



StreetView

Exceptional optical performance and ingenious thermal design
at an unbeatable value



PHILIPS
LUMEC



When superior performance and low price come together to fulfill a client's need

The Philips StreetView LED luminaire is designed for many applications. It will efficiently illuminate major roads, collector roads, city streets, intersections, adjoining roadways, bridges and overpasses, and it is also a great choice for local roads and residential streets. The efficient design and optics make the StreetView perfect for small and medium road lighting needs because it will ensure maximum reliability and security at night for both drivers and citizens. And to top the charm factor StreetView is as easy to install as it is to maintain. Powered by a Philips LED platform inspired by the famous LEDgine platform and featuring innovative thermal management design, this new LED luminaire has two major assets: exceptional performance and unbeatable value.

Low Price

StreetView is a practical, straightforward and inexpensive lighting solution.

This totally affordable LED outdoor lighting product is the perfect choice to replace HID Cobra Heads. It is the first LED roadway Cobra Head luminaire that can be sold close to HID prices because it is a standardized product available with the specific features and accessories you need. The innovative thermal management design allowed us to create a more compact yet very efficient product.

Important R&D efforts went into developing this innovative design in order to create a cost effective solution for thermal management that is robust and reliable. StreetView is a compact and low weight lighting product that is easy to handle and makes for lower shipping and warehouse costs.

Superior Optical Performance

Fitted with the latest Philips LED technology, StreetView needs no protective glass lens which means even better photometric performance.

The LED light modules are IP66 sealed so no additional luminaire lens is required. Therefore, you get more target lumens for perfect lighting uniformity and intensity with improved efficacy versus a luminaire with a protective glass lens. Getting more lumen output on the ground allows you to get optimized spacing compared to a luminaire with a protective glass lens. No glass lens also reduces the cost and weight of the luminaire.

Features

Benefits

Specific features, standardized product.	<p>→ Easier stock ordering</p> <p>→ Short lead time for standard luminaire / Ready to ship</p> <p>→ Low price</p>
Light-weight luminaire Low Effective Projected Area (EPA)	<p>→ Easy installation</p> <p>→ Outstanding durability and robust luminaire</p> <p>→ Reduces pole and bracket investment</p> <p>→ Less material consumption leading to more environmentally friendly product</p>
Tool-free access to electrical compartment	<p>→ Easy maintenance</p> <p>→ Quick installation saves time and money</p>
Perfect for retrofitting	<p>→ Replaces traditional HID technology (Cobra Heads) up to 250W</p> <p>→ Replaces dusk to dawn luminaires</p>
2 bolt connection mounting, single clamp	<p>→ Accommodates different arm diameters</p> <p>→ Easy installation</p>
Tilt +/- 5° by steps of 2.5°	<p>→ Integral adjustable leveling features</p>
High-performance white LEDs	<p>→ The latest LED technology provides a higher light output and improved efficacy, compared to standard high-powered LEDs</p> <p>→ Ensures maximum reliability and safety for drivers and citizens</p>
Dedicated LED optics / types 2, 3 and 5	<p>→ Provides high-quality, uniform light distribution</p> <p>→ Better light trespass control</p>
IP66-rated Sealed Light Engine (SLE)	<p>→ Protects the LEDs from degradation caused by environmental pollutants such as rain, ice, snow, dust, sand, etc.</p> <p>→ No additional luminaire glass lens required</p>
Innovative thermal management	<p>→ System lifespan of components and driver up to 100,000 hours</p> <p>→ Suitable for operation in an ambient temperature range of -40°C / -40°F up to +40°C / +104°F (runs cool in many climates)</p>
Energy efficient luminaire	<p>→ High lumen per watt (LPW) ratio generates considerable energy savings with excellent lumen maintenance (Projected to reach 100,000+ hours with > L₇₀ lumen maintenance at 25°C)</p>
Standard model comes with dimmable driver 0-10V (DMG)	<p>→ Future proof possibilities for lighting adaptability and cost savings</p> <p>→ Easy to add control features</p>
Made of sustainable materials	<p>→ Projects a green image that pleases citizens and investors</p> <p>→ 90% recyclable without driver</p>

StreetView is qualified by:



Superior Technology, Superior Performance

LED Modules

LUXEON LEDs

StreetView uses the latest Philips LED technology to meet the strictest outdoor lighting standards. LUXEON LEDs deliver freedom from binning to ensure superior uniformity from solution to solution. With a high color rendering index (CRI) and exceptional lumen output, LUXEON LEDs meet the most stringent standards required by municipalities and utilities today.



