flux, output and efficiency are maximum values (Factory setting: maximum light distribution)

Light distribution: A asymmetric



	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv.	dim. conv.
						L	B	H		xxx=5ND Prod. code	DALI xxx=7DA Prod. code
white	VLGFP0501-xxxWS850A0250	1xLED-M 17 W	2600	18	144	500	67	66	0,9	1551040	1561040
	VLGFP1501-xxxWS850A0450	1xLED-M 25 W	4400	28	157	1500	67	66	1,9	1551154	1561154
	VLGFP1001-xxxWS850A0550	1xLED-M 33 W	5300	37	143	1000	67	66	1,4	1551042	1561042
	VLGFP1501-xxxWS850A0800	1xLED-M 50 W	7900	55	143	1500	67	66	1,9	1551045	1561045
	VLGFP1002-xxxWS850A0950	2xLED-M 30 W	9700	66	146	1000	67	66	1,6	1551048	1561048
	VLGFP1502-xxxWS850A1400	2xLED-M 45 W	14500	100	145	1500	67	66	2,2	1551051	1561051
	Luminaires with flexible resistance ResFlex*:										
	VLGFP1501-xxxWS850A0800-RF	1xLED-M 51 W	8200	55	149	1500	67	66	1,9	1551117	
	VLGFP1502-xxxWS850A1500-RF	2xLED-M 55 W	15300	100	153	1500	67	66	2,2	1551133	
silver	VLGFP0501-xxxSI850A0250	1xLED-M 17 W	2520	18	140	500	67	66	0,9	1551040SI	1561040SI
	VLGFP1001-xxxSI850A0550	1xLED-M 33 W	5150	37	139	1000	67	66	1,4	1551042SI	1561042SI
	VLGFP1501-xxxSI850A0800	1xLED-M 50 W	7670	55	139	1500	67	66	1,9	1551045SI	1561045SI
	VLGFP1002-xxxSI850A0950	2xLED-M 30 W	9420	66	142	1000	67	66	1,6	1551048SI	1561048SI
	VLGFP1502-xxxSI850A1400	2xLED-M 45 W	14080	100	140	1500	67	66	2,2	1551051SI	1561051SI
		Luminaires with flexible resistance ResFlex*:									
	VLGFP1501-xxxSI850A0800-RF	1xLED-M 51 W	7960	55	144	1500	67	66	1,9	1551117SI	
	VLGFP1502-xxxSI850A1500-RF	2xLED-M 55 W	14850	100	148	1500	67	66	2,2	1551133SI	
black	VLGFP0501-xxxSW850A0250	1xLED-M 17 W	2480	18	137	500	67	66	0,9	1551040SW	1561040SW
	VLGFP1001-xxxSW850A0550	1xLED-M 33 W	5050	37	136	1000	67	66	1,4	1551042SW	1561042SW
	VLGFP1501-xxxSW850A0800	1xLED-M 50 W	7520	55	136	1500	67	66	1,9	1551045SW	1561045SW
	VLGFP1002-xxxSW850A0950	2xLED-M 30 W	9240	66	140	1000	67	66	1,6	1551048SW	1561048SW
	VLGFP1502-xxxSW850A1400	2xLED-M 45 W	13810	100	138	1500	67	66	2,2	1551051SW	1561051SW
		Luminaires with flexible resistance ResFlex*:									
	VLGFP1501-xxxSW850A0750-RF	1xLED-M 51 W	7810	55	142	1500	67	66	1,9	1551117SW	
	VLGFP1502-xxxSW850A1400-RF	2xLED-M 55 W	14570	100	145	1500	67	66	2,2	1551133SW	

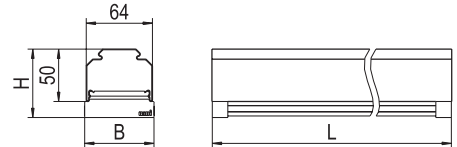
Light colour 865

Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.

Colour rendering in index $Ra \geq 80$,
Colour temperature 6500 Kelvin

EEC: A++, A+, A



Light distribution: B wide beam



	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code	
						L	B	H				
white	VLGFP0501-xxxWS865B0250	1xLED-M 17 W	2700	18	150	500	67	66	0,9	1551052	1561052	
	VLGFP1501-xxxWS865B0450	1xLED-M 25 W	4400	28	157	1500	67	66	1,9	1551155	1561155	
	VLGFP1001-xxxWS865B0550	1xLED-M 33 W	5240	37	141	1000	67	66	1,4	1551054	1561054	
	VLGFP1501-xxxWS865B0800	1xLED-M 50 W	8100	55	147	1500	67	66	1,9	1551056	1561056	
	VLGFP1002-xxxWS865B1000	2xLED-M 30 W	9800	66	148	1000	67	66	1,6	1551059	1561059	
	VLGFP1002-xxxWS865B1200	2xLED-M 37 W	11600	81	143	1000	67	66	1,6	1551099	1561099	
	VLGFP1502-xxxWS865B1500	2xLED-M 45 W	14700	100	147	1500	67	66	2,2	1551062	1561062	
	VLGFP1502-xxxWS865B1700	2xLED-M 55 W	17400	121	143	1500	67	66	2,2	1551101	1561101	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxWS865B0800-RF	1xLED-M 51 W	8300	55	150	1500	67	66	1,9	1551105	
	VLGFP1502-xxxWS865B1500-RF	2xLED-M 47 W	15500	100	155	1500	67	66	2,2	1551106		
silver	VLGFP0501-xxxSI865B0250	1xLED-M 17 W	2620	18	145	500	67	66	0,9	1551052SI	1561052SI	
	VLGFP1001-xxxSI865B0550	1xLED-M 33 W	5400	37	145	1000	67	66	1,4	1551054SI	1561054SI	
	VLGFP1501-xxxSI865B0800	1xLED-M 50 W	7860	55	142	1500	67	66	1,9	1551056SI	1561056SI	
	VLGFP1002-xxxSI865B1000	2xLED-M 30 W	9510	66	144	1000	67	66	1,6	1551059SI	1561059SI	
	VLGFP1002-xxxSI865B1200	2xLED-M 37 W	11260	81	139	1000	67	66	1,6	1551099SI	1561099SI	
	VLGFP1502-xxxSI865B1500	2xLED-M 45 W	14270	100	142	1500	67	66	2,2	1551062SI	1561062SI	
	VLGFP1502-xxxSI865B1700	2xLED-M 55 W	16890	121	139	1500	67	66	2,2	1551101SI	1561101SI	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxSI865B0800-RF	1xLED-M 51 W	8060	55	146	1500	67	66	1,9	1551105SI	
		VLGFP1502-xxxSI865B1500-RF	2xLED-M 47 W	15050	100	150	1500	67	66	2,2	1551106SI	
black	VLGFP0501-xxxSW865B0250	1xLED-M 17 W	2570	18	142	500	67	66	0,9	1551052SW	1561052SW	
	VLGFP1001-xxxSW865B0550	1xLED-M 33 W	5140	37	138	1000	67	66	1,4	1551054SW	1561054SW	
	VLGFP1501-xxxSW865B0800	1xLED-M 50 W	7710	55	140	1500	67	66	1,9	1551056SW	1561056SW	
	VLGFP1002-xxxSW865B1000	2xLED-M 30 W	9330	66	141	1000	67	66	1,6	1551059SW	1561059SW	
	VLGFP1002-xxxSW865B1200	2xLED-M 37 W	11050	81	136	1000	67	66	1,6	1551099SW	1561099SW	
	VLGFP1502-xxxSW865B1500	2xLED-M 45 W	14000	100	140	1500	67	66	2,2	1551062SW	1561062SW	
	VLGFP1502-xxxSW865B1700	2xLED-M 55 W	16570	121	136	1500	67	66	2,2	1551101SW	1561101SW	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxSW865B0800-RF	1xLED-M 51 W	7900	55	143	1500	67	66	1,9	1551105SW	
		VLGFP1502-xxxSW865B1500-RF	2xLED-M 47 W	14760	100	147	1500	67	66	2,2	1551106SW	

Light distribution: E extremely narrow beam



	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code	
						L	B	H				
white	VLGFP1501-xxxWS865E0400	1xLED-M 25 W	4196	28	149	1500	67	66	1,9	1551156	1561156	
	VLGFP1501-xxxWS865E0750	1xLED-M 50 W	7592	55	138	1500	67	66	1,9	1551057	1561057	
	VLGFP1002-xxxWS865E0900	2xLED-M 30 W	9191	66	139	1000	67	66	1,6	1551060	1561060	
	VLGFP1002-xxxWS865E1100	2xLED-M 37 W	10889	81	134	1000	67	66	1,6	1551100	1561100	
	VLGFP1502-xxxWS865E1400	2xLED-M 45 W	13786	100	137	1500	67	66	2,2	1551063	1561063	
	VLGFP1502-xxxWS865E1600	2xLED-M 55 W	16284	121	134	1500	67	66	2,2	1551102	1561102	
	Luminaires with flexible resistance ResFlex*:											
		VLGFP1501-xxxWS865E0800-RF	1xLED-M 51 W	7792	55	141	1500	67	66	1,9	1551114	
		VLGFP1502-xxxWS865E1500-RF	2xLED-M 55 W	14585	100	145	1500	67	66	2,2	1551130	

* Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance. The specified values for luminaire luminous flux, output and efficiency are maximum values (Factory setting: maximum light distribution)

Light distribution: A asymmetric



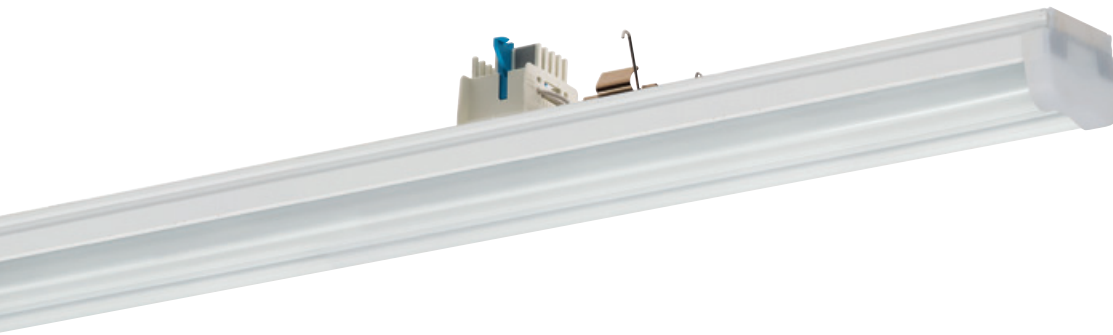
	Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv.	dim. conv.
						L	B	H		xxx=5ND Prod. code	DALI xxx=7DA Prod. code
white	VLGFP0501-xxxWS865A0250	1xLED-M 17 W	2600	18	144	500	67	66	0,9	1551053	1561053
	VLGFP1501-xxxWS865A0450	1xLED-M 25 W	4300	28	153	1500	67	66	1,9	1551157	1561157
	VLGFP1001-xxxWS865A0500	1xLED-M 33 W	5100	37	137	1000	67	66	1,4	1551055	1561055
	VLGFP1501-xxxWS865A0750	1xLED-M 50 W	7700	55	140	1500	67	66	1,9	1551058	1561058
	VLGFP1002-xxxWS865A0950	2xLED-M 30 W	9400	66	142	1000	67	66	1,6	1551061	1561061
	VLGFP1502-xxxWS865A1400	2xLED-M 45 W	14100	100	141	1500	67	66	2,2	1551064	1561064
	Luminaires with flexible resistance ResFlex*:										
	VLGFP1501-xxxWS865A0800-RF	1xLED-M 51 W	8000	55	145	1500	67	66	1,9	1551118	
	VLGFP1502-xxxWS865A1500-RF	2xLED-M 55 W	14900	100	149	1500	67	66	2,2	1551134	
silver	VLGFP0501-xxxSI865A0250	1xLED-M 17 W	2520	18	140	500	67	66	0,9	1551053SI	1561053SI
	VLGFP1001-xxxSI865A0500	1xLED-M 33 W	4950	37	133	1000	67	66	1,4	1551055SI	1561055SI
	VLGFP1501-xxxSI865A0750	1xLED-M 50 W	13690	100	136	1500	67	66	1,9	1551058SI	1561058SI
	VLGFP1002-xxxSI865A0950	2xLED-M 30 W	9130	66	138	1000	67	66	1,6	1551061SI	1561061SI
	VLGFP1502-xxxSI865A1400	2xLED-M 45 W	13690	100	136	1500	67	66	2,2	1551064SI	1561064SI
		Luminaires with flexible resistance ResFlex*:									
	VLGFP1501-xxxSI865A0750-RF	1xLED-M 51 W	7770	55	141	1500	67	66	1,9	1551118SI	
	VLGFP1502-xxxSI865A1400-RF	2xLED-M 55 W	14470	100	144	1500	67	66	2,2	1551134SI	
black	VLGFP0501-xxxSW865A0250	1xLED-M 17 W	2480	18	137	500	67	66	0,9	1551053SW	1561053SW
	VLGFP1001-xxxSW865A0500	1xLED-M 33 W	4860	37	131	1000	67	66	1,4	1551055SW	1561055SW
	VLGFP1501-xxxSW865A0750	1xLED-M 50 W	13430	100	134	1500	67	66	1,9	1551058SW	1561058SW
	VLGFP1002-xxxSW865A0950	2xLED-M 30 W	8950	66	135	1000	67	66	1,6	1551061SW	1561061SW
	VLGFP1502-xxxSW865A1400	2xLED-M 45 W	13430	100	134	1500	67	66	2,2	1551064SW	1561064SW
		Luminaires with flexible resistance ResFlex*:									
	VLGFP1501-xxxSW865A0750-RF	1xLED-M 51 W	7620	55	138	1500	67	66	1,9	1551118SW	
	VLGFP1502-xxxSW865A1400-RF	2xLED-M 55 W	14190	100	141	1500	67	66	2,2	1551134SW	



VLGFP ... W

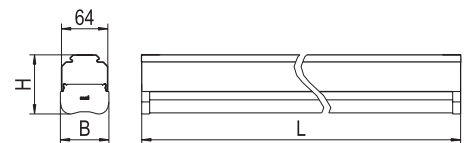
with satinised diffuser





Gear tray VLGFP ... W

with satinised diffuser



Design: LED gear tray made of extruded aluminium, powder coated white. RIDI LED linear modules fitted with mid-power LEDs for outstanding efficiency. Operating in conformity with SELV, the boards are pressed over their entire surface onto the aluminium base profile for optimum heat dissipation. Soldered joints of the LED modules are tested for cavities and resistance to vibration and torsion in compliance with the most stringent quality standards. No thermal coupling between the LED modules and converters.

Diffuser flush in the gear tray, width of the gear tray and diffuser identical to the trunking.

End caps in PMMA to match the diffuser, with insect guard. Spring steel clips for fixture of the gear tray in the trunking VLTM. In conjunction with trunking VLTM for the configuration of modular variable continuous lighting systems conforms to protection rating IP20 and IP40. The gear trays can be mounted at any preferred location on the trunking. Electrical adapters for flexible take-off of the through wiring in the trunking with automatic PE conductor connection. Phase selection by means of sliding contact. Colour and optical coding for simple installation. Mechanical coding to prevent incorrect installation (polarity reversal). Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ... -600.

RF: Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance (ResFlex; Factory setting: maximum light distribution).

Electrical versions:

- Dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.
- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.
- Luminaires with flexible resistance (ResFlex).

Note on "Food Hygiene Act":

These luminaires comply with the stipulations of the Food Hygiene Act as defined by Regulation (EC) No. 852/2004 (HACCP) Annex II Chapter I section 2 a, b, Chapter II section 1c relating to luminaires. These are suitable for use in the food industry.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Diffuser:

W Diffuser made of satinised UV-stabilised PMMA for diffuse light distribution including indirect component.

Colour temperatures:

3000 Kelvin (830)
4000 Kelvin (840)
5000 Kelvin (850)
6500 Kelvin (865)
Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



acc. to DIN EN 60598/VDE 0711

 Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.

