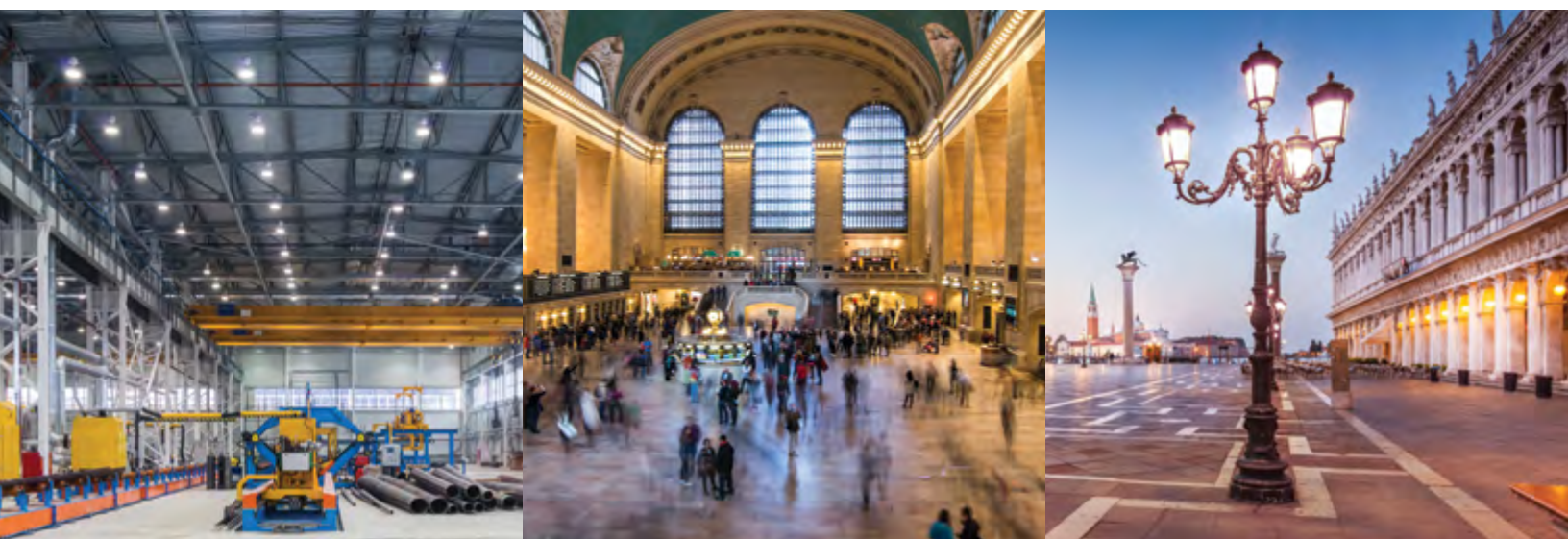


Good things come in small packages

Philips HID replacement lamps provide the perfect fit for every space

Introducing **Philips HID Replacement LED lamps** — Offering the light output and dependability of HID with all the benefits of LED: Energy savings, longer life, improved lumen and color maintenance, instant on and superior surge protection.



Powerful reasons to switch from HID to LED



Energy savings
up to 75%



Direct LED replacement solution without replacing the fixture



Reliable lifetime
up to 50.000 hours



Optically efficient,
emits light towards usage direction

Upgrade your HID lighting to LED and benefit from **instant savings and low initial costs**

- **Hassle-free installation** for safer and faster adoption – no need to replace existing fixture
- **Sustainability** – low energy consumption
- **Enhance comfort, safety and productivity**
- **Low heat dissipation** – provide a cooler environment and reduce air-conditioning cost

TrueForce MasterClass

HID replacement lamps

Brighter, lightweight, high performance lighting to suit your application specific needs

TrueForce LED range is perfectly suitable for industry and retail lighting as well as urban lighting solutions.