LED IP66-rated modules

This supreme LED module is inspired by the unparalleled Philips LEDgene platform and its predecessors. It is built entirely with the most reliable Philips components. These LED IP66-rated modules protect the LEDs from degradation caused by environmental pollutants such as rain, ice, snow, dust, sand, etc. IP66 seal with quick-connect wiring and no glass lens on the luminaire means LED modules are easy to remove and replace in the field.



Optical Performance

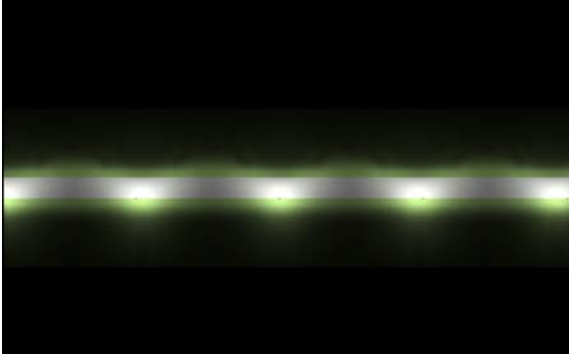
Fitted with the latest Philips LED technology, StreetView needs no protective glass lens which means even better photometric performance. Dedicated LED optics (types 2, 3 and 5) provide high-quality uniform light distribution with high efficacy (LPW). Excellent light control puts more lumens on the roadway and results in no uplight (U0 per IESNA TM-15, Dark Sky compliant).

Pole Spacing

StreetView offers pole spacing up to 8 x mounting height because of the advanced optical system. Therefore, fewer luminaires are required to meet lighting requirement which provides important financial and energy savings.

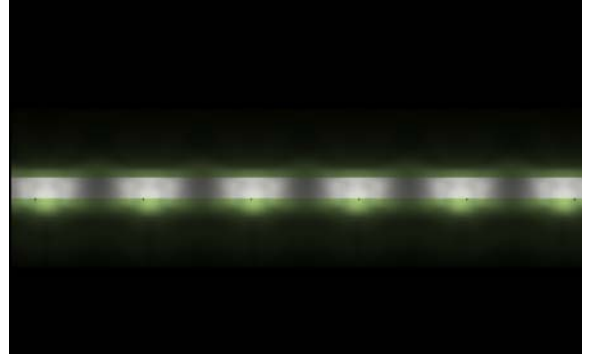
StreetView

8 x mounting height



Competitor

6 x mounting height

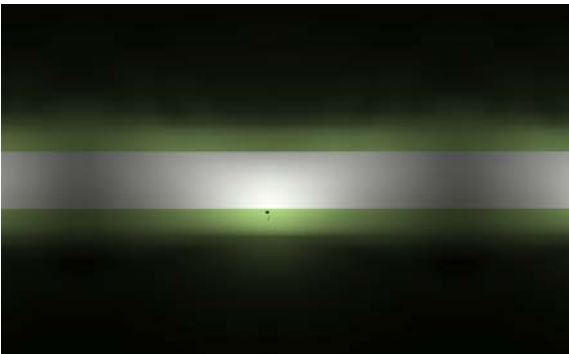


House Side Shield Efficacy

The specially designed House Side Shield of the StreetView allows for better backlight control with less light loss compared to other products available on the market, and its tool-free field installation means less hassle.