Light colour 830 *Colour rendering in index Ra ≥ 80 , Colour temperature 3000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. Prod. code	dim. conv. DALI Prod. code
					L	B	H			
○ VLGFP1001-7DAWS830W0500	1xLED-M 33 W	5062	37	136	1000	67	82	1,6		1561175
○ VLGFP1501-7DAWS830W0750	1xLED-M 50 W	7637	55	138	1500	67	82	2,2		1561171
● VLGFP1001-7DASI830W0500	1xLED-M 33 W	4911	37	132	1000	67	82	1,6		1561175SI
● VLGFP1501-7DASI830W0750	1xLED-M 50 W	7415	55	134	1500	67	82	2,2		1561171SI
● VLGFP1001-7DASW830W0500	1xLED-M 33 W	4822	37	130	1000	67	82	1,6		1561175SW
● VLGFP1501-7DASW830W0750	1xLED-M 50 W	7273	55	132	1500	67	82	2,2		1561171SW
Luminaires with flexible resistance ResFlex*:										
○ VLGFP1501-5NDSW830W0750-RF	1xLED-M 50 W	7726	55	140	1500	67	66	2,2	1551212	
● VLGFP1501-5NDSI830W0750-RF	1xLED-M 50 W	7504	55	136	1500	67	66	2,2	1551212SI	
● VLGFP1501-5NDSW830W0700-RF	1xLED-M 50 W	7362	55	133	1500	67	66	2,2	1551212SW	

Light colour 840 *Colour rendering in index Ra ≥ 80 , Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. Prod. code	dim. conv. DALI Prod. code
					L	B	H			
○ VLGFP1001-7DAWS840W0550	1xLED-M 33 W	5328	37	144	1000	67	82	1,6		1561176
○ VLGFP1501-7DAWS840W0800	1xLED-M 50 W	7903	55	143	1500	67	82	2,2		1561172
● VLGFP1001-7DASI840W0550	1xLED-M 33 W	5177	37	139	1000	67	82	1,6		1561176SI
● VLGFP1501-7DASI840W0800	1xLED-M 50 W	7672	55	139	1500	67	82	2,2		1561172SI
● VLGFP1001-7DASW840W0550	1xLED-M 33 W	5070	37	137	1000	67	82	1,6		1561176SW
● VLGFP1501-7DASW840W0800	1xLED-M 50 W	7530	55	136	1500	67	82	2,2		1561172SW
Luminaires with flexible resistance ResFlex*:										
○ VLGFP1501-5NDSW840W0800-RF	1xLED-M 50 W	7992	55	145	1500	67	66	2,2	1551213	
● VLGFP1501-5NDSI840W0800-RF	1xLED-M 50 W	7761	55	141	1500	67	66	2,2	1551213SI	
● VLGFP1501-5NDSW840W0750-RF	1xLED-M 50 W	7610	55	138	1500	67	66	2,2	1551213SW	

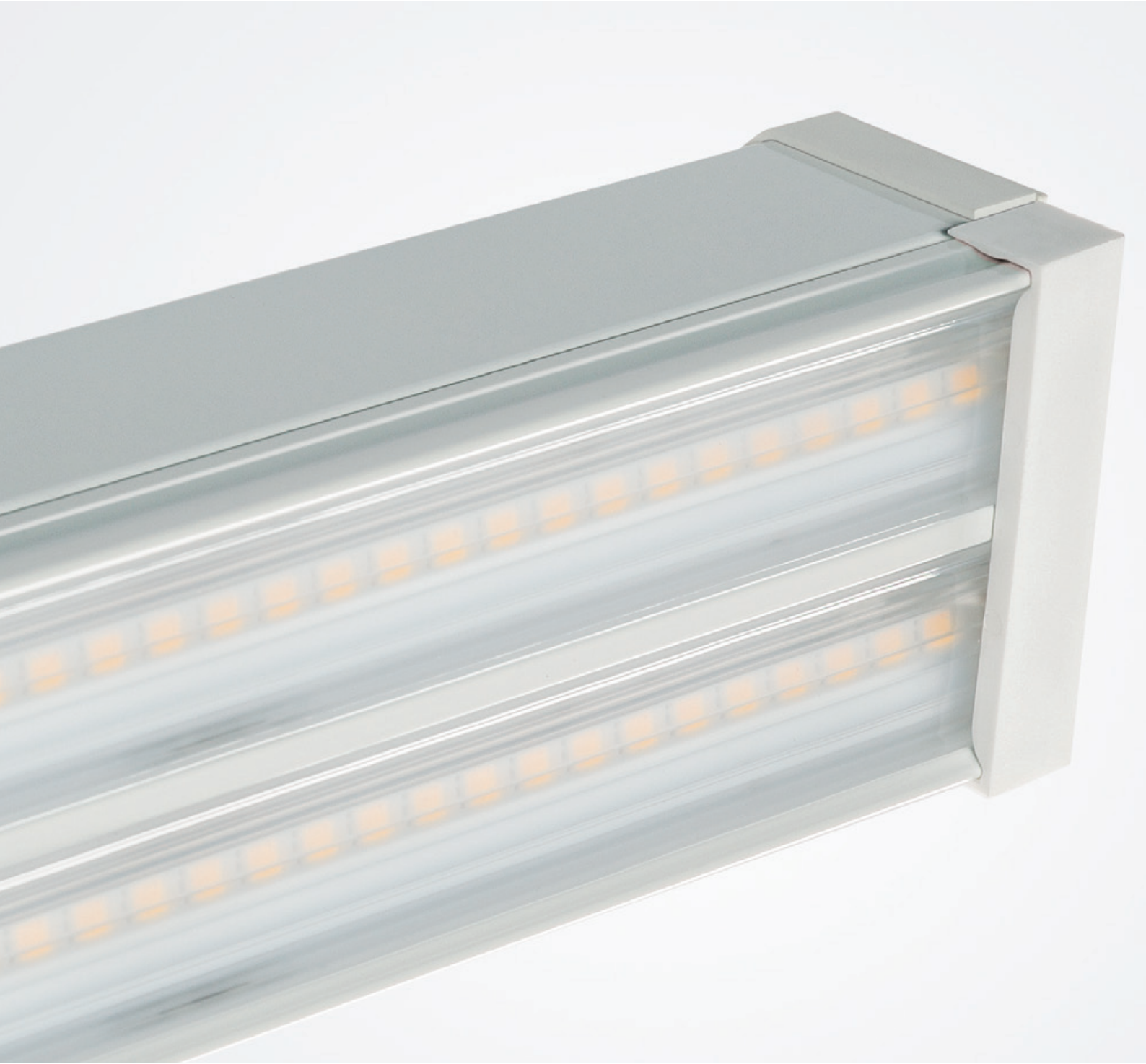
Light colour 850 *Colour rendering in index Ra ≥ 80 , Colour temperature 5000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. Prod. code	dim. conv. DALI Prod. code
					L	B	H			
○ VLGFP1001-7DAWS850W0550	1xLED-M 33 W	5417	37	146	1000	67	82	1,6		1561177
○ VLGFP1501-7DAWS850W0800	1xLED-M 50 W	8170	55	148	1500	67	82	2,2		1561173
● VLGFP1001-7DASI850W0550	1xLED-M 33 W	5257	37	142	1000	67	82	1,6		1561177SI
● VLGFP1501-7DASI850W0800	1xLED-M 50 W	7930	55	144	1500	67	82	2,2		1561173SI
● VLGFP1001-7DASW850W0550	1xLED-M 33 W	5159	37	139	1000	67	82	1,6		1561177SW
● VLGFP1501-7DASW850W0800	1xLED-M 50 W	7779	55	141	1500	67	82	2,2		1561173SW
Luminaires with flexible resistance ResFlex*:										
○ VLGFP1501-5NDSW850W0800-RF	1xLED-M 50 W	8258	55	150	1500	67	66	2,2	1551214	
● VLGFP1501-5NDSI850W0800-RF	1xLED-M 50 W	8019	55	145	1500	67	66	2,2	1551214SI	
● VLGFP1501-5NDSW850W0750-RF	1xLED-M 50 W	7868	55	143	1500	67	66	2,2	1551214SW	

Light colour 865 *Colour rendering in index Ra ≥ 80 , Colour temperature 6500 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. Prod. code	dim. conv. DALI Prod. code
					L	B	H			
○ VLGFP1001-7DAWS865W0550	1xLED-M 33 W	5328	37	144	1000	67	82	1,6		1561178
○ VLGFP1501-7DAWS865W0800	1xLED-M 50 W	7903	55	143	1500	67	82	2,2		1561174
● VLGFP1001-7DASI865W0550	1xLED-M 33 W	5177	37	139	1000	67	82	1,6		1561178SI
● VLGFP1501-7DASI865W0800	1xLED-M 50 W	7672	55	139	1500	67	82	2,2		1561174SI
● VLGFP1001-7DASW865W0550	1xLED-M 33 W	5070	37	137	1000	67	82	1,6		1561178SW
● VLGFP1501-7DASW865W0800	1xLED-M 50 W	7530	55	136	1500	67	82	2,2		1561174SW
Luminaires with flexible resistance ResFlex*:										
○ VLGFP1501-5NDSW865W0800-RF	1xLED-M 50 W	7992	55	145	1500	67	66	2,2	1551215	
● VLGFP1501-5NDSI865W0800-RF	1xLED-M 50 W	7761	55	141	1500	67	66	2,2	1551215SI	
● VLGFP1501-5NDSW865W0750-RF	1xLED-M 50 W	7610	55	138	1500	67	66	2,2	1551215SW	

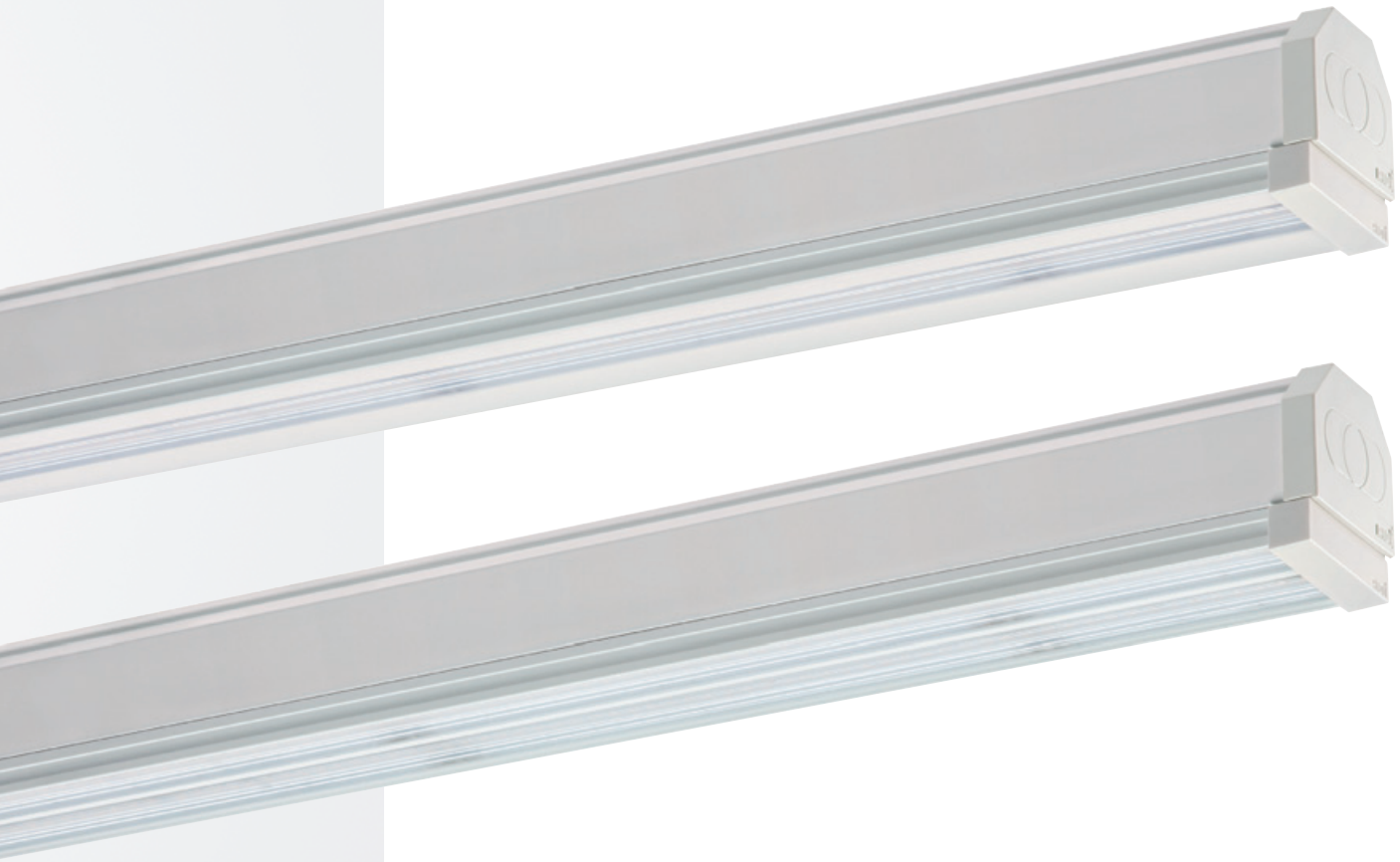
* Ten different resistances and ten different luminous flux levels can be set for the luminaires using an integrated flexible resistance. The specified values for luminaire luminous flux, output and efficiency are maximum values (Factory setting: maximum light distribution). LED technology is in a continuous process of further development. The specified efficiency values are provided as an illustrative example and reflect the state of the art at the time of going to print. Updated values can be accessed at any time at our website.



VLP GFP

with linear optics

Particularly suitable for industrial applications, with coated LEDs to protect against external influences

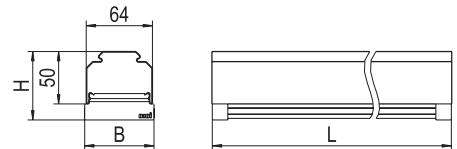




Gear tray VLPGF

with linear optics

Particularly suitable for industrial applications,
with coated LEDs to protect against external influences



Design: LED gear tray made of extruded aluminium, powder coated white. Coated RIDI LED linear modules fitted with mid-power LEDs for outstanding efficiency. Operating in conformity with SELV, the boards are pressed over their entire surface onto the aluminium base profile for optimum heat dissipation. Soldered joints of the LED modules are tested for cavities and resistance to vibration and torsion in compliance with the most stringent quality standards. No thermal coupling between the LED modules and converters. Linear optics in clear, UV-stabilized PMMA, integrated flush into the surface of the gear tray. Oil-resistant seals, end caps made of thermoplastic, for conformity with IP54 protection rating. The width of the gear tray is identical to the trunking. Spring steel clips for fixture of the gear tray in the trunking VLTM. In conjunction with trunking VLTM for the configuration of modular variable continuous lighting systems conforms to protection rating IP20 and IP54. The gear trays can be mounted at any preferred location on the trunking. Electrical adapters for flexible take-off of the through wiring in the trunking with automatic PE conductor connection. Phase selection by means of sliding contact. Optical and colour coding for simple installation. Mechanical coding to prevent incorrect installation (polarity reversal). Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ...-600.

Note: LED fitted with nanocoating for increased resistance to corrosive gasses.

Electrical versions:

- Dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Light distributions:

- B** wide beam
- E** extremely narrow beam

Colour temperatures:

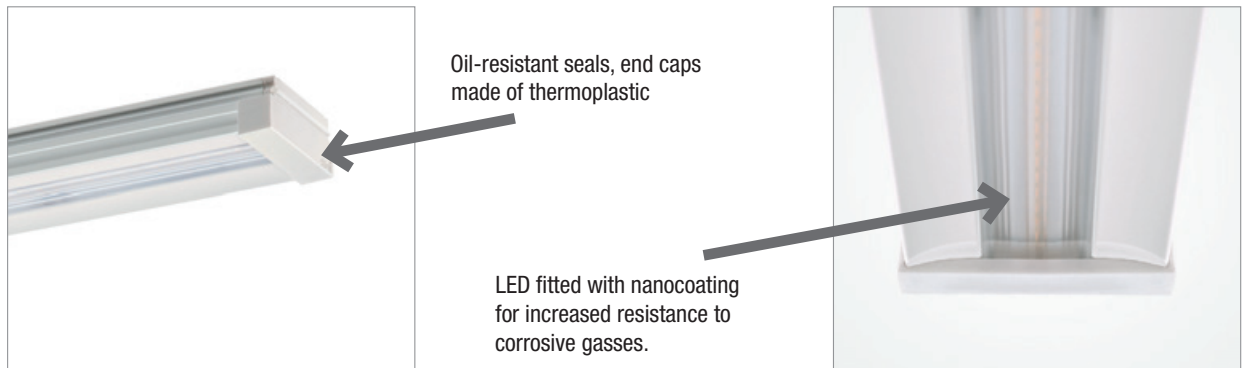
- 4000 Kelvin (840)
- 5000 Kelvin (850)
- 6500 Kelvin (865)
- Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



acc. to DIN EN 60598/VDE 0711

 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.