CorePro

HID replacement lamps

The affordable, versatile lighting you need for many applications backed by Philips quality standards

- High Lumen output options at a competitive price
- No visible flickering or stroboscopic effect
- Color consistency over long life
- Ballast Bypass lamps
- Passive cooling system



TrueForce Metal Halide/CDM

PAR replacement lamps

Brighter, high performance lighting with contemporary aesthetic design

- Color consistency over long life
- Highest lumen output in the market meeting ENERGY STAR® and UL/cUL requirements
- Unique single-optic lens design for accent lighting, reduces glare to improve experience
- Deep dimming down to <5% without flicker
- Ballast Bypass lamps



TrueForce MasterClass LED high-bay (UL TYPE B)

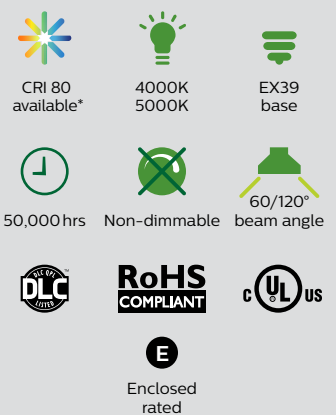
Lightweight model offering even more lumen output

Distribute light exactly where it is needed with this cost-effective retrofit alternative for traditional lamps operating in high-bay applications. Providing an easy to upgrade existing fixtures to LED and available in Type B options.

1 Design highlights



Key features



Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

1. Energy savings are based on the comparison of system power consumption = 458W vs system consumption based on TrueForce MasterClass High-bay 145W.
 2. Energy use based on burning 1,000 hours per year.
 3. Energy price based on the U.S. average of \$0.11/kWh.

TrueForce MasterClass LED high-bay (UL TYPE A)

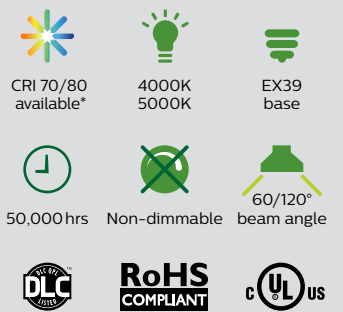
Deliver substantial energy savings

Distribute light exactly where it is needed and use your existing ballast with this cost-effective retrofit alternative for traditional lamps operating in high-bay applications. Providing an easy to upgrade existing fixtures to LED with these plug-and-play options.

2 Design highlights



Key features



Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

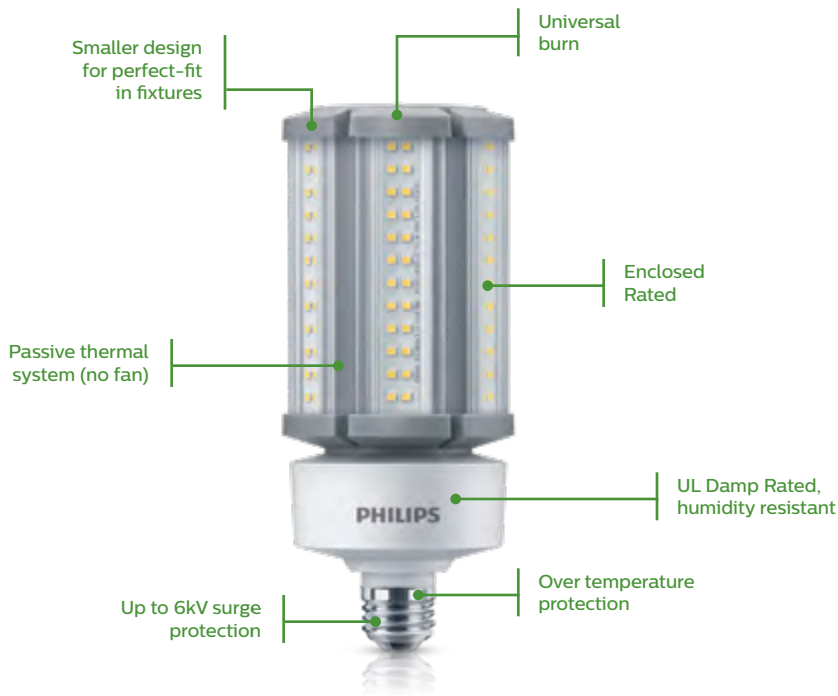
1. Energy savings are based on the comparison of system power consumption = 458W vs system consumption based on TrueForce MasterClass High-bay 200W.
 2. Energy use based on burning 1,000 hours per year.
 3. Energy price based on the U.S. average of \$0.11/kWh.

CorePro LED corn cobs

The right fixture fit at an affordable price

Replace conventional metal halide and high-pressure sodium lamps, making it hassle-free to retrofit and maximize efficiency. Designed to fit fixtures in most applications, these omni-directional ballast-bypass lamps offer an ideal and affordable way to upgrade existing HID fixtures to the latest LED technology.