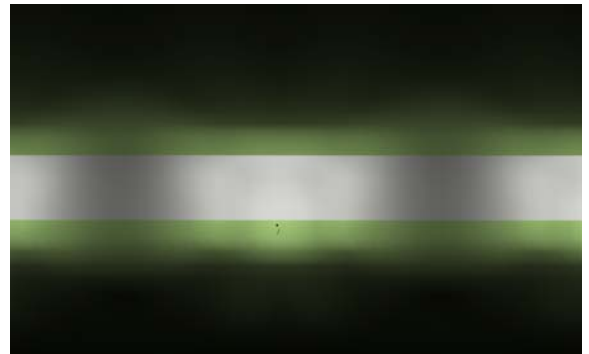
StreetView

with house side shield



Competitor

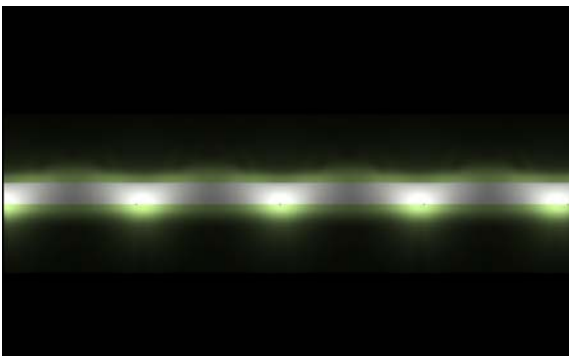
with house side shield



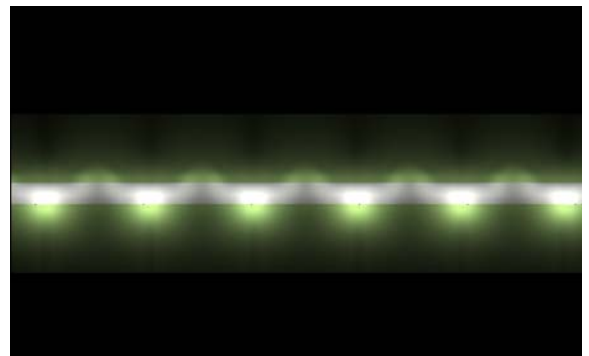
Uniformity

Whether it is a new installation or a retrofit on an existing installation, as seen below, StreetView offers better uniformity which means improved lighting and security for drivers and citizens. In the example below of StreetView versus a typical HID Cobra Head installation, you can easily see the improved uniformity in lighting that StreetView provides.

StreetView

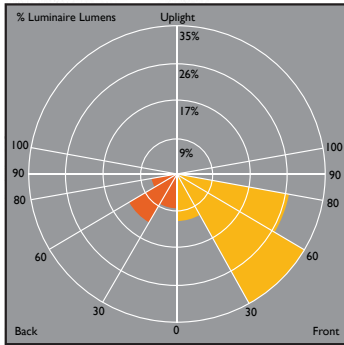


Competitor (HID)



Bug Rating

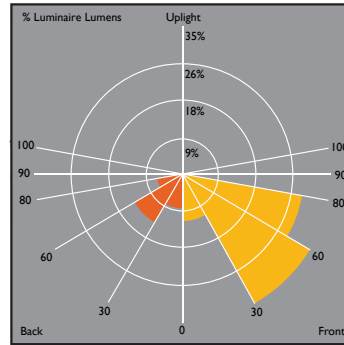
IES Type II



Typical LCS (IES TM-15-11):
 FL=11.6%, FM=35.1%, FH=26.4%,
 FVH=0.9%,
 BL=7.9%, BM=12.3%, BH=5.4%,
 BVH=0.3%, UL=0.0%, UH=0.0%

Consult IES files for BUG Ratings

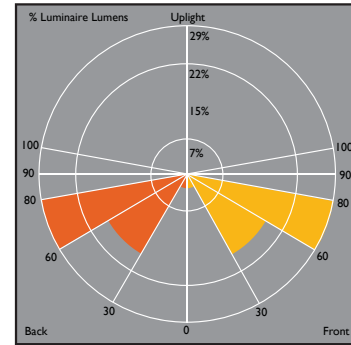
IES Type III



Typical LCS (IES TM-15-11):
 FL=10.7%, FM=33.7%, FH=27.7%,
 FVH=1.0%,
 BL=7.7%, BM=12.9%, BH=6.0%,
 BVH=0.4%, UL=0.0%, UH=0.0%