Light colour 840 *Colour rendering in index Ra \geq 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	dim. conv. DALI Prod. code
					L	B	H		
VLPGFP1001-7DAWS840B0500	1xLED-M 29 W	5130	32	160	1000	67	66	1,4	1561204
VLPGFP1501-7DAWS840B0750	1xLED-M 43 W	7758	47	164	1500	67	66	1,9	1561208
VLPGFP1002-7DAWS840B1100	2xLED-M 31 W	10812	67	161	1000	67	66	1,6	1561206
VLPGFP1502-7DAWS840B1600	2xLED-M 47 W	16423	100	164	1500	67	66	2,2	1561210

Light distribution: E extremely narrow beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	dim. conv. DALI Prod. code
					L	B	H		
VLPGFP1001-7DAWS840E0500	1xLED-M 29 W	4840	32	151	1000	67	66	1,4	1561205
VLPGFP1501-7DAWS840E0700	1xLED-M 43 W	7210	47	153	1500	67	66	1,9	1561209
VLPGFP1002-7DAWS840E1000	2xLED-M 31 W	10261	67	153	1000	67	66	1,6	1561207
VLPGFP1502-7DAWS840E1500	2xLED-M 47 W	15436	100	154	1500	67	66	2,2	1561211

Light colour 850 *Colour rendering in index Ra \geq 80, Colour temperature 5000 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	dim. conv. DALI Prod. code
					L	B	H		
VLPGFP1001-7DAWS850B0500	1xLED-M 29 W	5130	32	160	1000	67	66	1,4	1561227
VLPGFP1501-7DAWS850B0750	1xLED-M 43 W	7758	47	164	1500	67	66	1,9	1561231
VLPGFP1002-7DAWS850B1100	2xLED-M 31 W	10812	67	161	1000	67	66	1,6	1561229
VLPGFP1502-7DAWS850B1600	2xLED-M 47 W	16423	100	164	1500	67	66	2,2	1561233

Light distribution: E extremely narrow beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	dim. conv. DALI Prod. code
					L	B	H		
VLPGFP1001-7DAWS850E0500	1xLED-M 29 W	4840	32	151	1000	67	66	1,4	1561228
VLPGFP1501-7DAWS850E0700	1xLED-M 43 W	7210	47	153	1500	67	66	1,9	1561232
VLPGFP1002-7DAWS850E1000	2xLED-M 31 W	10261	67	153	1000	67	66	1,6	1561230
VLPGFP1502-7DAWS850E1500	2xLED-M 47 W	15436	100	154	1500	67	66	2,2	1561234

Light colour 865 *Colour rendering in index Ra \geq 80, Colour temperature 6500 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	dim. conv. DALI Prod. code
					L	B	H		
VLPGFP1001-7DAWS865B0500	1xLED-M 29 W	5130	32	160	1000	67	66	1,4	1561219
VLPGFP1501-7DAWS865B0750	1xLED-M 43 W	7758	47	164	1500	67	66	1,9	1561223
VLPGFP1002-7DAWS865B1100	2xLED-M 31 W	10812	67	161	1000	67	66	1,6	1561221
VLPGFP1502-7DAWS865B1600	2xLED-M 47 W	16423	100	164	1500	67	66	2,2	1561225

Light distribution: E extremely narrow beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	dim. conv. DALI Prod. code
					L	B	H		
VLPGFP1001-7DAWS865E0500	1xLED-M 29 W	4840	32	151	1000	67	66	1,4	1561220
VLPGFP1501-7DAWS865E0700	1xLED-M 43 W	7210	47	153	1500	67	66	1,9	1561224
VLPGFP1002-7DAWS865E1000	2xLED-M 31 W	10261	67	153	1000	67	66	1,6	1561222
VLPGFP1502-7DAWS865E1500	2xLED-M 47 W	15436	100	154	1500	67	66	2,2	1561226

Oil-resistant accessories see next pages

Dummy cover oil-resistant



VLPSBKM dummy cover

Dummy element in extruded plastic. Extruded profile clips into the trunking. For cutting to length as required. Including VLPSBKD seals (similar to RAL7035). Protection rating IP54. Oil-resistant. Note: By sawing the VLBKM 4500 (Item no.: 1207289) to length and using additional VLPSBKD (Item no.: 1207200) seals, other variable lengths are possible.

Model	Description	Prod. code
VLPSBKM 1500	Dummy cover, length including seals = 1,500 mm, IP54, oil-resistant, white	1207294

Accessories



VLPSBKD

IP54 VLPSBKD seal

Seal for VLPSBK dummy cover, oil-resistant, IP54, light grey (similar to RAL7035), for attachment to dummy cover already shortened on site.

Model	Description	Prod. code
VLPSBKD	Dummy cover seal VLPSBK oilpr. for IP54, 1 pc.	1207200

Trunking accessories oil-resistant



VLPTVD

VLPTVD seal

Protection rating-based seal of the trunking connection for protection rating IP54, oil-resistant, light grey (similar to RAL7035).

Model	Description	Prod. code
VLPTVD	Trunking seal oilpr. for IP54, 1 pc.	1207201



VLPGFP-K

VLPGFP-K metal cover

Cover for VLPTVD seal as protection from ambient conditions, white.

Model	Description	Prod. code
VLPGFP-K	Cover for seal VLPTVD, white, 1 unit	0209148
VLPGFP-K NETZ	Cover for seal VLPTVD at mains connector, white, 1 unit	0209149



VLPNE ... F

VLPNE...F flexible mains connector

For flexible fine- and multi-wired cables up to max. 2.5 mm². Three different designs for 5-, 7- and 11-core through wiring. Colour coding of the three designs. Including oil-resistant bushing (light grey similar to RAL7035) for cable inlet in trunking or end cap.

Model	Description	Prod. code
VLPNE-5F	Mains conn. wiring 5-core, stranded IP20/54, oilpr., 1 pc.	1207205
VLPNE-7F	Mains conn. wiring 7-core, stranded IP20/54, oilpr., 1 pc.	1207206
VLPNE-11F	Mains conn. wiring 11-core, stranded IP20/54, oilpr., 1 pc.	1207207



VLPNE ... S

VLPNE...S rigid mains connector

For rigid single-wired cables up to max. 2.5 mm². Three different designs for 5-, 7- and 11-core through wiring. Colour coding of the three designs. Including oil-resistant bushing (light grey similar to RAL7035) for cable inlet in trunking or end cap.

Model	Description	Prod. code
VLPNE-5S	Mains conn. wiring 5-core, single w. IP20/54, oilpr., 1 pc.	1207202
VLPNE-7S	Mains conn. wiring 7-core, single w. IP20/54, oilpr., 1 pc.	1207203
VLPNE-11S	Mains conn. wiring 11-core, single w. IP20/54, oilpr., 1 pc.	1207204



VLTE

VLTE, VLTE SI trunking end cap

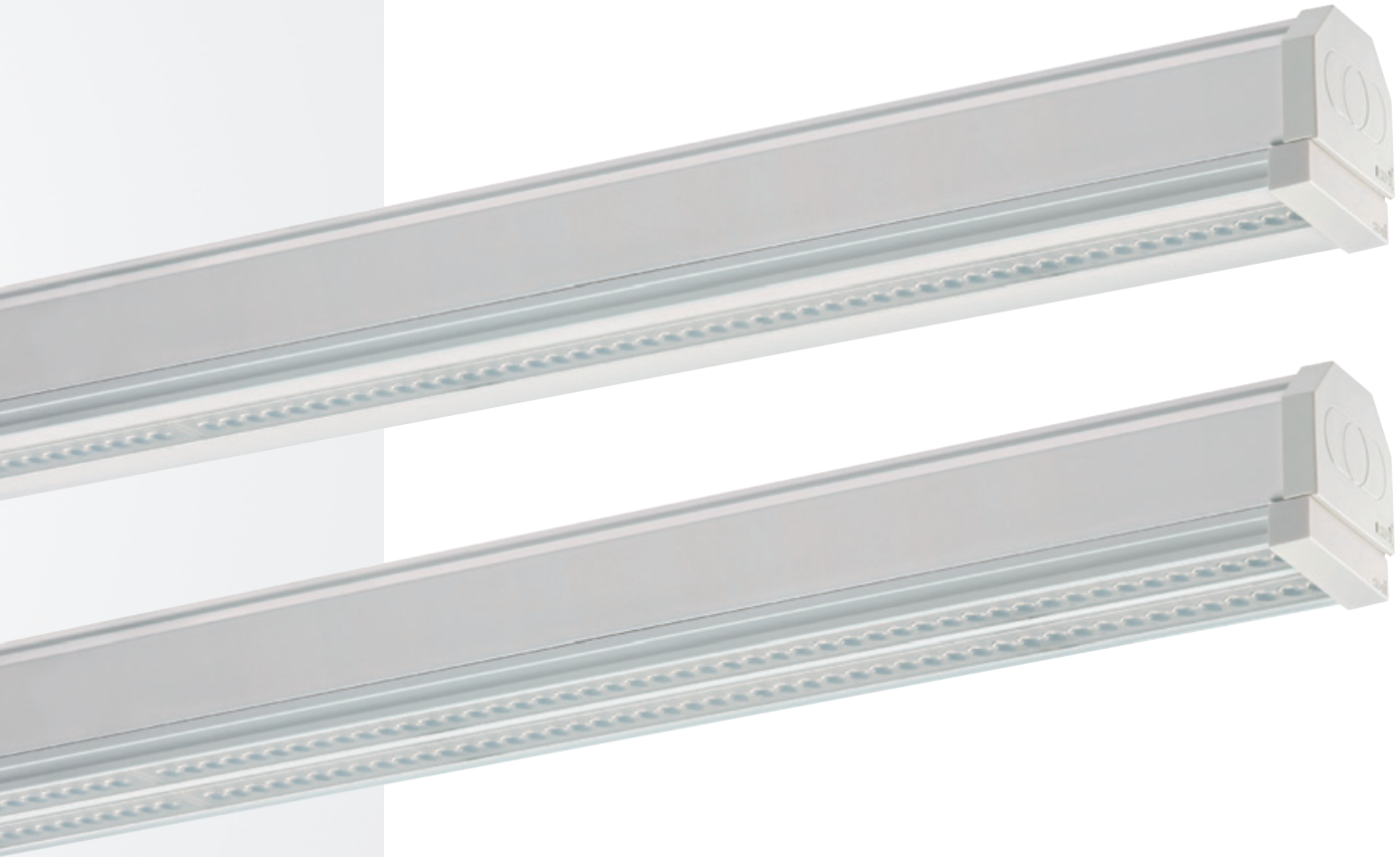
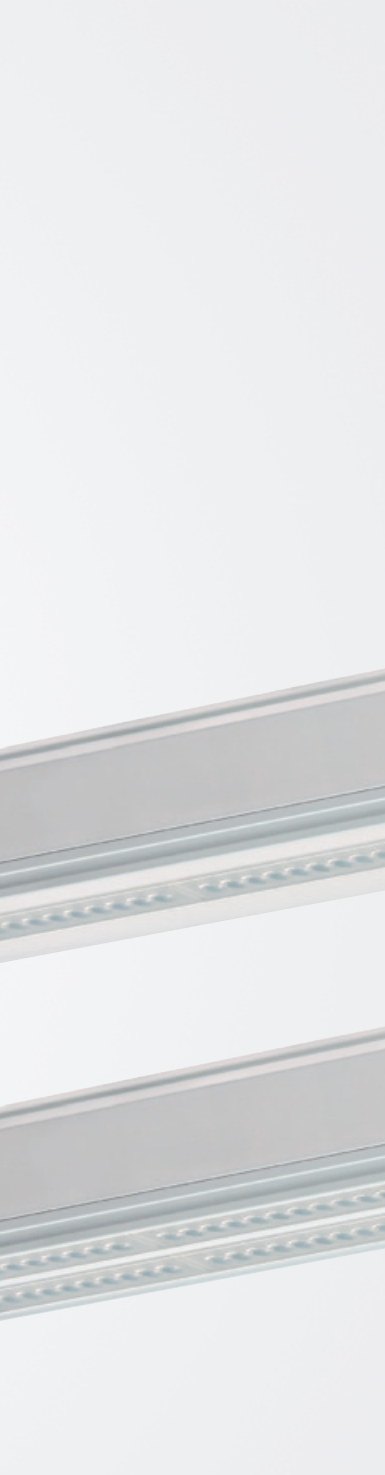
End cap for trunking made of plastic. Round 20 mm dia. and oval 50 x 20 mm knockouts for cable infeed. Assembly by plugging onto the trunking. Secure hold ensured by spring steel clips. 1 pc.

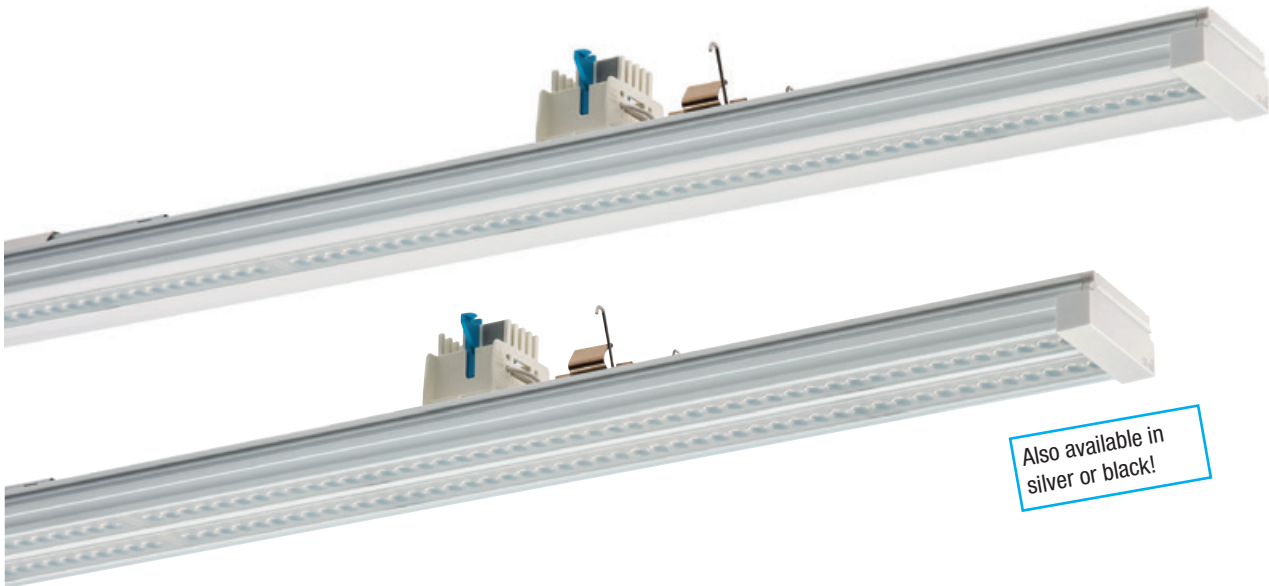
Model	Description	Prod. code
VLTE	Trunking end cap, white, plastic, 1 pc	0205791



VLGFL

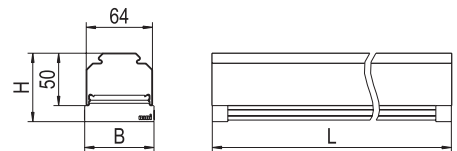
with lens arrays





Gear tray VLGFL

with lens arrays



Design: LED gear tray made of extruded aluminium, powder coated white. RIDI LED linear modules fitted with mid-power LEDs for outstanding efficiency. The boards are pressed over their entire surface onto the aluminium base profile for optimum heat dissipation. Soldered joints of the LED modules are tested for cavities and resistance to vibration and torsion in compliance with the most stringent quality standards.

No thermal coupling between the LED modules and converters. Lenses made of clear, UV-stabilised PMMA integrated flush in the gear tray.

End caps made of thermoplastic. The width of the gear tray is identical to the trunking.

Spring steel clips for fixture of the gear tray in the trunking VLTM. In conjunction with trunking VLTM for the configuration of modular variable continuous lighting systems conforms to protection rating IP20 and IP50.

The gear trays can be mounted at any preferred location on the trunking. Electrical adapters for flexible take-off of the through wiring in the trunking with automatic PE conductor connection. Phase selection by means of sliding contact. Colour and optical coding for simple installation. Mechanical coding to prevent incorrect installation (polarity reversal).

Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ...-600.

Note: Minimum operating temperature of 0°C.

Electrical versions:

- Dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.
- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Note on "Food Hygiene Act":

These luminaires comply with the stipulations of the Food Hygiene Act as defined by Regulation (EC) No. 852/2004 (HACCP) Annex II Chapter I section 2 a, b, Chapter II section 1c relating to luminaires. These are suitable for use in the food industry.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Light distributions:

- B** wide beam
- E** extremely narrow beam

Colour temperatures:

- 4000 Kelvin (840)
 - 5000 Kelvin (850)
 - 6500 Kelvin (865)
- Other colour temperatures possible on request.


Colour rendering in index Ra \geq 80

 Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.