3 Design highlights



Key features



CRI 80 available*



3000, 4000, & 5000K



E26 & E39 bases



50,000 hrs



Non-dimmable



Enclosed Rated



DLC QUALIFIED



RoHS COMPLIANT



UL US



SP US



Enclosed rated



68%¹
Energy savings

201W

HID lamp
175w
with ballast

63W

CorePro LED lamp
63w
MasterClass high-bay

\$6,072¹
Energy savings per year

Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

1. Energy savings are based on the comparison of system power consumption = 201W vs system consumption based on TrueForce MasterClass High-bay 63W.
2. Energy use based on burning 1,000 hours per year.
3. Energy price based on the U.S. average of \$0.11/kWh.

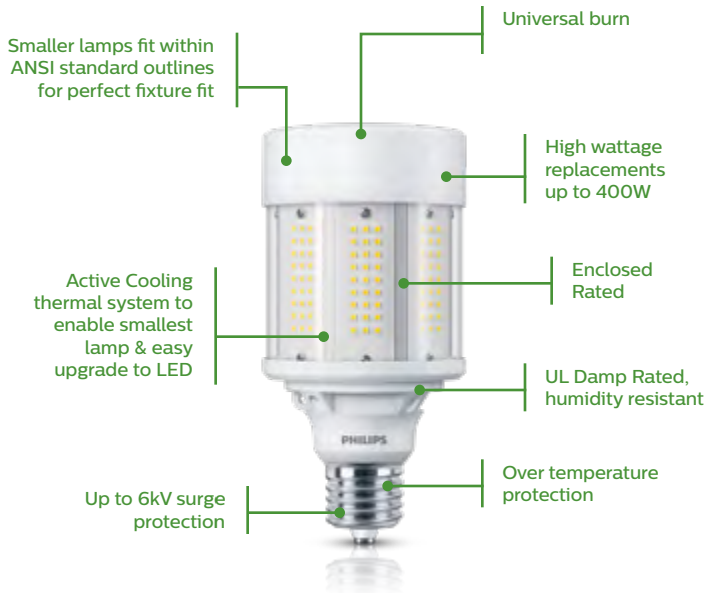
TrueForce MasterClass LED corn cobs

Uncompromising efficacy and color quality

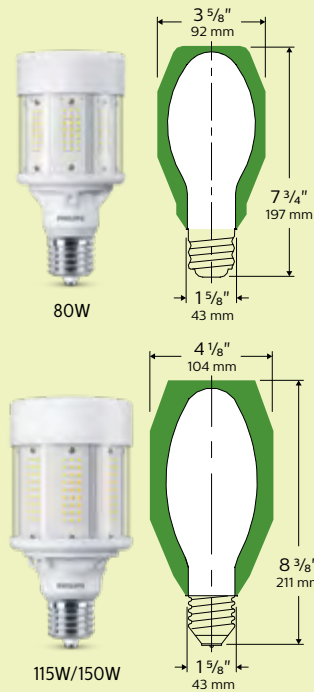
Maximize energy savings and flexibility of a high output Corn Cob lamp with the reassurance of a perfect fixture fit. Our tiny Active Cooling Corn Cob lamps offer up to 24,000 lumens and fit within ANSI standards, providing a seamless HID to LED upgrade.



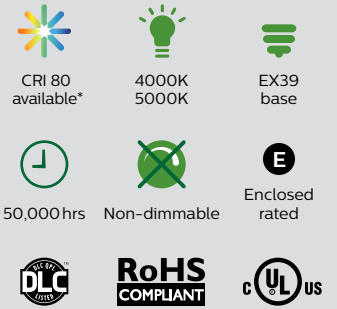
4 Design highlights



Fits within the width and height of conventional HID lamps



Key features



67%¹ Energy savings

458W HID lamp **400w** with ballast

150W TrueForce LED lamp **150w** MasterClass high-bay

\$13,552¹ Energy savings per year

Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

1. Energy savings are based on the comparison of system power consumption = 458W vs system consumption based on TrueForce MasterClass High-bay 150W.
 2. Energy use based on burning 1,000 hours per year.
 3. Energy price based on the U.S. average of \$0.11/kWh.