Consult IES files for BUG Ratings

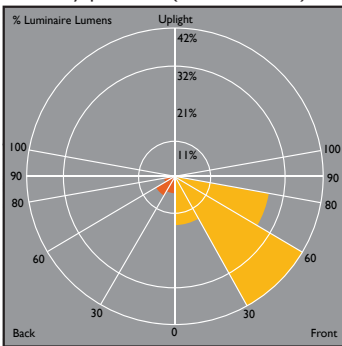
IES Type V



Typical LCS (IES TM-15-11):
 FL=2.7%, FM=18.4%, FH=29.2%,
 FVH=0.3%,
 BL=2.6%, BM=17.4%, BH=29.2%,
 BVH=0.3%, UL=0.0%, UH=0.0%

Consult IES files for BUG Ratings

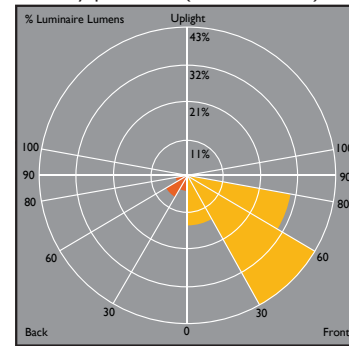
IES Type II (with HS)



Typical LCS (IES TM-15-11):
 FL=14.0%, FM=42.5%, FH=27.5%,
 FVH=0.5%,
 BL=5.5%, BM=6.7%, BH=3.2%, BVH=0.1%,
 UL=0.0%, UH=0.0%

Consult IES files for BUG Ratings

IES Type III (with HS)



Typical LCS (IES TM-15-11):
 FL=13.4%, FM=42.7%, FH=30.3%,
 FVH=0.2%,
 BL=5.0%, BM=5.9%, BH=2.5%, BVH=0.0%,
 UL=0.0%, UH=0.0%

Consult IES files for BUG Ratings

Standardized Product = Ready to Ship

StreetView is a low cost luminaire that comes with specific features required to answer the needs and the demands of roadway applications. With this complete standard offering, including the receptacle for a twist-lock photocell or shorting cap and the dimmable driver 0-10V, this luminaire is a breeze to order; and it is project ready and ships complete.

Some accessories, like the house side shield, can be added to your order without impacting our shipping commitment. These accessories were designed so they are easy to fit on the luminaire during or after installation in the field.

Sustainability

Because of its breakthrough design, StreetView has one of the highest ratios of lumen/product volume and lumen/product weight in the industry. This low weight not only makes the product environmentally friendly by its low material usage, but it also makes life easier for the installer and can represent significant cost savings in shipping and warehouse space usage.

The compact size of the luminaire and its light weight make it possible to stack more boxes of luminaires on the same skid compared to other roadway lighting products. Therefore you need less space for storage and the fees related to transportation will drop significantly given the reduced weight of the load. The loading process will definitely be much more manageable and effortless.