Light colour 840 *Colour rendering in index Ra \geq 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFL1501-xxxWS840B0450	1xLED-M 23 W	4500	26	173	1500	67	66	1,9	1551158	1561158
VLGFL1001-xxxWS840B0550	1xLED-M 29 W	5400	33	163	1000	67	66	1,4	1551066	1561066
VLGFL1501-xxxWS840B0800	1xLED-M 44 W	8100	49	165	1500	67	66	1,9	1551068	1561068
VLGFL1002-xxxWS840B1000	2xLED-M 27 W	9900	59	167	1000	67	66	1,6	1551070	1561070
VLGFL1502-xxxWS840B1500	2xLED-M 40 W	14800	88	168	1500	67	66	2,2	1551072	1561072


Light distribution: E extremely narrow beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFL1501-xxxWS840E0450	1xLED-M 23 W	4700	26	180	1500	67	66	1,9	1551161	1561161
VLGFL1001-xxxWS840E0550	1xLED-M 29 W	5600	33	169	1000	67	66	1,4	1551065	1561065
VLGFL1501-xxxWS840E0850	1xLED-M 44 W	8500	49	173	1500	67	66	1,9	1551067	1561067
VLGFL1002-xxxWS840E1000	2xLED-M 27 W	10300	59	174	1000	67	66	1,6	1551069	1561069
VLGFL1502-xxxWS840E1500	2xLED-M 40 W	15400	88	175	1500	67	66	2,2	1551071	1561071


Light colour 850 *Colour rendering in index Ra \geq 80, Colour temperature 5000 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFL1501-xxxWS850B0450	1xLED-M 23 W	4500	26	173	1500	67	66	1,9	1551159	1561159
VLGFL1001-xxxWS850B0550	1xLED-M 29 W	5400	33	163	1000	67	66	1,4	1551074	1561074
VLGFL1501-xxxWS850B0800	1xLED-M 44 W	8100	49	165	1500	67	66	1,9	1551076	1561076
VLGFL1002-xxxWS850B1000	2xLED-M 27 W	9900	59	167	1000	67	66	1,6	1551078	1561078
VLGFL1502-xxxWS850B1500	2xLED-M 40 W	14800	88	168	1500	67	66	2,2	1551080	1561080


Light distribution: E extremely narrow beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFL1501-xxxWS850E0450	1xLED-M 23 W	4700	26	180	1500	67	66	1,9	1551162	1561162
VLGFL1001-xxxWS850E0550	1xLED-M 29 W	5600	33	169	1000	67	66	1,4	1551073	1561073
VLGFL1501-xxxWS850E0850	1xLED-M 44 W	8500	49	173	1500	67	66	1,9	1551075	1561075
VLGFL1002-xxxWS850E1000	2xLED-M 27 W	10300	59	174	1000	67	66	1,6	1551077	1561077
VLGFL1502-xxxWS850E1500	2xLED-M 40 W	15400	88	175	1500	67	66	2,2	1551079	1561079


Light colour 865 *Colour rendering in index Ra \geq 80, Colour temperature 6500 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam



Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFL1501-xxxWS865B0450	1xLED-M 23 W	4500	36	125	1500	67	66	1,9	1551160	1561160
VLGFL1001-xxxWS865B0550	1xLED-M 29 W	5400	33	163	1000	67	66	1,4	1551082	1561082
VLGFL1501-xxxWS865B0800	1xLED-M 44 W	8100	49	165	1500	67	66	1,9	1551084	1561084
VLGFL1002-xxxWS865B1000	2xLED-M 27 W	9900	59	167	1000	67	66	1,6	1551086	1561086
VLGFL1502-xxxWS865B1500	2xLED-M 40 W	14800	88	168	1500	67	66	2,2	1551088	1561088

Light distribution: E extremely narrow beam



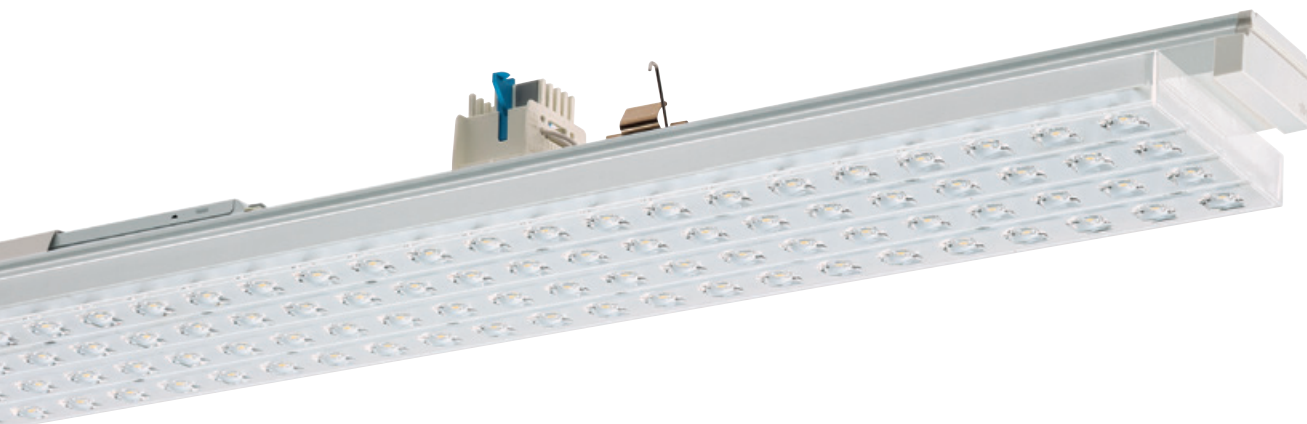
Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFL1501-xxxWS865E0450	1xLED-M 23 W	4700	26	180	1500	67	66	1,9	1551163	1561163
VLGFL1001-xxxWS865E0550	1xLED-M 29 W	5600	33	169	1000	67	66	1,4	1551081	1561081
VLGFL1501-xxxWS865E0850	1xLED-M 44 W	8500	49	173	1500	67	66	1,9	1551083	1561083
VLGFL1002-xxxWS865E1000	2xLED-M 27 W	10300	59	174	1000	67	66	1,6	1551085	1561085
VLGFL1502-xxxWS865E1500	2xLED-M 40 W	15400	88	175	1500	67	66	2,2	1551087	1561087



VLG-LENSES

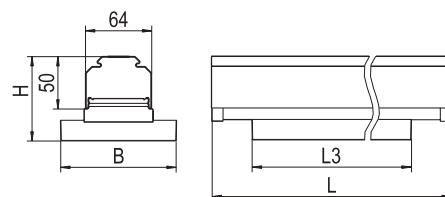
with lens arrays





Gear tray VLG-LENSES

with lens arrays



Design: LED gear trays made of extruded aluminium, powder coated white or black (...SW-...) with square, 4-row lens arrays for high-efficiency light yield. Mid-power LED modules for maximum lighting efficiency. Protection class I, protection rating IP40.

Spring steel clips for fixing the gear tray along the VLTM carrier rail. Can be used together with the VLTM carrier rail for producing modular, variable light bands with an IP40 protection rating. The gear trays can be mounted anywhere along the carrier rail. Electrical adapter allows the point at which current is drawn within the carrier rail to vary thanks to automatically contacted protective conductors. Phase selection using a sliding contact. Colour and optical coding for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection).

Where gear trays are variably positioned and control gear comes into contact with the carrier rail, mounting is only possible using the VLTV...-600 carrier rail.

Electrical versions:

- dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz. Suitable for DC operation and use in central battery systems.
- El. conv.: Electronic converter for LED, 220-240 Volt, 0/50-60 Hz. Suitable for DC operation and use in central battery systems.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Light distributions:

- D** direct
- DI** direct/indirect

Colour temperatures:

- 4000 Kelvin (840)
- Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



acc. to DIN EN 60598/VDE 0711

Light colour 840 *Colour rendering in index Ra \geq 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Direct light distribution. Light distribution directly through lens array, 2-piece.
Glare control for display-screen compatible workstation lighting.

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]				Weight [kg]	el. conv.	dim. conv.
					L	B	H	L3		xxx=5ND Prod. code	DALI xxx=7DA Prod. code
○ VLG-LENSES-D 1100xxWS840	1xLED-M 19 W	3322	21	158	1100	113	82	1021	2,8	1522512	1532512
○ VLG-LENSES-D 1500xxWS840	1xLED-M 28 W	4895	32	152	1500	113	82	1471	4,2	1522510	1532510
● VLG-LENSES-D 1100xxSW840	1xLED-M 19 W	3322	21	158	1100	113	82	1021	2,8	1522512SW	1532512SW
● VLG-LENSES-D 1500xxSW840	1xLED-M 28 W	4895	32	152	1500	113	82	1471	4,2	1522510SW	1532510SW

Direct/indirect light distribution. Light distribution directly through lens array, 2-piece.
Glare control for display-screen compatible workstation lighting.
Indirect light control using a cover, matt panel in UV-resistant PMMA.

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]				Weight [kg]	el. conv.	dim. conv.
					L	B	H	L3		xxx=5ND Prod. code	DALI xxx=7DA Prod. code
○ VLG-LENSES-DI 1100xxWS840	1xLED-M 28 W	5000	30	166	1100	113	82	1021	2,9	1522513	1532513
○ VLG-LENSES-DI 1500xxWS840	1xLED-M 39 W	6050	43	140	1500	113	82	1471	4,3	1522511	1532511
● VLG-LENSES-DI 1100xxSW840	1xLED-M 28 W	5000	30	166	1100	113	82	1021	2,9	1522513SW	1532513SW
● VLG-LENSES-DI 1500xxSW840	1xLED-M 39 W	6050	43	140	1500	113	82	1471	4,3	1522511SW	1532511SW

 Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

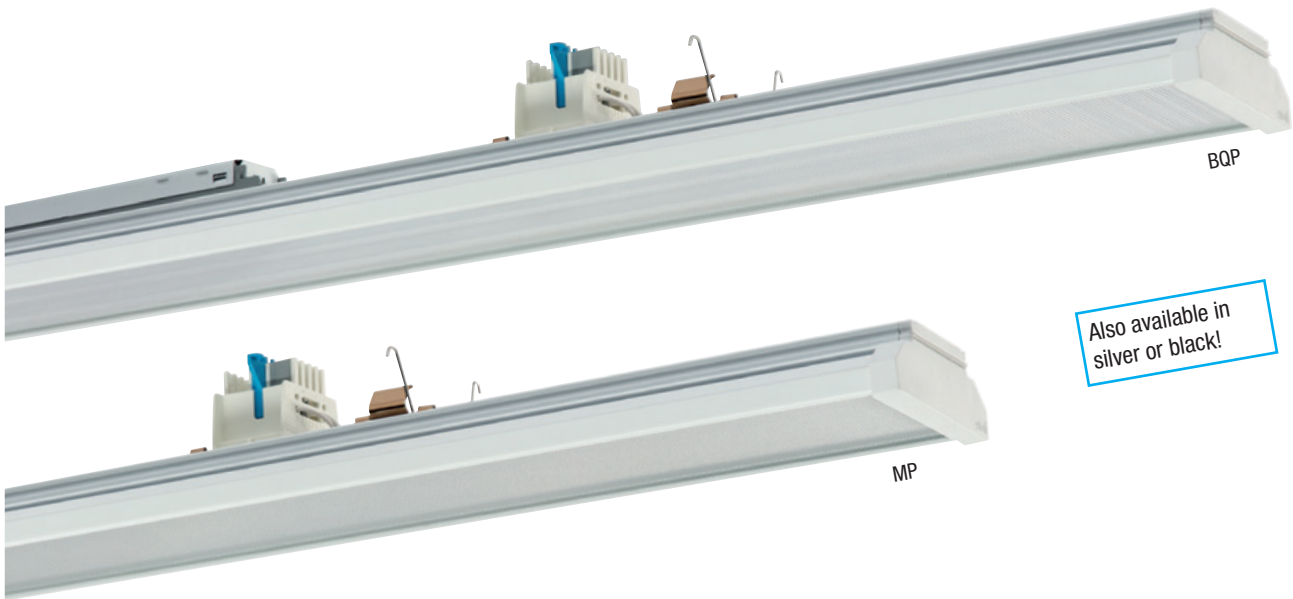
 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.



VLGFS

*with enlarged light surface and panels,
with glare control for use around workstations*

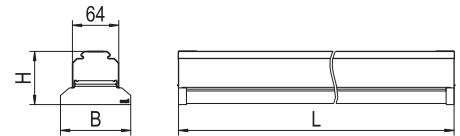




Also available in silver or black!

Gear tray VLGFS

*with enlarged light surface and panels,
with glare control for use around workstations*



Design: LED gear tray made of extruded aluminium, powder coated white with enlarged light surface. RIDI LED linear modules fitted with mid-power LEDs for outstanding efficiency. Operating in conformity with SELV, the boards are pressed over their entire surface onto the aluminium base profile for optimum heat dissipation. Soldered joints of the LED modules are tested for cavities and resistance to vibration and torsion in compliance with the most stringent quality standards. No thermal coupling between the LED modules and converters.

Service life L80B50 at 50.000h. End caps made of thermoplastic for conformity with IP54 protection rating. Optional clear panel insertable in the factory for simple removal of dirt deposits underneath (protection rating IP40).

Spring steel clips for fixture of the gear tray in the trunking VLTM. In conjunction with trunking VLTM for the configuration of modular variable continuous lighting systems conforms to protection rating IP20 and IP54. The gear trays can be mounted at any preferred location on the trunking. Electrical adapters for flexible take-off of the through wiring in the trunking with automatic PE conductor connection.

Phase selection by means of sliding contact. Colour and optical coding for simple installation. Mechanical coding to prevent incorrect installation (polarity reversal). Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ...-600.

Electrical versions:

- Dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.
- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Note on "Food Hygiene Act":

These luminaires comply with the stipulations of the Food Hygiene Act as defined by Regulation (EC) No. 852/2004 (HACCP) Annex II Chapter I section 2 a, b, Chapter II section 1c relating to luminaires. These are suitable for use in the food industry.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Optics:

- MP** All-round glare reduction due to microprism UV-stabilised PMMA panel.
- BQP** Linear optics with wide-beam light distribution made of transparent UV-stabilised PMMA integrated in the gear tray. Longitudinal glare reduction through cross-prism UV-stabilised PMMA panel.

Available on request:

- OS** Longitudinal glare reduction due to opal UV-stabilised PMMA panel.

Colour temperatures:

- 3000 Kelvin (830)
- 4000 Kelvin (840)
- 5000 Kelvin (850)
- 6500 Kelvin (865)
- Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80

 Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.



acc. to DIN EN 60598/VDE 0711

Light colour 830 *Colour rendering in index Ra ≥ 80, Colour temperature 3000 Kelvin, EEC: A++, A+, A*

MP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS830MP0450	1xLED-M 33 W	4822	37	130	1000	97	74	2,1	1551196	1561196
VLGFS1501-xxxWS830MP0700	1xLED-M 50 W	7276	55	132	1500	97	74	2,8	1551184	1561184
VLGFS1002-xxxWS830MP0950	2xLED-M 33 W	9644	74	130	1000	97	74	2,2	1551251	1561251
VLGFS1502-xxxWS830MP1400	2xLED-M 50 W	14552	110	132	1500	97	74	3,0	1551239	1561239

BQP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS830BQP0450	1xLED-M 33 W	4720	37	127	1000	97	74	2,1	1551195	1561195
VLGFS1501-xxxWS830BQP0700	1xLED-M 50 W	7121	55	129	1500	97	74	2,8	1551183	1561183
VLGFS1002-xxxWS830BQP0950	2xLED-M 33 W	9440	74	127	1000	97	74	2,2	1551250	1561250
VLGFS1502-xxxWS830BQP1500	2xLED-M 50 W	14242	110	129	1500	97	74	3,0	1551238	1561238

Light colour 840 *Colour rendering in index Ra ≥ 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

MP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS840MP0500	1xLED-M 33 W	5076	37	137	1000	97	74	2,1	1551193	1561193
VLGFS1501-xxxWS840MP0750	1xLED-M 50 W	7529	55	136	1500	97	74	2,8	1551181	1561181
VLGFS1002-xxxWS840MP1000	2xLED-M 33 W	10152	74	137	1000	97	74	2,2	1551248	1561248
VLGFS1502-xxxWS840MP1500	2xLED-M 50 W	15058	110	136	1500	97	74	3,0	1551236	1561236

BQP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS840BQP0500	1xLED-M 33 W	4968	37	134	1000	97	74	2,1	1551192	1561192
VLGFS1501-xxxWS840BQP0750	1xLED-M 50 W	7369	55	133	1500	97	74	2,8	1551180	1561180
VLGFS1002-xxxWS840BQP1000	2xLED-M 33 W	9936	74	134	1000	97	74	2,2	1551247	1561247
VLGFS1502-xxxWS840BQP1500	2xLED-M 50 W	14738	110	133	1500	97	74	3,0	1551235	1561235

Light colour 850 *Colour rendering in index Ra ≥ 80, Colour temperature 5000 Kelvin, EEC: A++, A+, A*

MP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS850MP0500	1xLED-M 33 W	5161	37	139	1000	97	74	2,1	1551199	1561199
VLGFS1501-xxxWS850MP0750	1xLED-M 50 W	7783	55	141	1500	97	74	2,8	1551187	1561187
VLGFS1002-xxxWS850MP1000	2xLED-M 33 W	10322	74	139	1000	97	74	2,2	1551254	1561254
VLGFS1502-xxxWS850MP1500	2xLED-M 50 W	15566	110	141	1500	97	74	3,0	1551242	1561242

BQP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS850BQP0500	1xLED-M 33 W	5051	37	136	1000	97	74	2,1	1551198	1561198
VLGFS1501-xxxWS850BQP0750	1xLED-M 50 W	7618	55	138	1500	97	74	2,8	1551186	1561186
VLGFS1002-xxxWS850BQP1000	2xLED-M 33 W	10102	74	136	1000	97	74	2,2	1551253	1561253
VLGFS1502-xxxWS850BQP1500	2xLED-M 50 W	15236	110	138	1500	97	74	3,0	1551241	1561241

Light colour 865 *Colour rendering in index Ra ≥ 80, Colour temperature 6500 Kelvin, EEC: A++, A+, A*

MP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS865MP0500	1xLED-M 33 W	5076	37	137	1000	97	74	2,1	1551202	1561202
VLGFS1501-xxxWS865MP0750	1xLED-M 50 W	7529	55	136	1500	97	74	2,8	1551190	1561190
VLGFS1002-xxxWS865MP1000	2xLED-M 33 W	10152	74	137	1000	97	74	2,2	1551257	1561257
VLGFS1502-xxxWS865MP1500	2xLED-M 50 W	15058	110	136	1500	97	74	3,0	1551245	1561245