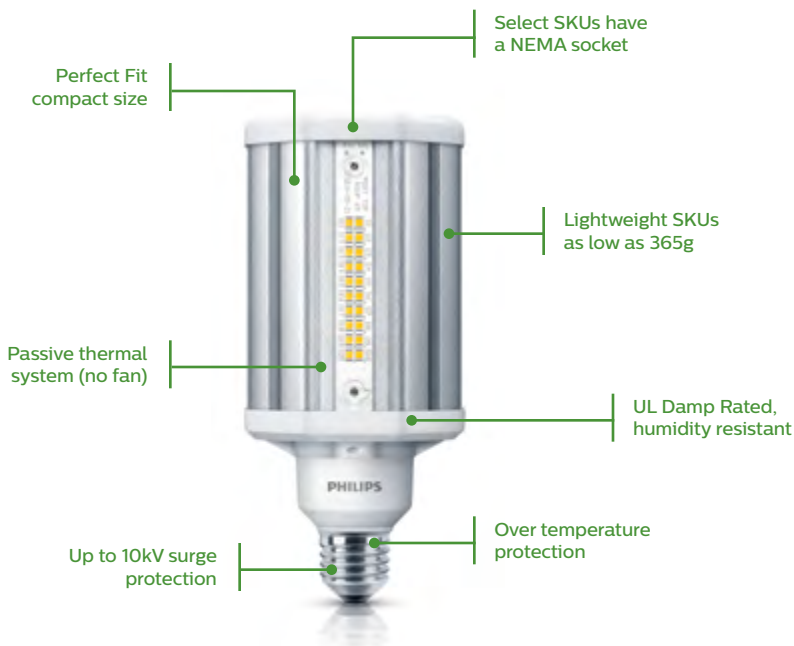
TrueForce MasterClass LED post top

Save energy and retain your unique charm

Make it easy to upgrade to long lasting, energy saving LED technology without sacrificing your site's unique outdoor character. Save yourself the hassle of replacing your entire fixture, and retrofit to upgrade your urban lighting.



5 Design highlights



Key features

- CRI 70 available*
- 2700, 3000 & 4000K
- E26 & EX39 bases
- 50,000 hrs
- Non-dimmable
- Enclosed Rated
- DLC
- RoHS COMPLIANT
- UL US
- SP US



Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

1. Energy savings are based on the comparison of system power consumption = 130W vs system consumption based on TrueForce MasterClass High-bay 35W.
 2. Energy use based on burning 1,000 hours per year.
 3. Energy price based on the U.S. average of \$0.11/kWh.

CorePro LED high-bay/low-bay lamps

Superior brightness at a fraction of the cost

Perfect for a variety of low bay applications such as garages, warehouses and work-sites. They have a wide beam ranging between 200° and 240° to light up larger surface areas.

6 Design highlights



Key features



CRI 80 available*



3000, 4000 & 5000K



E26 & EX39 bases



25,000 hrs



Non-dimmable



Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

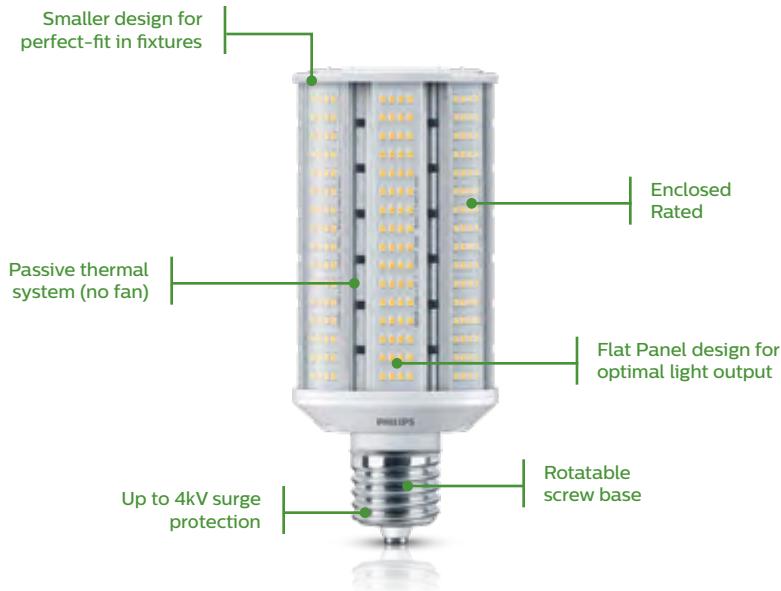
1. Energy savings are based on the comparison of system power consumption = 201W vs system consumption based on TrueForce MasterClass High-bay 75W.
2. Energy use based on burning 1,000 hours per year.
3. Energy price based on the U.S. average of \$0.11/kWh.