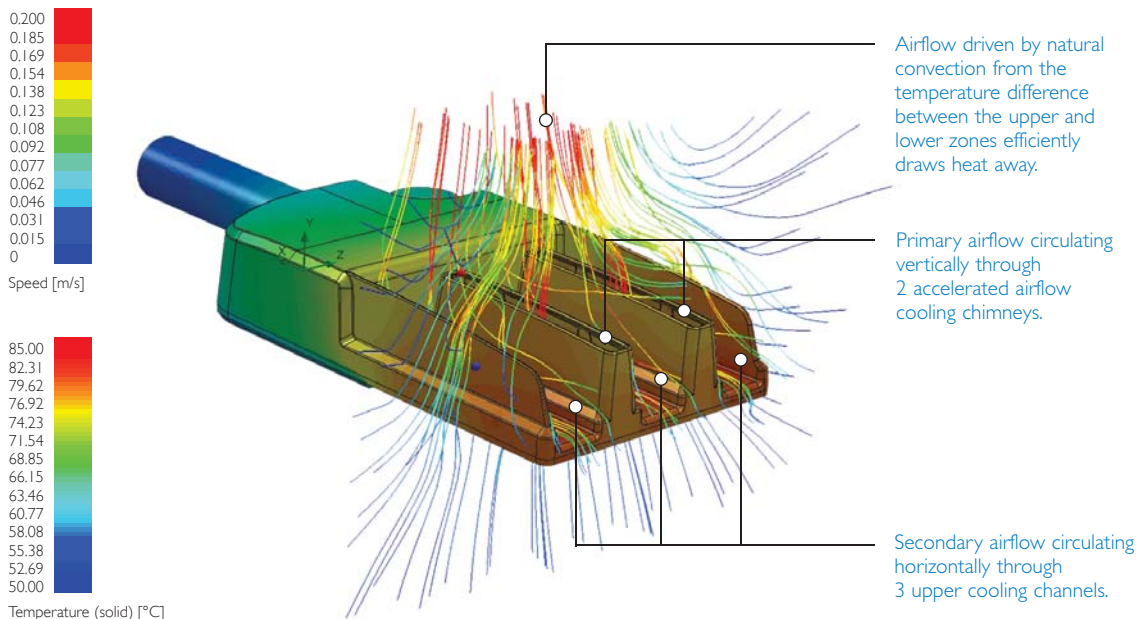
StreetView is up to 65% lighter than competitive products for same lumen output. The result is tons of material saved in a typical large installation.

StreetView is made of recycled aluminum and can be taken apart upon end of life. We are proud that this luminaire is 90% recyclable (without driver). As with most of our products, we developed StreetView as a green product that will please citizens and investors.

Innovative Thermal Management

StreetView is engineered to minimize material usage and maximize cooling. Its innovative natural convection chimney design allows airflow to efficiently cool all LED modules equally and keeps them at low temperature and perfectly balanced ensuring 100,000+ hours with $> L_{70}$ lumen maintenance at 25°C. LED drivers are also maintained at low temperatures for long life and exceptional reliability.

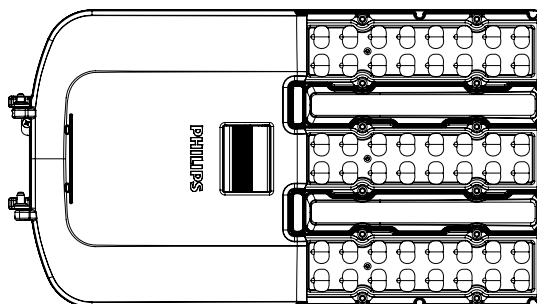
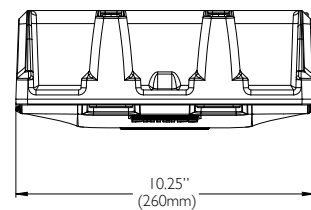
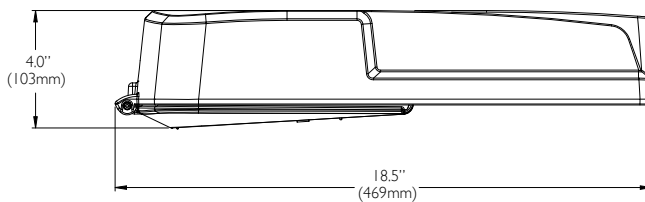
An ingenious feature provides a much sought after benefit. The product is designed with two unique accelerated airflow cooling chimneys, so even if debris were present on the luminaire, the cooling would still work because the primary airflow would still be able to circulate vertically. Wide heat sink channels enable natural cleaning and removal of debris.





Technical and Ordering Information

Dimensions



SVM

Conform to UL 1598 and CSA C22.2 No. 250.0-08 standards.

Suitable for operation in an ambient temperature range of -40°C / -40°F up to +40°C / +104°F.