BQP

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv. xxx=5ND Prod. code	dim. conv. DALI xxx=7DA Prod. code
					L	B	H			
VLGFS1001-xxxWS865BQP0500	1xLED-M 33 W	4968	37	134	1000	97	74	2,1	1551201	1561201
VLGFS1501-xxxWS865BQP0750	1xLED-M 50 W	7369	55	133	1500	97	74	2,8	1551189	1561189
VLGFS1002-xxxWS865BQP1000	2xLED-M 33 W	9936	74	134	1000	97	74	2,2	1551256	1561256
VLGFS1502-xxxWS865BQP1500	2xLED-M 50 W	14738	110	133	1500	97	74	3,0	1551244	1561244



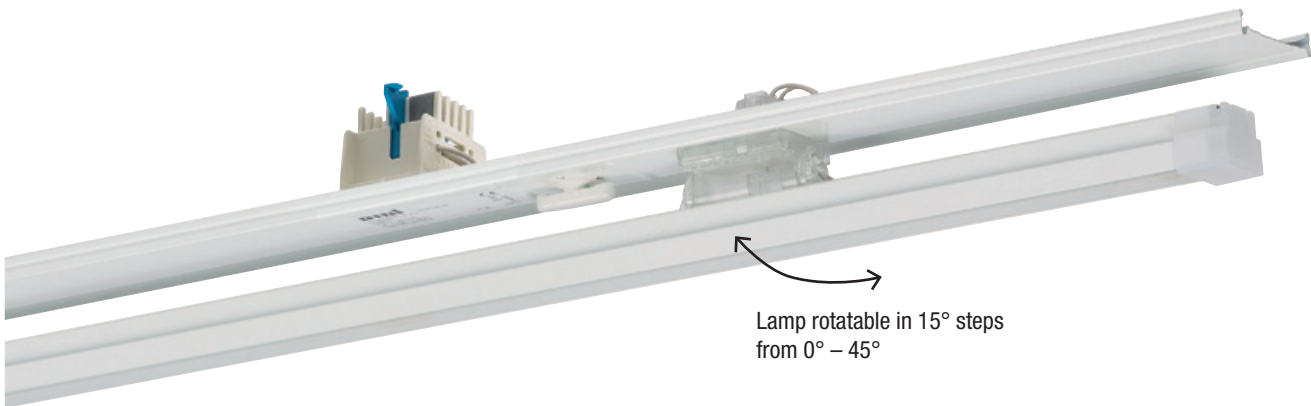




VLGTF

with swivel-mounted lamp

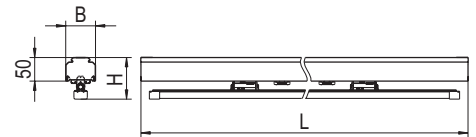




Lamp rotatable in 15° steps
from 0° – 45°

Gear tray VLGTF

with swivel-mounted lamp



Design: Profiled LED gear tray in galvanised white coated steel. RIDI LED linear modules fitted with mid-power LEDs for outstanding efficiency. Operating in conformity with SELV, the boards are pressed over their entire surface onto the aluminium profile for optimum heat dissipation. Soldered joints of the LED modules are tested for cavities and resistance to vibration and torsion in compliance with the most stringent quality standards. L-TUBE-TF included.

No thermal coupling between the LED modules and converters. Service life L80B50 at 50.000h. Linear optics integrated in the aluminium profiles.

End caps in durable PC. In conjunction with trunking VLTM for the configuration of modular variable continuous lighting systems conforms to protection rating IP20. The gear trays can be mounted at any preferred location on the trunking. Electrical adapters for flexible take-off of the through wiring in the trunking with automatic PE conductor connection. Phase selection by means of sliding contact. Colour and optical coding for simple installation. Mechanical coding to prevent incorrect installation (polarity reversal).

Where gear trays are variably positioned and where the electrical components come into contact with the trunking connector, mounting is only possible using trunking connector VLTV ...-600.

Electrical versions:

- Dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.
- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Additional designs on request:

- ED:** Gear tray with emergency lighting element, automatic self-test and maintenance-free battery for three hours of continuous operation. Emergency lighting mode LEDs produce approximately 450 lm of luminous flux. (Gear tray L=1500 mm)
- Z:** Emergency lighting gear tray for central 230 V AC/DC substitute power supply (stand-by circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).
- UR:** Emergency lighting gear tray with changeover relay for central 230 V AC/DC substitute power supply (continuous circuit). 100% luminaire luminous flux for switchable models, 15% luminaire luminous flux for DALI models (programmable on request).

Optics:

- B** Linear optics in transparent UV-stabilised PMMA for wide-beam light distribution
- O** Linear optics in opal coloured UV-stabilised PMMA for diffuse light distribution

Colour temperatures:

4000 Kelvin (840)
Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



acc. to DIN EN 60598/VDE 0711



Light colour 840 *Colour rendering in index Ra ≥ 80 , Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Light distribution: B wide beam

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv.	dim. conv.
					L	B	H		xxx=5ND Prod. code	DALI xxx=7DA Prod. code
VLGTF1501-xxxWS840B0850	1xLED-M 50 W	8241	55	149	1500	64	96	2,3	0250582	0260582

Light distribution: O diffuse, opal

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	el. conv.	dim. conv.
					L	B	H		xxx=5ND Prod. code	DALI xxx=7DA Prod. code
VLGTF1501-xxxWS840O0700	1xLED-M 50 W	6924	55	125	1500	64	96	2,3	0250583	0260583

 Gear tray with blue colour coding for mounting in VLTM-5, VLTM-7 or VLTM-11.

 Gear tray with purple colour coding for mounting in VLTM-7 or VLTM-11.



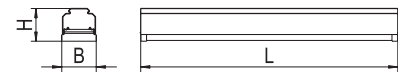
Modules VLMF

*Module inserts for mounting in VLTM trunking.
Combinable with LINIA gear trays for optimal adjustment
and customisation of the continuous lighting system.*





VLMF-BLIND



Dummy element with VLMF cross-section

Design: Blind module insert for mounting in VLT trunking in combination with VLG gear trays... VLMF supplementary module ... made of extruded aluminium, powder coated white, silver (-SI) or black (-SW). Spring steel clips for mounting to the trunking.

The VLMF modules ... can be positioned at variable distances between the VLG gear trays

Electrical adapter allows the point at which current is drawn (protective conductor) from the trunking to vary. Colour and optical coding (green) for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection).

Model	Dimens. [mm]			Weight [kg]	Prod. code
	L	B	H		
○ VLMF-BLIND 500-11	500	64	64	0,4	1500153
● VLMF-BLIND 500-11 SI	500	64	64	0,4	1500153SI
● VLMF-BLIND 500-11 SW	500	64	64	0,4	1500153SW



acc. to DIN EN 60598/VDE 0711



VLMF-ST

Module insert with earthed socket



Design: Socket module insert for mounting in VLTM trunking.

VLMF supplementary module ... made of extruded aluminium, powder coated white, silver (-SI) or black (-SW). Spring steel clips for mounting to the trunking.

The VLMF modules ... can be positioned at variable distances between the VGLF gear trays

Electrical adapter allows the point at which current is drawn from the trunking to vary. Colour and optical coding for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection).

Gear tray module with prefitted earthed socket to connect external appliances. Please note the protection rating, which may vary depending on the appliance. Maximum load 16 A.

Model	Dimens. [mm]			Weight [kg]	Prod. code
	L	B	H		
○ VLMF-ST 500-5	500	64	84	0,5	1500155
● VLMF-ST 500-5 SI	500	64	84	0,5	1500155SI
● VLMF-ST 500-5 SW	500	64	84	0,5	1500155SW



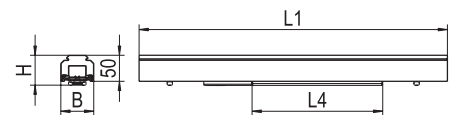
acc. to DIN EN 60598/VDE 0711



VLM-STS for mounting spotlights with three-phase adaptor



VLM-ST5



Module insert with three-phase track + DALI

Design: Lighting track module insert for mounting in VLTM trunking. VLM supplementary module ... profiled, in galvanised white, silver (-SI) or black (-SW) coated steel. Plastic coated quick-release catches for mounting to the trunking. The VLM modules ... can be positioned at variable distances between the VGL gear trays Electrical adapter allows the point at which current is drawn from the trunking to vary. Colour and optical coding for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection).

Gear tray including universal lighting track, 5+2 conductor system (L1, L2, L3, N, SL plus two control lines for DALI) to mount spotlights with three-phase adaptor. Purple colour coding for mounting in VLTM-7 or VLTM-11. All three phases are connected. Phase selected on the spotlight adaptor. Load up to 3 x 16 A + 2 x 10 A.

Gear tray length 1000 mm, usable lighting track length L4 = 270 mm.

Gear tray length 1500 mm, usable lighting track length L4 = 620 mm.

Model	Dimens. [mm]				Weight [kg]	Prod. code
	L	B	H	L4		
○ VLM-ST5 1000-7	1000	64	58	270	1,7	1500157
○ VLM-ST5 1500-7	1500	64	58	620	1,7	1500156
● VLM-ST5 1000-7 SI	1000	64	58	270	1,7	1500157SI
● VLM-ST5 1500-7 SI	1500	64	58	620	1,7	1500156SI
● VLM-ST5 1000-7 SW	1000	64	58	270	1,7	1500157SW
● VLM-ST5 1500-7 SW	1500	64	58	620	1,7	1500156SW



acc. to DIN EN 60598/VDE 0711

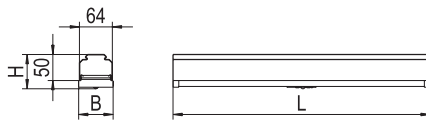


VLMF-SEN

Module insert with motion and light sensor

Design: Sensor module insert for mounting in VLTM trunking. VLMF supplementary modules ... made of extruded aluminium, powder coated white, silver (-SI) or black (-SW). Spring steel clips for mounting to the trunking. The VLMF modules ... can be positioned at variable distances between the VGLF gear trays Electrical adapter allows the point at which current is drawn from the trunking to vary. Colour and optical coding for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection).

Note: The VLM(F) ... supplementary modules can be placed in the connector area, depending on the construction.



VLMF-SEN 500-7 ECO...

Gear tray sensor module with Osram DALI-ECO multi-sensor (motion and light sensor).
 Up to 32 DALI gear trays can be operated with the VLMF-SEN 500...DALI-ECO sensor module.
 The VLMF-SEN 500-7 DALI-ECO-PEW supplementary module is available to increase the coverage.
 Up to three supplementary modules can be combined with a sensor module.

Model	Dimens. [mm]			Weight [kg]	○	●	●
	L	B	H		Prod. code	Prod. code	Prod. code
VLMF-SEN 500-7 DALI-ECO	500	64	67	0,6	1500175	1500175SI	1500175SW
VLMF-SEN 500-7 DALI-ECO-PEW	500	64	67	0,6	1500176	1500176SI	1500176SW



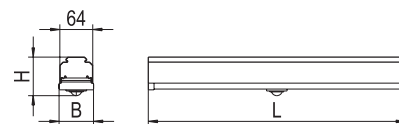
A sensor layout planning guide is available on pages 128 and 129

VLMF-SEN...PD... switch sensors

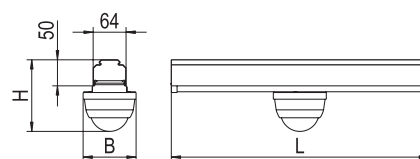
Gear tray sensor module with B.E.G. multi-sensor PD9/PD4 (motion and light sensor), including cover slats/blinds. Up to 14 switchable gear trays can be operated with a switch sensor. The VLMF-SEN ...-S-R5 supplementary modules are available to increase the coverage of the VLMF-SEN 500 ...-L2 switch sensors. Up to eight slave units can be combined with a single master sensor. Target value, follow-up time and so on can be configured via IR adapter or on the sensor itself (apart from PD9). Switching via buttons is possible when used with 11-pin trunking. 11-pin modules can also be used in combination with 7-pin trunking if switching via buttons is not required.

Model	recommended mounting height	Dimens. [mm]			Weight [kg]	Prod. code
		L	B	H		
VLMF-SEN 500-11 PD9-M-1C-L2	< 3 m	500	64	75	0,6	1500158
VLMF-SEN 500-7 PD9-S-R5	< 3 m	500	64	75	0,6	1500159
VLMF-SEN 500-11 PD4-M-1C-L2	3–5 m	500	103	138	0,7	1500162
VLMF-SEN 500-7 PD4-S-R5	3–5 m	500	103	138	0,7	1500163
VLMF-SEN 500-11 PD4-M-1C-GH-L2	5–16 m	500	103	138	0,7	1500164
VLMF-SEN 500-7 PD4-S-GH-R5	5–16 m	500	103	138	0,7	1500165

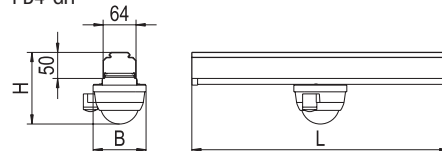
PD9



PD4/CDS



PD4-GH



VLMF-SEN...PD... dimming sensors

Gear tray sensor module with B.E.G. multi-sensor PD9/PD4 (motion and light sensor), including cover slats/blinds. Up to 50 DALI gear trays can be operated with a DALI sensor. The VLMF-SEN ...-S-R7 supplementary modules are available to increase the coverage of the VLMF-SEN 500 ...-DA dimming sensors. Up to eight slave units can be combined with a single master sensor. Target value, follow-up time and so on can be configured via IR adapter or on the sensor itself (apart from PD9). Switching via buttons is possible when used with 11-pin trunking. 11-pin modules can also be used in combination with 7-pin trunking if switching via buttons is not required.

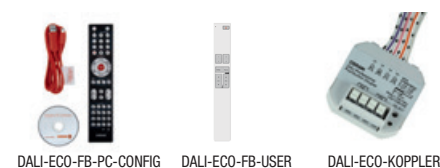
Model	recommended mounting height	Dimens. [mm]			Weight [kg]	Prod. code
		L	B	H		
VLMF-SEN 500-11 PD9-M-DA	< 3 m	500	64	75	0,6	1500160
VLMF-SEN 500-11 PD9-S-R7	< 3 m	500	64	75	0,6	1500161
VLMF-SEN 500-11 PD4-M-DA	3–5 m	500	103	138	0,7	1500166
VLMF-SEN 500-11 PD4-S-R7	3–5 m	500	103	138	0,7	1500167
VLMF-SEN 500-11 PD4-M-DA-GH	5–16 m	500	103	138	0,7	1500168
VLMF-SEN 500-11 PD4-S-GH-R7	5–16 m	500	103	138	0,7	1500169

VLMF-SEN... Brightness/dimming sensor

Gear tray sensor module with B.E.G. multi-sensor PD4 or CDS (DALI dimming switch) including cover slats/blinds. Target value, follow-up time and so on can be configured on the sensor.

Model	recommended mounting height	Dimens. [mm]			Weight [kg]	Prod. code
		L	B	H		
VLMF-SEN 500-11 PD4-DA-TL	3–5 m	500	103	138	0,7	1500170
VLMF-SEN 500-11 PD4-DA-GH-TL	5–16 m	500	103	138	0,7	1500171
VLMF-SEN 500-7 CDS-DA	3–5 m	500	103	138	0,8	1500172

Accessories



Accessories for VLMF-SEN 500-7 ECO...

Model	Description	Prod. code
DALI-ECO-FB-PC-CONFIG	DALI ECO PC-KIT + remote control for configuration	0208828
DALI-ECO-FB-USER	DALI ECO Remote control	0208829
DALI-ECO-KOPPLER	DALI ECO Coupling for switch via DALI	0204846



Accessories for VLMF-SEN...PD...

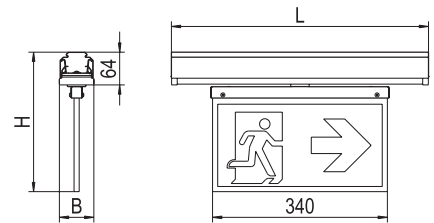
Smartphone infrared adaptor for configuration of target value, follow-up time, etc. from an app (Play Store B.E.G. LUXOMAT® Remote control or B.E.G. LUXOMAT® RC Classic)

Model	Description	Prod. code
IR-ADAPTER SMARTPHONE	For operating all IR remote-controlled BEG detectors	0209072



VLMF-HW

Module insert with escape route information sign



Design: Escape route sign module insert LED for mounting in VLTM trunking.

VLMF supplementary module ... made of extruded aluminium, powder coated white, silver (-SI) or black (-SW). Spring steel clips for mounting to the trunking. The VLMF modules ... can be positioned between the VGLF gear trays

Electrical adapter allows the point at which current is drawn from the trunking to vary. Colour and optical coding for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection).

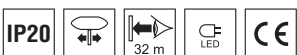
Electrical versions:

- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Note: The emergency lighting versions can be used in systems complying to VDE 0108

Additional designs:

- ED:** Gear tray with emergency lighting element and maintenance-free NiCd battery for maintained mode 3 hours, with self-test.
- Z:** Gear tray for central emergency power supply (230 V AC/DC) in non-maintained mode.
- Z-UR:** Gear tray with switchover relay for central emergency power supply (230 V AC/DC) in maintained mode.



acc. to DIN EN 60598/VDE 0711



Emergency lighting gear tray with escape route sign type B, recognition distance 32 m.
Rotational escape route sign for fixing at 0°, 45° and 90° as required.
Escape route sign illuminated by LED edge injection. Made from UV stabilised PMMA.