CorePro LED wall packs

Ideal and easy upgrade from wall packs to LED lamps with optimal light distribution

Replace metal halide and high-pressure sodium lamps, making it hassle-free to retrofit and maximize efficiency. Flat panel design with directional LED array delivers more dedicated light distribution & intensity versus general Corn Cob lamps.

7 Design highlights



Key features



CRI 80 available*



3000, 4000 & 5000K



E26 & EX39 bases



50,000 hrs



Non-dimmable



Enclosed Rated



Enclosed rated



Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

1. Energy savings are based on the comparison of system power consumption = 195W vs system consumption based on TrueForce MasterClass High-bay 40W.
 2. Energy use based on burning 1,000 hours per year.
 3. Energy price based on the U.S. average of \$0.11/kWh.



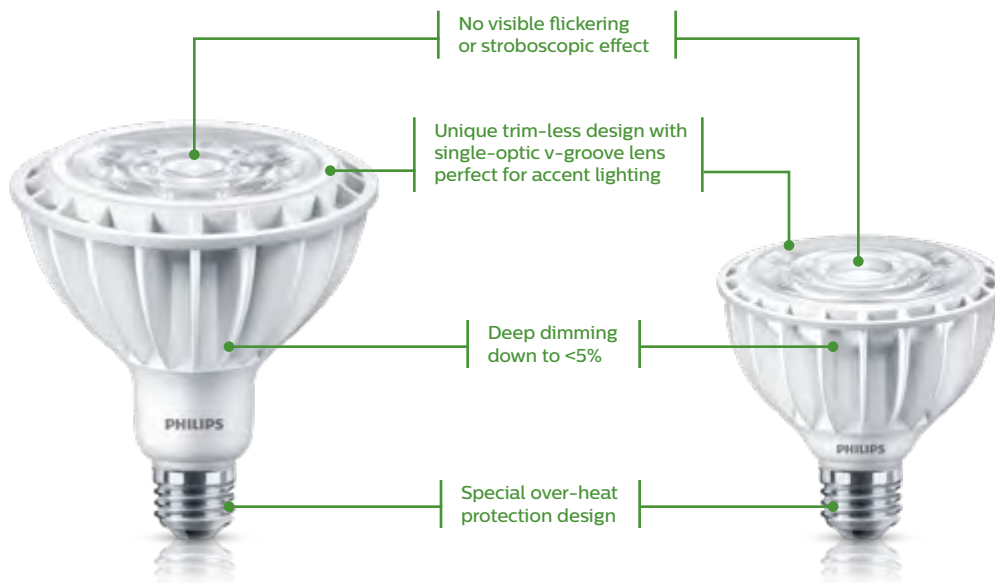
TrueForce LED PAR lamps

Brighter, high performance lighting with contemporary aesthetic design

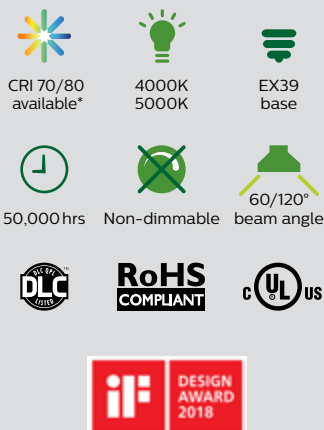
Philips LED TrueForce PAR high lumen lamps are the perfect transition from CDM lamps to LED. Unique trimless design with single-optic v-groove lens perfect for accent lighting.

8 Design highlights

9 Design highlights



Key features



31%¹
Energy savings

75W

PAR30S lamp
75w
with ballast

23W

TrueForce LED lamp
12w
MasterClass PAR30S

\$2,288¹
Energy savings per year

Calculate energy savings¹

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

Number of lamps	100
Burning hours per year	4,000 hrs ²
Energy costs	\$0.11/kWh ³

1. Energy savings are based on the comparison of system power consumption = 75W vs system consumption based on TrueForce MasterClass High-bay 12W.
2. Energy use based on burning 1,000 hours per year.
3. Energy price based on the U.S. average of \$0.11/kWh.