The StreetView meets ANSI C136.31-2010 table 2, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. Tested for 3G over 100,000 cycles by an independent lab.

EPA:
0.51 sq ft

Weight:
10.4 lbs (4.7 kg)

SVM Technical Information

LED = Philips Lumileds LUXEON R, CRI = 75, CCT = 4000K (+/- 350K)
System (LED + driver) rated life = 100,000 hrs¹

LED Module	Typical Delivered Lumens	Typical System Wattage (W) ²	Typical System Current (A) @						LED Current (mA)	HID ³ Equivalent	Luminaire Efficacy Rating (Lm/W)	BUG Rating
			120V	208V	240V	277V	347V	480V				
16W16LED4K-R-LE2	1761	18	0.157	0.091	0.089	0.085	N/A	N/A	350	50-70W	100	B1 U0 G1
16W16LED4K-R-LE3	1870	18	0.157	0.091	0.089	0.085	N/A	N/A	350	50-70W	107	B1 U0 G1
16W16LED4K-R-LE5	1784	18	0.157	0.091	0.089	0.085	N/A	N/A	350	50-70W	102	B2 U0 G0
22W16LED4K-R-LE2	2359	24	0.215	0.124	0.156	0.142	N/A	N/A	490	50-70W	95	B1 U0 G1
22W16LED4K-R-LE3	2504	24	0.215	0.124	0.156	0.142	N/A	N/A	490	50-70W	101	B1 U0 G1
22W16LED4K-R-LE5	2390	24	0.215	0.124	0.156	0.142	N/A	N/A	490	50-70W	96	B2 U0 G1
24W16LED4K-R-LE2	2511	25	0.307	0.177	0.158	0.141	N/A	N/A	530	70-100W	94	B1 U0 G1
24W16LED4K-R-LE3	2666	25	0.307	0.177	0.158	0.141	N/A	N/A	530	70-100W	100	B1 U0 G1
24W16LED4K-R-LE5	2544	25	0.307	0.177	0.158	0.141	N/A	N/A	530	70-100W	95	B2 U0 G1
30W16LED4K-R-LE2	3075	35	0.29	0.167	0.17	0.12	N/A	N/A	700	70-100W	87	B1 U0 G1
30W16LED4K-R-LE3	3295	35	0.29	0.167	0.17	0.12	N/A	N/A	700	70-100W	92	B1 U0 G1
30W16LED4K-R-LE5	3145	35	0.29	0.167	0.17	0.12	N/A	N/A	700	70-100W	88	B2 U0 G1
32W32LED4K-R-LE2	3618	36	0.29	0.167	0.162	0.154	0.119	0.1	350	70-100W	103	B1 U0 G1
32W32LED4K-R-LE3	3754	36	0.29	0.167	0.162	0.154	0.119	0.1	350	70-100W	107	B1 U0 G1
32W32LED4K-R-LE5	3404	36	0.29	0.167	0.162	0.154	0.119	0.1	350	70-100W	97	B2 U0 G1
48W32LED4K-R-LE2	5309	49	0.401	0.231	0.211	0.193	0.172	0.14	530	70-100W	100	B1 U0 G1
48W32LED4K-R-LE3	5509	49	0.401	0.231	0.211	0.193	0.172	0.14	530	70-100W	104	B1 U0 G1
48W32LED4K-R-LE5	4995	49	0.401	0.231	0.211	0.193	0.172	0.14	530	70-100W	94	B3 U0 G1
60W32LED4K-R-LE2	6619	70	0.57	0.329	0.33	0.25	0.2	0.14	700	100-150W	94	B2 U0 G1
60W32LED4K-R-LE3	6924	70	0.57	0.329	0.33	0.25	0.2	0.14	700	100-150W	97	B2 U0 G2
60W32LED4K-R-LE5	6280	70	0.57	0.329	0.33	0.25	0.2	0.14	700	100-150W	89	B3 U0 G1
48W48LED4K-R-LE2	5090	49	0.383	0.221	0.225	0.214	0.167	0.132	350	70-100W	105	B1 U0 G1
48W48LED4K-R-LE3	5224	49	0.383	0.221	0.225	0.214	0.167	0.132	350	70-100W	107	B1 U0 G1
48W48LED4K-R-LE5	5097	49	0.383	0.221	0.225	0.214	0.167	0.132	350	70-100W	105	B3 U0 G1
72W48LED4K-R-LE2	7705	78	0.63	0.363	0.336	0.309	0.239	0.178	530	100-150W	99	B2 U0 G2
72W48LED4K-R-LE3	7909	78	0.63	0.363	0.336	0.309	0.239	0.178	530	100-150W	101	B2 U0 G2
72W48LED4K-R-LE5	7717	78	0.63	0.363	0.336	0.309	0.239	0.178	530	100-150W	99	B3 U0 G2
90W48LED4K-R-LE2	9854	105	0.86	0.496	0.5	0.43	0.3	0.22	700	150-175W	95	B2 U0 G2
90W48LED4K-R-LE3	10113	105	0.86	0.496	0.5	0.43	0.3	0.22	700	150-175W	98	B2 U0 G2
90W48LED4K-R-LE5	9868	105	0.86	0.496	0.5	0.43	0.3	0.22	700	150-175W	95	B4 U0 G4
90W48LED4K-R-LE2-HS ⁴	7793	105	0.86	-	0.5	0.43	0.3	0.22	700	150W	75	B1 U0 G2
90W48LED4K-R-LE3-HS ⁴	7866	105	0.86	-	0.5	0.43	0.3	0.22	700	150W	76	B1 U0 G2