Model	Lamps	Dimens. [mm]			Weight [kg]	○	●	●
		L	B	H		Prod. code	Prod. code	Prod. code
VLMF-HW-B 500-7 ED	1xLED-M 3,6 W	500	67	271	1,8	1520196//377	1520196SI377	1520196SW377
VLMF-HW-B 500-7 Z	1xLED-M 3,6 W	500	67	271	1,7	1520196//329	1520196SI329	1520196SW329
VLMF-HW-B 500-7 Z-UR	1xLED-M 3,6 W	500	67	271	1,7	1520196//373	1520196SI373	1520196SW373
VLMF-HW-B 500-11 ED	1xLED-M 3,6 W	500	67	271	1,8	1520196//381	1520196SI381	1520196SW381
VLMF-HW-B 500-11 Z	1xLED-M 3,6 W	500	67	271	1,7	1520196//367	1520196SI367	1520196SW367
VLMF-HW-B 500-11 Z-UR	1xLED-M 3,6 W	500	67	271	1,7	1520196//366	1520196SI366	1520196SW366



Emergency lighting gear tray with escape route sign type C, recognition distance 32 m.
Rotational escape route sign for fixing at 0°, 45° and 90° as required.
Escape route sign illuminated by LED edge injection. Made from UV stabilised PMMA.

Model	Lamps	Dimens. [mm]			Weight [kg]	○	●	●
		L	B	H		Prod. code	Prod. code	Prod. code
VLMF-HW-C 500-7 ED	1xLED-M 3,6 W	500	67	271	1,8	1520197//377	1520197SI377	1520197SW377
VLMF-HW-C 500-7 Z	1xLED-M 3,6 W	500	67	271	1,7	1520197//329	1520197SI329	1520197SW329
VLMF-HW-C 500-7 Z-UR	1xLED-M 3,6 W	500	67	271	1,7	1520197//373	1520197SI373	1520197SW373
VLMF-HW-C 500-11 ED	1xLED-M 3,6 W	500	67	271	1,8	1520197//381	1520197SI381	1520197SW381
VLMF-HW-C 500-11 Z	1xLED-M 3,6 W	500	67	271	1,7	1520197//367	1520197SI367	1520197SW367
VLMF-HW-C 500-11 Z-UR	1xLED-M 3,6 W	500	67	271	1,7	1520197//366	1520197SI366	1520197SW366

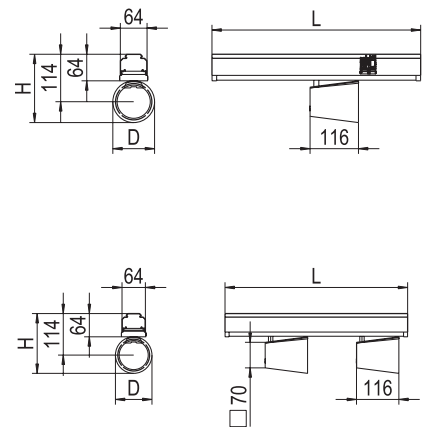
- Purple colour coding for mounting in VLTM-7.
- Green colour coding for mounting in VLTM-11. Sliding contact for selection of 2 separate emergency lighting circuits.



VLMF with spotlights

*Spotlight module inserts
with the spotlights CIRQUA / LUPO / KARO*





VLMF-CIRQUA

Spotlight module insert

Design: CIRQUA spotlight module insert for mounting in VLTM trunking in combination with VLGF... gear trays Supplementary module VLMF made of extruded aluminium, powder coated white or black (SW-). Spring steel clips for mounting to the VLTM carrier rail. The VLMF modules can be positioned at variable distances between the VLGF... gear trays. Electrical adapter allows the point at which current is drawn within the carrier rail to vary. Colour and optical coding for simple mounting. Mechanical coding to prevent incorrect installation (reversed polarity protection). Rotatable spotlights, mounted on the module and wired to electrical adapters. Spotlight LED in a modern design. Conical reflector housing dia. 100 mm in die-cast aluminium with internal cooling fins for maintenance-free passive cooling. Reflector housing linked to the module by a swivel-and-tilt fixture. Surface powder-coated in white (similar to RAL 9016) or black (SW; similar to RAL 9005). Specular reflector made of pure aluminium. Clear protective glass normally pre-fitted. Reflector housing closing ring made of plastic, black. Reflector housing can be rotated by 360° with a 90° swivel action. Pre-fitted COB LED module. Protection rating IP20, protection class I.

Electrical versions:

- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Mounting: Mounting on VLTM ... trunking by means of quick-release catches.

The VLMF-CIRQUA spotlight modules with one spotlight head are also available as a DALI model.

Specular reflector in pure aluminium.

Beam angle

- S** 16° spot reflector
- M** 24° medium reflector
- F** 36° flood reflector
- SF** 55° super-flood reflector

Colour temperatures:

3000 Kelvin (830)
4000 Kelvin (840)
Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



acc. to DIN EN 60598/VDE 0711

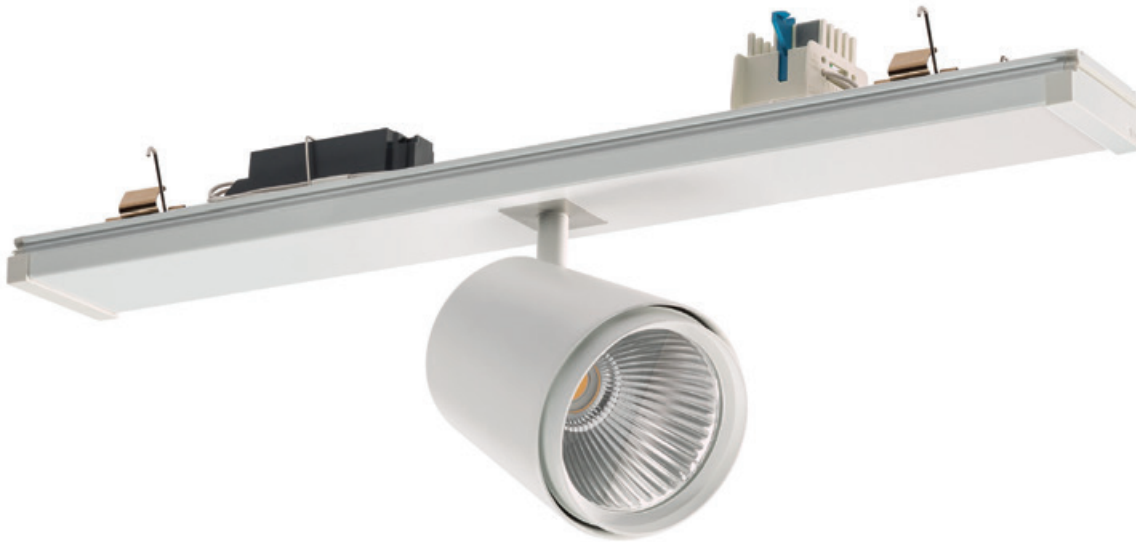


Light colour 830 *Colour rendering in index Ra \geq 80, Colour temperature 3000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	○	●
					L	B	H		el. conv. Prod. code	el. conv. Prod. code
Spot 16°										
VLMF-CIRQUA-L 1X3600-830 S	1xLED-M 31 W	3621	34	106	500	100	164	1,1	0321966//691	0321966SW691
VLMF-CIRQUA-L 2X3000-830 S	2xLED-M 23 W	6098	52	117	500	100	164	1,6	0321970//691	0321970SW691
Medium 24°										
VLMF-CIRQUA-L 1X3600-830 M	1xLED-M 31 W	3562	34	104	500	100	164	1,1	0321967//691	0321967SW691
VLMF-CIRQUA-L 2X3000-830 M	2xLED-M 23 W	6024	52	115	500	100	164	1,6	0321971//691	0321971SW691
Flood 36°										
VLMF-CIRQUA-L 1X3600-830 F	1xLED-M 31 W	3463	34	101	500	100	164	1,1	0321968//691	0321968SW691
VLMF-CIRQUA-L 2X3000-830 F	2xLED-M 23 W	5862	52	112	500	100	164	1,6	0321972//691	0321972SW691
Super-Flood 55°										
VLMF-CIRQUA-L 1X3600-830 SF	1xLED-M 31 W	3650	34	107	500	100	164	1,1	0321969//691	0321969SW691
VLMF-CIRQUA-L 2X3000-830 SF	2xLED-M 23 W	6166	52	118	500	100	164	1,6	0321973//691	0321973SW691

Light colour 840 *Colour rendering in index Ra \geq 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	○	●
					L	B	H		el. conv. Prod. code	el. conv. Prod. code
Spot 16°										
VLMF-CIRQUA-L 1X3800-840 S	1xLED-M 31 W	3841	34	112	500	100	164	1,1	0321954//691	0321954SW691
VLMF-CIRQUA-L 2X3200-840 S	2xLED-M 23 W	6448	52	124	500	100	164	1,6	0321958//691	0321958SW691
Medium 24°										
VLMF-CIRQUA-L 1X3800-840 M	1xLED-M 31 W	3779	34	111	500	100	164	1,1	0321955//691	0321955SW691
VLMF-CIRQUA-L 2X3200-840 M	2xLED-M 23 W	6348	52	122	500	100	164	1,6	0321959//691	0321959SW691
Flood 36°										
VLMF-CIRQUA-L 1X3800-840 F	1xLED-M 31 W	3679	34	108	500	100	164	1,1	0321956//691	0321956SW691
VLMF-CIRQUA-L 2X3200-840 F	2xLED-M 23 W	6122	52	117	500	100	164	1,6	0321960//691	0321960SW691
Super-Flood 55°										
VLMF-CIRQUA-L 1X3800-840 SF	1xLED-M 31 W	3890	34	114	500	100	164	1,1	0321957//691	0321957SW691
VLMF-CIRQUA-L 2X3200-840 SF	2xLED-M 23 W	6540	52	125	500	100	164	1,6	0321961//691	0321961SW691



VLMF-LUPO

Spotlight module insert

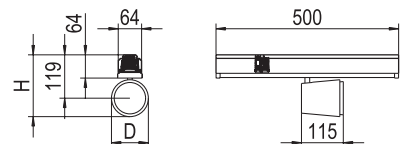
Design: Spotlight module insert LUPO for mounting in trunking VLTM in combination with gear trays VLGF... Supplementary module VLMF in extruded aluminium, powder coated white, silver (-SI) or black (-SW). Spring steel clips for mounting on trunking. VLMF modules can be positioned variably between the gear trays VLGF... Electrical adapters for flexible take-off of the through-wiring in the trunking. Colour and optical coding for simple mounting. Mechanical coding prevents inadvertent polarity reversal. Spotlights rotate around the module and are wired to electrical adapters. Conical reflector housing dia. 101 in die cast aluminium with internal cooling fins for maintenance-free passive cooling. Spotlight with swivel and tilt fixture for 350° swivel and 90° tilt action. Surface powder coated in white (similar to RAL 9016), silver (SI, similar to RAL 9006) or black (FSW; similar to RAL 9005). The reflector / accessories are mounted without the need for tools using a plug-in system with spring clamps between the reflector housing and closing ring in die-cast aluminium. Specular reflector made of pure aluminium. Clear protective glass normally prefitted. Prefitted COB LED modules.

Electrical versions:

- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Mounting: Mounting on VLTM ... trunking by means of quick-release catches.

The VLMF-LUPO spotlight modules are also available as a DALI model.



Specular reflector in pure aluminium.

Beam angle

- S** 15° spot reflector
- M** 25° medium reflector
- F** 35° flood reflector
- SF** 50° super-flood reflector

Colour temperatures:

3000 Kelvin (830)
4000 Kelvin (840)
Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



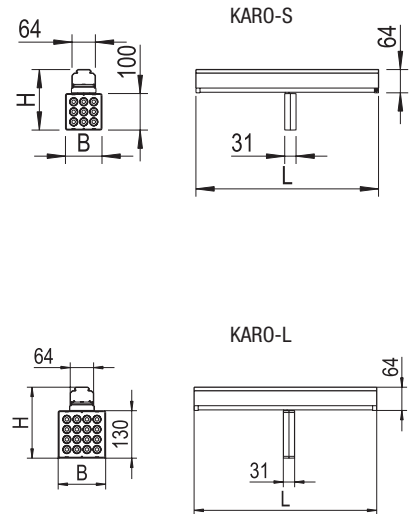
acc. to DIN EN 60598/VDE 0711

Light colour 830 *Colour rendering in index Ra \geq 80, Colour temperature 3000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
					L	B	H		el. conv. Prod. code	el. conv. Prod. code	el. conv. Prod. code
Spot 15°											
VLMF-LUPO 3800-830 S	1xLED-M 31 W	2890	36	80	500	101	170	1,3	0326572//691	0326572Si691	0326572SW691
Medium 25°											
VLMF-LUPO 3800-830 M	1xLED-M 31 W	2890	36	80	500	101	170	1,3	0326574//691	0326574Si691	0326574SW691
Flood 35°											
VLMF-LUPO 3800-830 F	1xLED-M 31 W	2920	36	81	500	101	170	1,3	0326562//691	0326562Si691	0326562SW691
Super-Flood 50°											
VLMF-LUPO 3800-830 SF	1xLED-M 31 W	2800	36	77	500	101	170	1,3	0326576//691	0326576Si691	0326576SW691

Light colour 840 *Colour rendering in index Ra \geq 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
					L	B	H		el. conv. Prod. code	el. conv. Prod. code	el. conv. Prod. code
Spot 15°											
VLMF-LUPO 3800-840 S	1xLED-M 31 W	3200	36	88	500	101	170	1,3	0326573//691	0326573Si691	0326573SW691
Medium 25°											
VLMF-LUPO 3800-840 M	1xLED-M 31 W	3200	36	88	500	101	170	1,3	0326575//691	0326575Si691	0326575SW691
Flood 35°											
VLMF-LUPO 3800-840 F	1xLED-M 31 W	3240	36	90	500	101	170	1,3	0326563//691	0326563Si691	0326563SW691
Super-Flood 50°											
VLMF-LUPO 3800-840 SF	1xLED-M 31 W	3130	36	86	500	101	170	1,3	0326577//691	0326577Si691	0326577SW691



VLMF-KARO

Spotlight module insert

Design: Spotlight module insert KARO for mounting in trunking VLTM in combination with gear trays VLGF... Supplementary module VLMF in extruded aluminium, powder coated white, silver (-SI) or black (-SW). Spring steel clips for mounting on trunking. VLMF modules can be positioned variably between the gear trays VLGF...

Electrical adapters for flexible take-off of the through-wiring in the trunking. Colour and optical coding for simple mounting. Mechanical coding prevents inadvertent polarity reversal. Spotlights rotate around the module and are wired to electrical adapters. Various lenses available for different applications.

Spotlight series in contemporary square design. Spot housing square with rounded corners. Spot head can be rotated by 360° and swivelled by 110°.

RIDI LED module with high-power LEDs and efficient TIR optics, passive cooling via the spot head. Spot head, converter housing and retaining arm in die-cast aluminium. Surfaces structured and powder coated in white (similar RAL 9016), silver (similar to RAL 9006) or black (similar to RAL 9005). Trim surrounding the individual LEDs powder coated in black.

Electrical versions:

- El. conv.: Electronic converter for LED, 230 Volt, 0/50-60 Hz, wired to electrical adapter with phase selection by means of sliding contact. Suitable for direct voltage operation and use in central battery systems.

Mounting: Mounting on VLTM ... trunking by means of quick-release catches.

The VLMF-KARO spotlight modules are also available as a DALI model.