Ordering information

TrueForce MasterClass LED high-bay (Type B)



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	Beam angle	CRI (min)	CCT (K)	Lifetime ¹ (hrs)	
TrueForce MasterClass EX39 lamps										
D	557231	929002282604	145HB/LED/840/ND NB DL BB 4/1	145	250-400	20,000	Narrow	80	4000	50,000
D	557264	929002282804	145HB/LED/840/ND WB UDL BB 4/1	145	250-400	20,000	Wide	80	4000	50,000
D	557256	929002282904	145HB/LED/850/ND NB DL BB 4/1	145	250-400	20,000	Narrow	80	5000	50,000
D	557280	929002283104	145HB/LED/850/ND WB UDL BB 4/1	145	250-400	20,000	Wide	80	5000	50,000
D	557298	929002283204	165HB/LED/840/ND NB DL BB 4/1	165	400-600	25,000	Narrow	80	4000	50,000
D	557314	929002283404	165HB/LED/840/ND WB UDL BB 4/1	165	400-600	25,000	Wide	80	4000	50,000
D	557322	929002283504	165HB/LED/850/ND NB DL BB 4/1	165	400-600	25,000	Narrow	80	5000	50,000
D	557348	929002283704	165HB/LED/850/ND WB UDL BB 4/1	165	400-600	25,000	Wide	80	5000	50,000



EX39
145/165W

TrueForce MasterClass LED high-bay (Type A)



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	Beam angle	CRI (min)	CCT (K)	Lifetime ¹ (hrs)	
TrueForce MasterClass EX39 lamps										
	46560-9	929001264804	165HB/LED/740/ND NB DL 2/1	105	250	12,000	Narrow	70	4000	50,000
	46562-5	929001265004	165HB/LED/740/ND WB DL 2/1	105	250	12,000	Wide	70	4000	50,000
	46565-8	929001265304	165HB/LED/840/ND NB UDL 2/1	105	250	12,000	Narrow	80	4000	50,000
	46567-4	929001265504	165HB/LED/840/ND WB UDL 2/1	105	250	12,000	Wide	80	4000	50,000
	46560-9	929001264804	165HB/LED/740/ND NB DL 2/1	165	400	20,000	Narrow	70	4000	50,000
	46562-5	929001265004	165HB/LED/740/ND WB DL 2/1	165	400	20,000	Wide	70	4000	50,000
	46565-8	929001265304	165HB/LED/840/ND NB UDL 2/1	165	400	20,000	Narrow	80	4000	50,000
	46567-4	929001265504	165HB/LED/840/ND WB UDL 2/1	165	400	20,000	Wide	80	4000	50,000



EX39
105/165W

CorePro LED corn cobs



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)	
CorePro E26 lamps									
D E	559633	929002395204	18CC/LED/830/ND E26 G2 BB 6/1	18	50-70	2300	80	3000	50,000
D E	559641	929002395304	18CC/LED/840/ND E26 G2 BB 6/1	18	50-70	2400	80	4000	50,000
D E	559658	929002395404	18CC/LED/850/ND E26 G2 BB 6/1	18	50-70	2500	80	5000	50,000
D E	559666	929002395504	27CC/LED/830/ND E26 G2 BB 6/1	27	70-100	3500	80	3000	50,000
D E	559674	929002395604	27CC/LED/840/ND E26 G2 BB 6/1	27	70-100	3700	80	4000	50,000
D E	559682	929002395704	27CC/LED/850/ND E26 G2 BB 6/1	27	70-100	3800	80	5000	50,000
D E	559690	929002395804	36CC/LED/830/ND E26 G2 BB 6/1	36	100-150	5000	80	3000	50,000
D E	559708	929002395904	36CC/LED/840/ND E26 G2 BB 6/1	36	100-150	5200	80	4000	50,000
D E	559716	929002396004	36CC/LED/850/ND E26 G2 BB 6/1	36	100-150	5400	80	5000	50,000
CorePro EX39 lamps									
D E	559724	929002396104	36CC/LED/830/ND EX39 G2 BB 6/1	36	100-150	5000	80	3000	50,000
D E	559732	929002396204	36CC/LED/840/ND EX39 G2 BB 6/1	36	100-150	5200	80	4000	50,000
D E	559740	929002396304	36CC/LED/850/ND EX39 G2 BB 6/1	36	100-150	5400	80	5000	50,000
D E	559757	929002396404	45CC/LED/830/ND EX39 G2 BB 6/1	45	150-175	6200	80	3000	50,000
D E	559765	929002396504	45CC/LED/840/ND EX39 G2 BB 6/1	45	150-175	6500	80	4000	50,000
D E	559773	929002396604	45CC/LED/850/ND EX39 G2 BB 6/1	45	150-175	6700	80	5000	50,000
D E	559781	929002396704	54CC/LED/830/ND EX39 G2 BB 6/1	54	150-250	7500	80	3000	50,000
D E	559799	929002396804	54CC/LED/840/ND EX39 G2 BB 6/1	54	150-250	7800	80	4000	50,000
D E	559807	929002396904	54CC/LED/850/ND EX39 G2 BB 6/1	54	150-250	8000	80	5000	50,000
D E	559815	929002397004	63CC/LED/830/ND EX39 G2 BB 6/1	63	175-250	8600	80	3000	50,000
D E	559823	929002397104	63CC/LED/840/ND EX39 G2 BB 6/1	63	175-250	9000	80	4000	50,000
D E	559831	929002397204	63CC/LED/850/ND EX39 G2 BB 6/1	63	175-250	9200	80	5000	50,000