LED = Philips Lumileds LUXEON T, CRI = 75, CCT = 4000K (+/- 350K)
System (LED + driver) rated life = 100,000 hrs¹

LED Module	Typical Delivered Lumens	Typical System Wattage (W) ²	Typical System Current (A) @						LED Current (mA)	HID ³ Equivalent	Luminaire Efficacy Rating (Lm/W)	BUG Rating
			120V	208V	240V	277V	347V	480V				
140W48LED4K-T-LE2	14556	160	1.330	0.760	0.665	0.575	N/A	N/A	1050	200-250W	94	B3 U0 G2
140W48LED4K-T-LE3	15200	160	1.330	0.760	0.665	0.575	N/A	N/A	1050	200-250W	98	B3 U0 G2
140W48LED4K-T-LE5	14880	160	1.330	0.760	0.665	0.575	N/A	N/A	1050	200-250W	96	B4 U0 G2

¹ L₇₀ > 100,000 hrs (at ambient temperature = 25°C and forward current = 700 mA for all except 140W48LED: forward current = 1050 mA).

² System wattage or total luminaire wattage includes the LED module and the LED driver

³ Equivalence should always be confirmed by a photometric layout

⁴ HS is shown as an example. HS is also available with all other LED modules except for type V distribution

Note : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Philips.

Optical System / LED

Composed of high performance optical grade polymer refractor lenses to achieve desired distribution, optimized to get maximum spacing, target lumens and superior lighting uniformity. Photometric testing performed in accordance with IESNA LM-79 guidelines. BUG ratings and zonal lumens in accordance with IESNA TM-15.

• LE2 Type II: Asymmetrical Distribution
• LE3 Type III: Asymmetrical Distribution
• LE5 Type V: Symmetrical (square)
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•
•

Voltages

UNIV: 120 / 277: 16 LED 32 LED 48 LED

HVU: 347 / 480: 32 LED 48 LED*

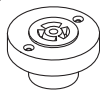
* not available in 140W48LED versions

Integrated Features

Please note that these integrated features always come with StreetView luminaire.

RC*

Receptacle for a twist-lock photocell or shorting cap



* Use of photocell or shorting cap is required to ensure proper illumination.

DMG

Dimmable driver 0-10V

WC10

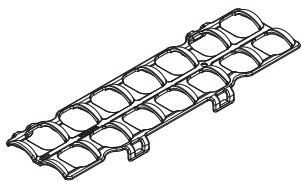
10-year limited warranty

Luminaire Accessories

Please note that these accessories need to be ordered as an accessory, and they are quickly and easily installed in the field.