Efficient TIR optics

Beam angle

- S** 11° spot reflector
- M** 28° medium reflector
- F** 46° flood reflector

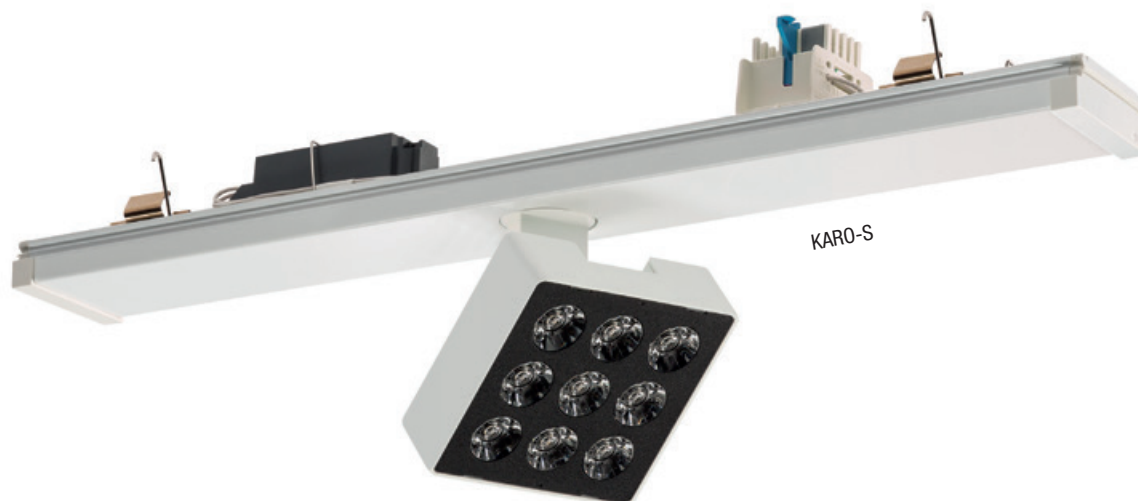
Colour temperatures:

3000 Kelvin (830)
4000 Kelvin (840)
Other colour temperatures possible on request.

Colour rendering in index Ra \geq 80



acc. to DIN EN 60598/VDE 0711



Light colour 830 *Colour rendering in index Ra \geq 80, Colour temperature 3000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	○	●	●
					L	B	H		el. conv. Prod. code	el. conv. Prod. code	el. conv. Prod. code
Spot 11°											
VLMF-KARO-S 2500-830 S	9xLED 2,7 W	2160	26	83	500	67	166	1,1	0321891//691	0321891SI691	0321891SW691
VLMF-KARO-L 3500-830 S	16xLED 2,1 W	3357	37	90	500	67	195	1,5	0321894//691	0321894SI691	0321894SW691
Medium 28°											
VLMF-KARO-S 2500-830 M	9xLED 2,7 W	2120	26	81	500	67	166	1,1	0321892//691	0321892SI691	0321892SW691
VLMF-KARO-L 3500-830 M	16xLED 2,1 W	3322	37	89	500	67	195	1,5	0321895//691	0321895SI691	0321895SW691
Flood 46°											
VLMF-KARO-S 2500-830 F	9xLED 2,7 W	1790	26	68	500	67	166	1,1	0321893//691	0321893SI691	0321893SW691
VLMF-KARO-L 3500-830 F	16xLED 2,1 W	2786	37	75	500	67	195	1,5	0321896//691	0321896SI691	0321896SW691

Light colour 840 *Colour rendering in index Ra \geq 80, Colour temperature 4000 Kelvin, EEC: A++, A+, A*

Model	Lamps	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Dimens. [mm]			Weight [kg]	○	●	●
					L	B	H		el. conv. Prod. code	el. conv. Prod. code	el. conv. Prod. code
Spot 11°											
VLMF-KARO-S 2500-840 S	9xLED 2,7 W	2160	26	83	500	67	166	1,1	0321884//691	0321884SI691	0321884SW691
VLMF-KARO-L 3500-840 S	16xLED 2,1 W	3357	37	90	500	67	195	1,5	0321887//691	0321887SI691	0321887SW691
Medium 28°											
VLMF-KARO-S 2500-840 M	9xLED 2,7 W	2120	26	81	500	67	166	1,1	0321885//691	0321885SI691	0321885SW691
VLMF-KARO-L 3500-840 M	16xLED 2,1 W	3322	37	89	500	67	195	1,5	0321888//691	0321888SI691	0321888SW691
Flood 46°											
VLMF-KARO-S 2500-840 F	9xLED 2,7 W	1790	26	68	500	67	166	1,1	0321886//691	0321886SI691	0321886SW691
VLMF-KARO-L 3500-840 F	16xLED 2,1 W	2786	37	75	500	67	195	1,5	0321889//691	0321889SI691	0321889SW691

CONTINUOUS LIGHTING SYSTEM PLANNING



The new configuration tool

RIDI LINIA continuous lighting system configurator

is available in Excel format for planning a continuous lighting system.

It boasts the following features:

- The gear tray/trunking can be easily selected via a drop-down menu.
- Multiple continuous lighting systems can be created.
- Specification texts can be created.

The user must sign up to the continuous lighting system newsletter to receive the latest information. This guarantees that the user always has the latest information to hand.

The RIDI LINIA continuous lighting system configurator can be downloaded from the following link:

www.ridi.de/de/service/lichtbandkonfigurator.html

(only available in German)

Components required for a continuous lighting system with n units, metric:

Length appr. [m]	Units	Trunking		Trunking end cap	Trunking connector*	Pendant	Gear tray Length 1.500 mm
		VLTM 3000	VLTM 4500				
3,00	2	1	-	2	-	2	2
4,50	3	-	1	2	-	3	3
6,00	4	2	-	2	1	3	4
7,50	5	1	1	2	1	4	5
9,00	6	-	2	2	1	4	6
10,50	7	2	1	2	2	5	7
12,00	8	1	2	2	2	5	8
13,50	9	-	3	2	2	6	9
15,00	10	2	2	2	3	6	10
16,50	11	1	3	2	3	7	11
18,00	12	-	4	2	3	7	12
19,50	13	2	3	2	4	8	13
21,00	14	1	4	2	4	8	14
22,50	15	-	5	2	4	9	15
24,00	16	2	4	2	5	9	16
25,50	17	1	5	2	5	10	17
27,00	18	-	6	2	5	10	18
28,50	19	2	5	2	6	11	19
30,00	20	1	6	2	6	11	20
31,50	21	-	7	2	6	12	21
33,00	22	2	6	2	7	12	22
34,50	23	1	7	2	7	13	23
36,00	24	-	8	2	7	13	24
37,50	25	2	7	2	8	14	25
39,00	26	1	8	2	8	14	26
40,50	27	-	9	2	8	15	27
42,00	28	2	8	2	9	15	28
43,50	29	1	9	2	9	16	29
45,00	30	-	10	2	9	17	30

* For IP 54 rated continuous lighting systems, VLTVD seals must be additionally ordered.

CONTINUOUS LIGHTING

Planning basis:

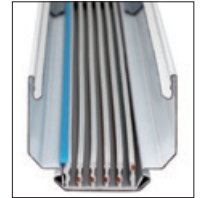
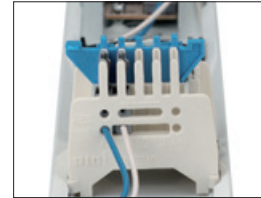
BLUE system = 5-core through wiring

5 x 2.5 mm² (16A)

Use:

For standard continuous lighting systems with 3-core load distribution L1, L2, L3.

Phase selection takes place at the adapter using sliding contacts.



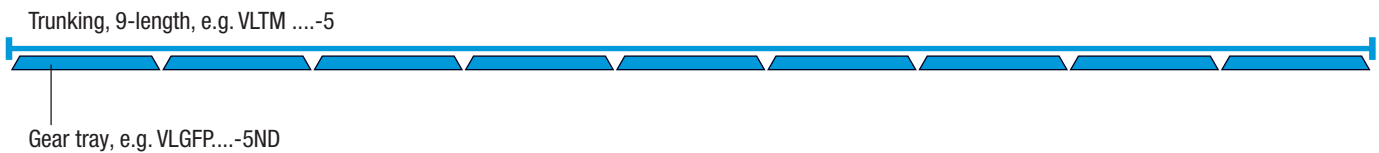
Phase selection at the adapter

Trunking

Example 1

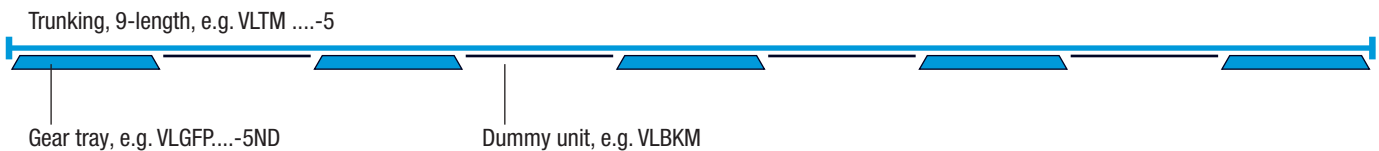
Continuous lighting system fully fitted with lamps.

In the simplest application, the gear trays must be selected in accordance with the continuous lighting system length.



Example 2

Continuous lighting system alternately fitted with gear trays and dummy units



Example 3

Continuous lighting system flexibly fitted with gear trays.

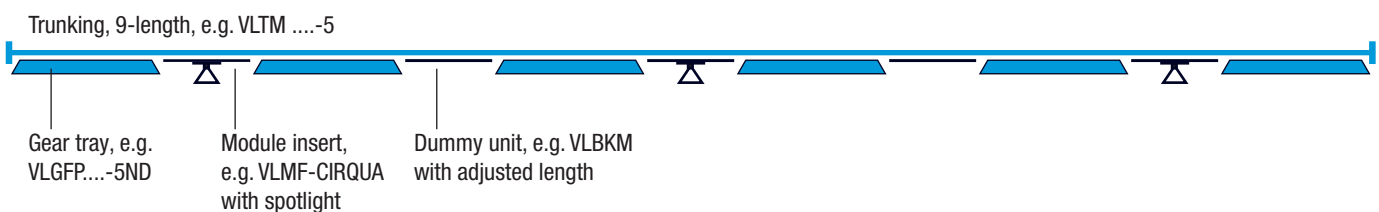
In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



Example 4

Continuous lighting system flexibly fitted with gear trays and module inserts.

In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



SYSTEM PLANNING

Planning basis:

PURPLE system = 7-core through wiring

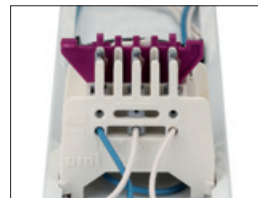
5 x 2,5 mm² (16A)

2 x 1,5 mm² (10A)

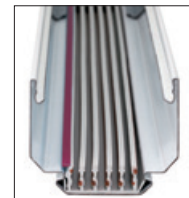
Use:

For continuous lighting systems with 3-core load distribution in dimmable version

or in conjunction with emergency lighting inserts.



Phase selection at the adapter

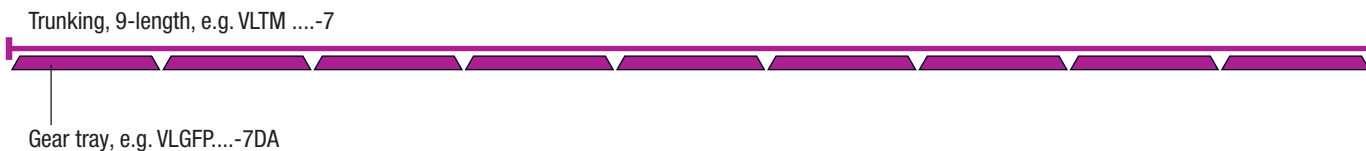


Trunking

Example 1

Continuous lighting system fully fitted with lamps in a dimmable version.

In the simplest application, the gear trays must be selected in accordance with the continuous lighting system length.



Example 2

Continuous lighting system fully fitted with lamps in a conjunction with emergency lighting inserts.

In the simplest application, the gear trays must be selected in accordance with the continuous lighting system length.



Example 3

Continuous lighting system flexibly fitted with gear trays in a dimmable version.

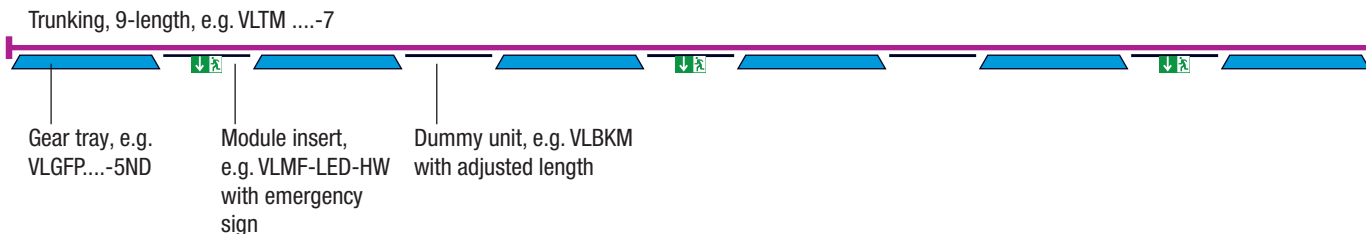
In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



Example 4

Continuous lighting system flexibly fitted with gear trays and emergency lighting module inserts.

In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



CONTINUOUS LIGHTING

Planning basis:

GREEN system = 11-core through wiring

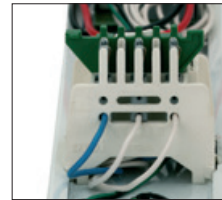
5 x 2,5 mm² (16A)

2 x 1,5 mm² (10A)

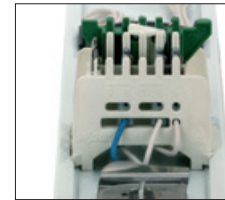
4 x 1,5 mm² (10A)

Use:

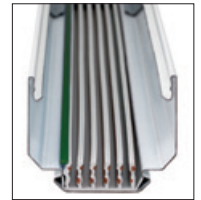
For continuous lighting systems with 3-core load distribution in dimmable version **and** additionally 2 independent emergency lighting circuits. Selection by means of sliding contacts.



Phase selection at the adapter



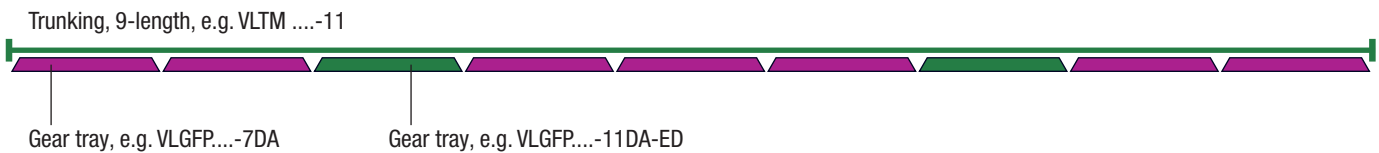
Selection of emergency lighting circuits



Trunking

Example 1

Continuous lighting system fully fitted with gear trays in a dimmable version and additionally one adjustable emergency lighting circuit.



Example 2

Continuous lighting system flexibly fitted with gear trays in a dimmable version and additionally two emergency lighting circuits.

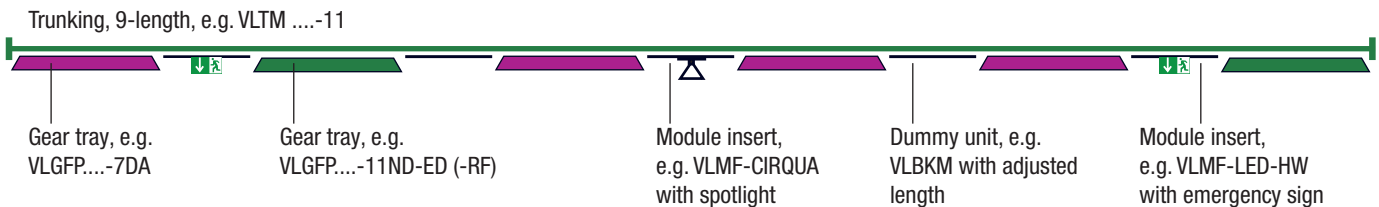
In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



Example 3

Continuous lighting system flexibly fitted with gear trays in a dimmable version, two emergency lighting circuits and module inserts.

In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



SYSTEM PLANNING

Planning basis:

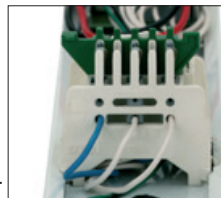
GREEN system = 11-core through wiring

5 x 2,5 mm² (16A)

6 x 2,5 mm² (10A)

Use:

For continuous lighting systems with **two** three-phase load distributors with dimmer **or** emergency light. Selection using sliding contacts or luminaire terminals.



Phase selection at the adapter (1st three-phase circuit)



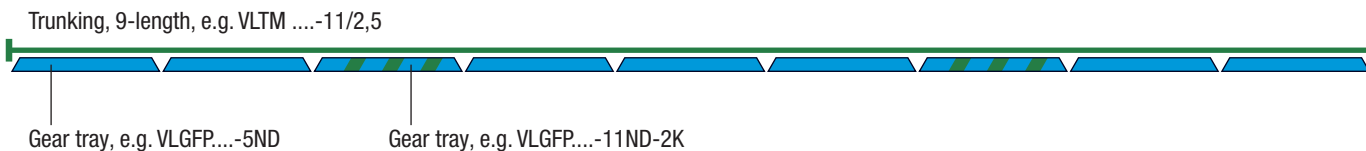
Phase selection using additional luminaire terminal (2nd three-phase circuit)



Trunking

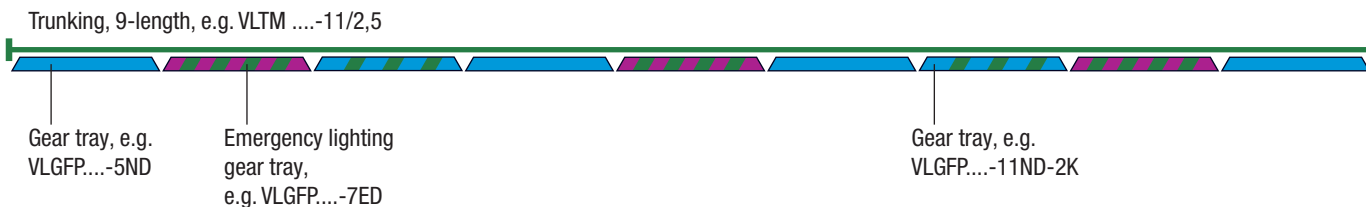
Example 1

Continuous lighting system fully fitted with gear trays with two three-phase circuits



Example 2

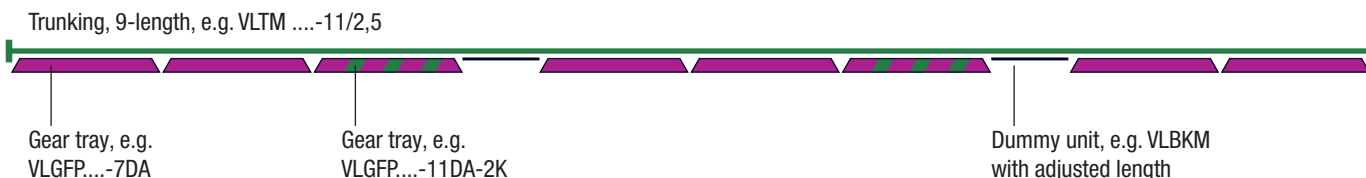
Continuous lighting system fully fitted with gear trays with two three-phase circuits and one emergency lighting circuit



Example 3

Continuous lighting system flexibly fitted with gear trays in a dimmable version with two three-phase circuits.