E26
18W

E26
27W

E26
36W



EX39
36W

EX39
45W

EX39
54/63W

1. Lamps rated 15,000 hours is in an enclosed fixture. Life rating is 25,000 in an unenclosed. Warranty is based off of 15,000 hour claim. Lamps rated at 25,000 hours is for an unenclosed fixture. Life rating is 15,000 hours for enclosed. Warranty is based off of 25,000 hour claim.

D = Damp location E = Suitable for enclosed fixtures

TrueForce MasterClass LED corn cobs



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)
MasterClass EX39 lamps								
559849	929002397304	80CC/LED/840/ND EX39 G2 BB 3/1	80	175-250	12000	80	4000	50,000
559856	929002397404	80CC/LED/850/ND EX39 G2 BB 3/1	80	175-250	12000	80	5000	50,000
559864	929002397504	115CC/LED/840/ND EX39 G2 BB 3/1	115	250-400	18000	80	4000	50,000
559872	929002397604	115CC/LED/850/ND EX39 G2 BB 3/1	115	250-400	18000	80	5000	50,000
559880	929002397704	150CC/LED/840/ND EX39 G2 BB 3/1	150	320-400	24000	80	4000	50,000
559898	929002397804	150CC/LED/850/ND EX39 G2 BB 3/1	150	320-400	24000	80	5000	50,000



TrueForce MasterClass LED post top



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)
TrueForce MasterClass E39 lamps								
47359-5	9290013964	26ED23.5/LED/727/ND 120-277V G2 4/1	26	70	2800	70	2700	50,000
47357-9	9290013962	26ED23.5/LED/730/ND 120-277V G2 4/1	26	70	3000	70	3000	50,000
47358-7	9290013963	26ED23.5/LED/740/ND 120-277V G2 4/1	26	70	3000	70	4000	50,000
47362-9	9290013967	35ED23.5/LED/727/ND 120-277V G2 4/1	35	100	5000	70	2700	50,000
47360-3	9290013965	35ED23.5/LED/730/ND 120-277V G2 4/1	35	100	5000	70	3000	50,000
47361-1	9290013966	35ED23.5/LED/740/ND 120-277V G2 4/1	35	100	5000	70	4000	50,000
47355-3	9290013960	38ED28/LED/727/ND 120-277V G2 CT 4/1	38	100	5000	70	2700	50,000
47604-4	9290018184	38ED28/LED/730/ND 120-277V G2 CT 4/1	38	100	5000	70	3000	50,000
47605-1	9290018185	38ED28/LED/740/ND 120-277V G2 CT 4/1	38	100	5000	70	4000	50,000
47365-2	9290013970	55ED28/LED/727/ND 120-277V G2 4/1	55	150	8000	70	2700	50,000
47363-7	9290013968	55ED28/LED/730/ND 120-277V G2 4/1	55	150	8000	70	3000	50,000
47364-5	9290013969	55ED28/LED/740/ND 120-277V G2 4/1	55	150	8000	70	4000	50,000