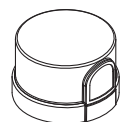
HS

House side shield



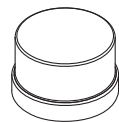
PH8*

Photoelectric cell



PH9*

Shorting Cap



SPC*

Starsense Photo-cell Control



* Luminaire option RC is required with these accessories

Luminaire and Driver Options

SP1

Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA.



CLO*

Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module(s).

AST*

Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

OTL*

Pre-set driver to signal end of life of the LED module(s) for better fixture management.

AMPD*

Driver pre-programmed for compatibility with Amplight control system.

CDMG*

Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

DALI*

Pre-set driver compatible with the DALI control system.

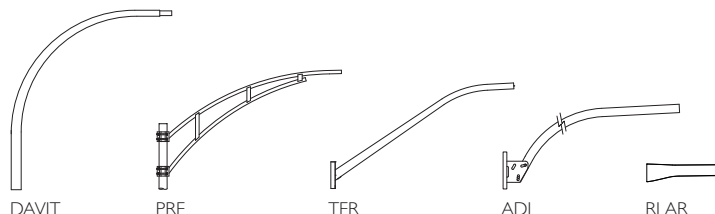
*Not available with 347/480V or 140W/48LED versions.

Mounting

2 bolt connection mounting, single clamp (1.66" OD, 1.9" OD, 2.375" OD) (1 1/4", 1 1/2" and 2" NPS pipe tenon).

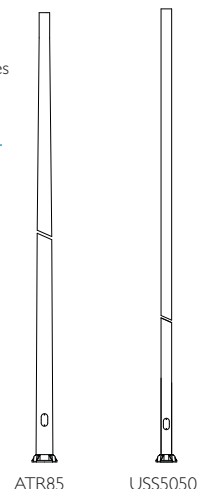
Accommodates different arm diameters + tilt

Consult the Philips Pole Series for details and the complete line of brackets by clicking here: http://www.usa.lighting.philips.com/pwc_li/us_en/subsites/roadway/assets/Philips_Pole_Guide.pdf



Poles

Consult the Philips Pole Series for details and the complete line of poles by clicking here: http://www.usa.lighting.philips.com/pwc_li/us_en/subsites/roadway/assets/Philips_Pole_Guide.pdf



Finish

GY3: Gray finish standard

NF: Non-painted (optional)*

*Not available with 140W48LED versions.

Ordering Example

Luminaire	LED Module	Optical System	Voltage	Integrated Features	Luminaire Options	Accessories	Finish
SVM	140W48LED4K-T	LE3	UNIV	DMG-RC-WC10	SP1	HS-PH8	GY3

Easy Installation*

Note: Electrical power must be disconnected before installation.

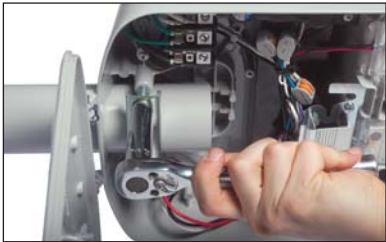
1.

Push the latch to release the access door:
Slide the fixture onto the tenon.



2.

Horizontal angle can be adjusted.
Evenly tighten the two bolts of the bracket.



3.

Connect the service leads to the
terminal block.



4. Accessories

PH8, PH9 and SPC**

StreetView accessories or other compatible
device can be installed in the receptacle.
Luminaire does not need to be opened.



House Side Shield (HS)**

Match the optics alignment pin with the hole
in the house side shield. Snap the house side
shield to the optics. No tools required.
Luminaire does not need to be opened.

** PH8, PH9, SPC and HS must be ordered as accessories.
Use of photocell or shorting cap is required to ensure
proper illumination.



** Consult complete installation instruction
document for more details.*

StreetView models are available to meet local requirements including ARRA (marked "USA") and others. Consult factory for more details.



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