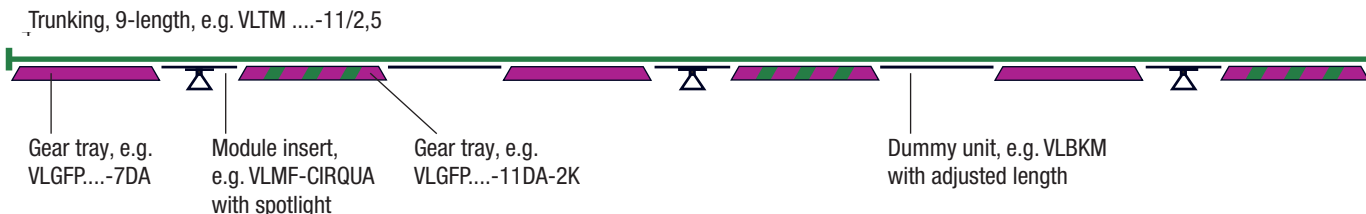
In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



Example 4

Continuous lighting system flexibly fitted with gear trays in a dimmable version with two three-phase circuits and module inserts.

In this application, the intermediate spaces have to be completely closed using the plastic dummy cover VLBKM which is cut to length on site.



CONTINUOUS LIGHTING SYSTEM WITH SENSOR MODULE INSERTS

PLANNING AID

- Step **1**
Select mounting height
- Step **2**
Select switching, DALI or extension sensor
- Step **3**
Select number and transfer to sensor list
- Step **4**
Select product code

Selection matrix					
Function selection		Mounting height			Minimum number of poles Continuous lighting system
		2-3 m	3-5 m	5-16 m	
		Nr.			
Switching sensor	Luminaire switched by internal relay	1	5	7	7
DALI sensor	Luminaire actuated over DALI	3	9	11	7
Extension sensor	for switching sensor	2	6	8	7
Extension sensor	for DALI sensor	4	10	12	11
Brightness sensor		15	13	14	7

Sensor list						
Number	Designation	Type				Prod. code
1	VLMF-SEN 500-11 PD9-M-1C-L2	Motion	Twilight	Switching		1500158
2	VLMF-SEN 500-7 PD9-S-R5	Motion	Extension			1500159
3	VLMF-SEN 500-11 PD9-M-DA	Motion	Brightness		Dimming	1500160
4	VLMF-SEN 500-11 PD9-S-R7	Motion	Extension			1500161
5	VLMF-SEN 500-11 PD4-M-1C-L2	Motion	Twilight	Switching		1500162
6	VLMF-SEN 500-7 PD4-S-R5	Motion	Extension			1500163
7	VLMF-SEN 500-11 PD4-M-1C-GH-L2	Motion	Twilight	Switching		1500164
8	VLMF-SEN 500-7 PD4-S-GH-R5	Motion	Extension			1500165
9	VLMF-SEN 500-11 PD4-M-DA	Motion	Brightness		Dimming	1500166
10	VLMF-SEN 500-11 PD4-S-R7	Motion	Extension			1500167
11	VLMF-SEN 500-11 PD4-M-DA-GH	Motion	Brightness		Dimming	1500168
12	VLMF-SEN 500-11 PD4-S-GH-R7	Motion	Extension			1500169
13	VLMF-SEN 500-11 PD4-DA-TL		Daylight		Dimming	1500170
14	VLMF-SEN 500-11 PD4-DA-GH-TL		Daylight		Dimming	1500171
15	VLMF-SEN 500-7 CDS-DA		Daylight		Dimming	1500172

Detection ranges						
Sensor type	VLMF-SEN...PD9...		VLMF-SEN...PD4...		VLMF-SEN...PD4...GH...	
	radial ¹	tangential ¹	radial ¹	tangential ¹	radial ¹	tangential ¹
Mounting height [m]	Circular detection diameter [m]				Oval detection [m]	
2	5	8	6,5	17	7x10	8x13
3	7	12	9,5	29	10x15	11,5x20
4	9,5	16	13,5	39	14x21	16x28
5	12	20	16	48	18x26	21x34
6	-	-	16	48	18x26	21x34
7	-	-	16	48	19x28	22x37
8	-	-	16	48	19x28	22x37
9	-	-	16	48	19x30	22x40
10	-	-	16	48	19x30	22x40
11	-	-	-	-	19x30	22x40
12	-	-	-	-	19x30	22x40
13	-	-	-	-	19x30	22x40
14	-	-	-	-	19x30	22x40

¹ See diagram of 'motion relative to the sensor'

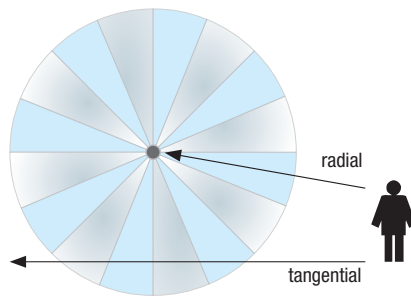
Determining the number of sensors

The number of sensors required depends on the detection range of the sensor relative to the total area to be covered.

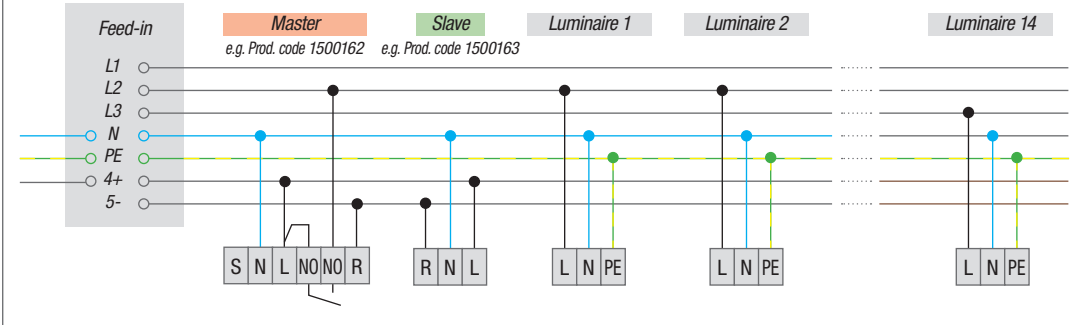
Another factor is whether motion relative to the sensor takes place radially or tangentially.

The presence of obstacles, furniture and so on which restrict the detection range also has to be taken into account.

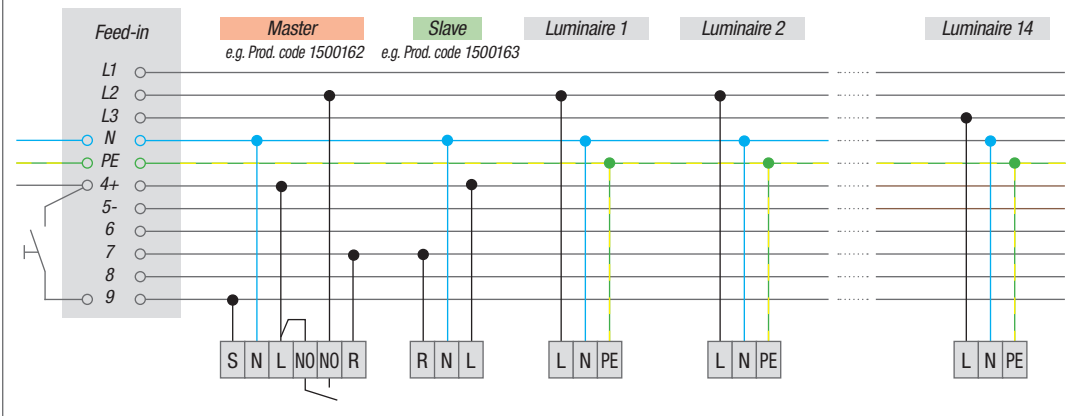
Motion relative to the sensor



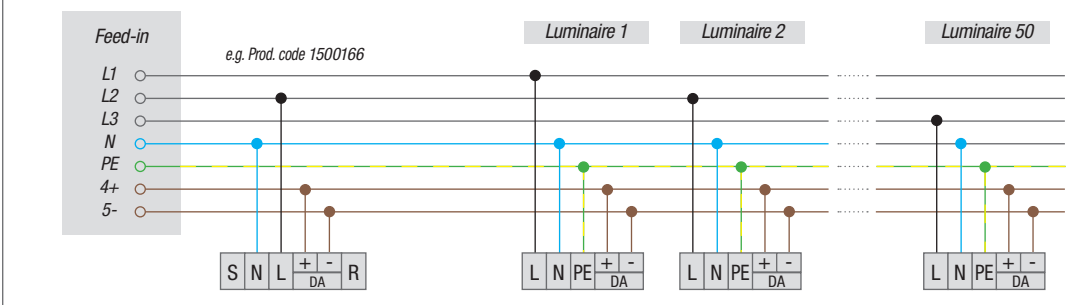
WIRING DIAGRAM - Switched using sensor contact, 7-core



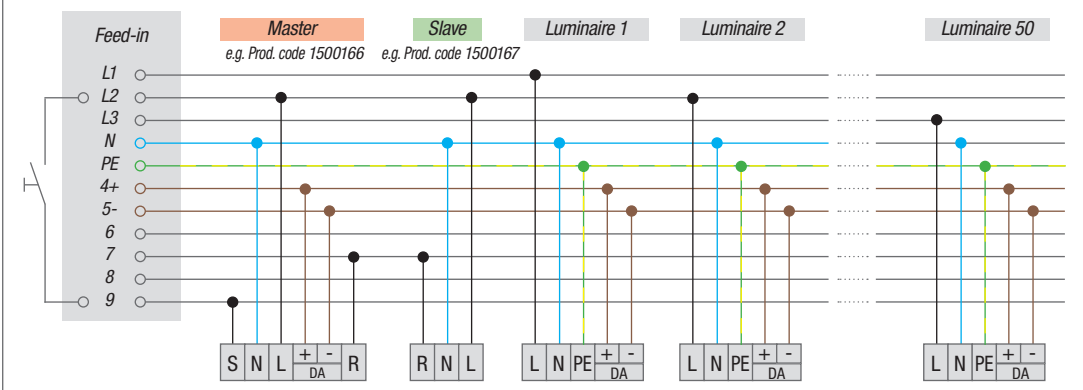
WIRING DIAGRAM - Switched using sensor contact, 11-core



WIRING DIAGRAM - Dimming via DALI, 7-core



WIRING DIAGRAM - Dimming via DALI, 11-core



**Austria**

RIDI Leuchten GmbH
 Industriepark Nord
 Rudolf-Hausner-Gasse 16
 1220 Wien
 T +43 1 7344210
 F +43 1 7344210-5
 office@ridi.at
 www.ridi-group.com

Belgium

Axioma NV
 Mannebeekstraat 31
 8790 Waregem
 T +32 56 622130
 F +32 56 622140
 info@axioma.be
 www.axioma.be

Switzerland

RIDI (Schweiz) AG
 Weberrütistraße 5
 8833 Samstagern
 T +41 43 8882-777
 F +41 43 8882-778
 info@ridi.ch
 www.ridi-group.com

Czech Republic

Lumidée s.r.o.
 Podolí 474,
 664 03 Podolí u Brna
 T +420 515 915022
 F +420 515 915029
 info@lumidee.cz
 www.lumidee.cz

Slovakia

Lumidée Slovakia s.r.o.
 Vičie hrdlo 1
 82107 Bratislava
 T +421 904 533375
 info@lumidee.sk
 www.lumidee.sk

Denmark

LUMINEX A/S
 Vrøndingvej 7
 8700 Horsens
 T +45 7626 6700
 F +45 7626 6701
 info@luminex.dk
 www.luminex.dk

France

RIDI France Sàrl
 ZI du Forlen
 Impasse des Imprimeurs
 67118 Geispolsheim
 CS 90305 – 67411 Illkirch Cedex
 T +33 388 770777
 F +33 388 773699
 info@ridi-france.com
 www.ridi-group.fr

United Kingdom

RIDI Lighting Ltd
 8/9 The Marshgate Centre
 Parkway, Harlow Business Park
 Harlow, Essex CM 19 5QP
 T +44 1279 450882
 F +44 1279 451169
 info@ridi.co.uk
 www.ridi-group.co.uk

Italy

RIDI ITALIA SRL
 Via Milano, 39
 20821 Meda (MB)
 T +39 0362 1739766
 info@ridi-italia.it

Luxembourg

SCHMIDT-LUX S.a.r.l.
 7, Fausermillen
 6689 Mertert
 T +352 2671 4341
 F +352 2671 4351
 info@schmidt-lux.lu
 www.schmidt-lux.lu

Norway

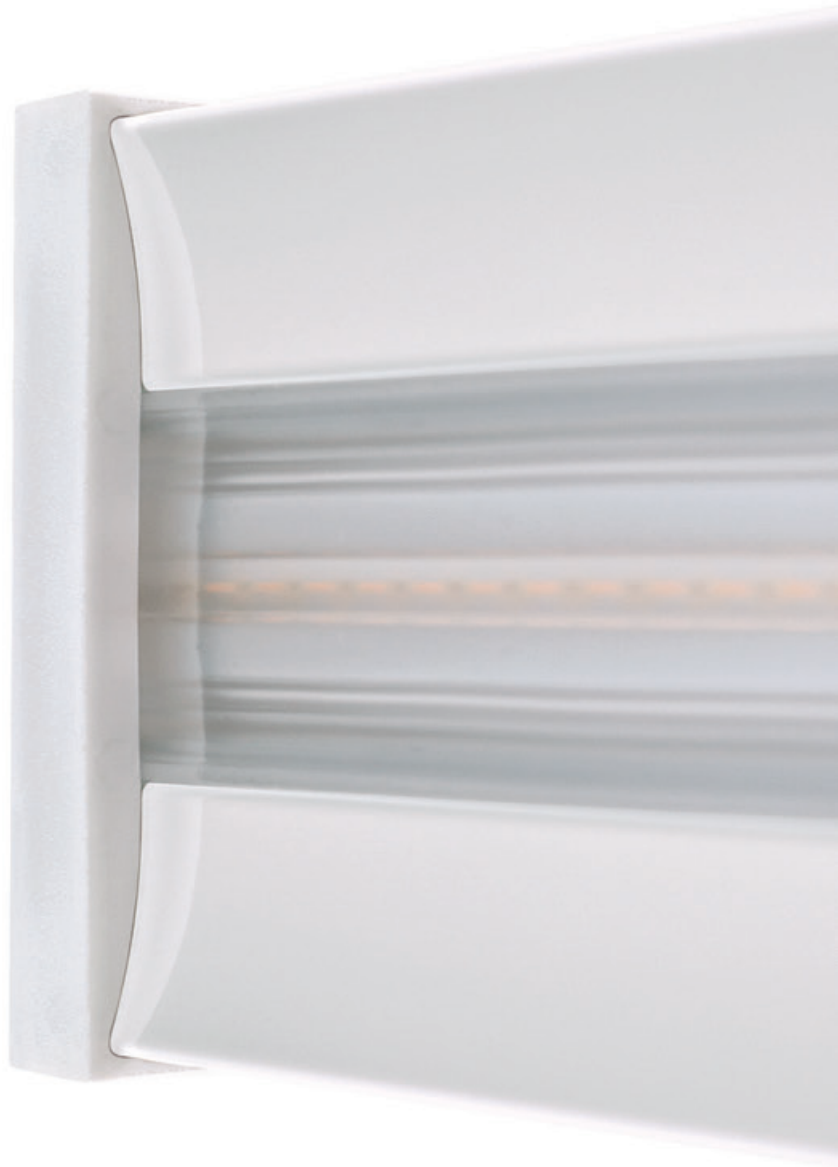
Frizen Belysning
 Box 4062
 Narviga 7
 4689 Kristiansand
 T +47 38 077100
 F +47 38 077101
 post@frizen.no
 www.frizen.no

Netherlands

Axioma
 Middenweg 14
 3401 MB IJsselstein
 T +31 30 3200899
 info.nl@axioma.be

Poland

RIDI POLSKA Sp. z o. o.
 Natolin 68A
 92-701 Łódź
 T +48 42 6719300
 F +48 42 6719399
 lodz@ridi.pl
 www.ridi-group.com



RIDI

RIDI Leuchten GmbH
Hauptstraße 31-33 · 72417 Jungingen
Tel. +49 7477 872-0 · Fax +49 7477 872-48
info@ridi.de · www.ridi.de · www.ridi-group.com