CorePro LED high-bay/low-bay



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)
CorePro E26 lamps (120V)								
541912	929001989604	25HB/LED/830/ND FB 6/1	25	40	2650	80	2700	25,000
541920	929001989704	38HB/LED/830/ND FB 6/1	38	55	3500	80	3000	25,000
541938	929001989804	45HB/LED/830/ND FB 6/1	45	70	4500	80	4000	25,000
541950	929001990004	25HB/LED/850/ND FB 6/1	25	40	2800	80	2700	25,000
541960	929001990104	38HB/LED/850/ND FB 6/1	38	55	3800	80	3000	25,000
541978	929001990204	45HB/LED/850/ND FB 6/1	45	70	4800	80	4000	25,000
543066	929001999104	25HB/LED/840/ND FB 6/1	25	40	2800	80	2700	25,000
543074	929001999204	38HB/LED/840/ND FB 6/1	38	55	3800	80	3000	25,000
543082	929001999304	45HB/LED/840/ND FB 6/1	45	70	4800	80	4000	25,000
CorePro EX39 lamps (120-277V)								
542290	929001990304	65HB/LED/850/ND FB 4/1	65	125	7000	80	2700	25,000
542316	929001990504	75HB/LED/850/ND FB 4/1	75	150	8500	80	3000	25,000
542308	929001993004	65HB/LED/840/ND FB 4/1	65	125	7000	80	4000	25,000
542324	929001993104	75HB/LED/840/ND FB 4/1	75	150	8500	80	4000	25,000



CorePro LED wall packs



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)
Wall Pack E26 lamps (100-277V)								
559906	929002397904	20WP/LED/830/ND E26 G2 BB 6/1	20	70-100	2800	80	2800	50,000
559914	929002398004	20WP/LED/840/ND E26 G2 BB 6/1	20	70-100	2900	80	2900	50,000
559922	929002398104	20WP/LED/850/ND E26 G2 BB 6/1	20	70-100	3000	80	3000	50,000
Wall Pack EX39 lamps (100-277V)								
559930	929002398204	40WP/LED/840/ND EX39 G2 BB 6/1	40	100-175	5800	80	5800	50,000
559948	929002398304	40WP/LED/850/ND EX39 G2 BB 6/1	40	100-175	6000	80	6000	50,000
559962	929002398404	60WP/LED/840/ND EX39 G2 BB 6/1	60	175-250	8700	80	8700	50,000
559954	929002398504	60WP/LED/850/ND EX39 G2 BB 6/1	60	175-250	9000	80	9000	50,000



HID Replacement Guide

Good things come in small packages...

Get the Perfect-Fit with our new line of smaller, lighter HID replacement lamps – because size matters!

High ceiling indoor, Warehouse, Gymnasiums, Schools, Retail

Street lighting, Pedestrian walkways

Street lighting

Outdoor Parking lots, Public spaces

Applications											
70W HID & below	Highbay/ Lowbay		Post top		Urban Gen 2	Tear drop		Shoe box / Area lighting		Wall Packs	
	Corn Cob Gen 2		Corn Cob Gen 2		Corn Cob Gen 2	Corn Cob Gen 2		Corn Cob Gen 2		Wall Packs	
70W HID & below	18W	27W	18W	27W	26W	18W	27W	18W	27W		
100W HID	27W	36W	27W	36W	35W	27W	36W	27W	36W	20W	
150W HID	36W	45W/54W	36W	45W/54W	35W/55W	36W	45W/54W	36W	45W/54W	20W 40W	
175W HID	45W	54W/63W	45W	54W/63W	55W	45W	54W/63W	45W	54W/63W	40W 60W	
250W HID	High bay Gen 2		Corn Cob Gen 2			Corn Cob Gen 2			Corn Cob Gen 2		
	145W		80W	115W	63W	80W	115W	63W	80W	115W	
400W HID	145W/165W		115W	150W		115W	115W		115W	150W	

Street and Roadway lighting

Outdoor walls of commercial structures

Indoor warehouse and parking garages

Outdoor commercial structure Visual & Security



Applications



Cobra head		Wall pack		Canopy / Ceiling mount		Flood lighting / Landscape		
Corn Cob Gen 2	Wall Packs	Corn Cob Gen 2	Wall Packs	Corn Cob Gen 2	Wall Packs	Corn Cob Gen 2	Wall Packs	
 18W	 27W	 18W	 27W	 18W	 27W	 18W	 27W	70W HID & below
 27W	 36W	 27W	 36W	 27W	 36W	 27W	 36W	100W HID
 20W	 40W	 20W	 40W	 20W	 40W	 20W	 40W	150W HID
 45W	 54W/63W	 45W	 54W/63W	 45W	 54W/63W	 45W	 54W/63W	175W HID
 80W	 115W	 80W	 115W	 80W	 115W	 80W	 115W	250W HID
 115W	 150W	 115W	 150W	 115W	 150W	 115W	 150W	400W HID



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