

**PHILIPS  
LUMEC**

Roadway

StreetView



# Exceptional **optical performance**

Featuring an ingenious thermal  
design at an unbeatable value



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

# Superior technology, **superior performance**

## LED's

StreetView uses the latest LED technology to meet the strictest outdoor lighting standards. With a high color rendering index (CRI) and exceptional lumen output, these LEDs meet the most stringent standards required by municipalities and utilities today.

## IP66-rated LED modules

This supreme LED module is the unparalleled Philips LEDgine platform. 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.

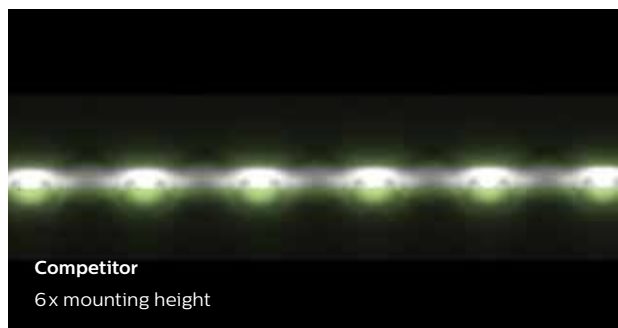
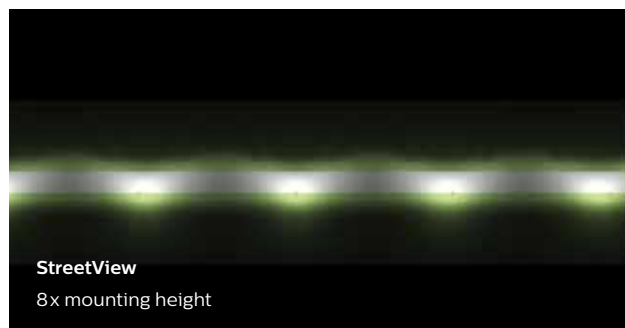


## Optical performance

Fitted with the latest 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).

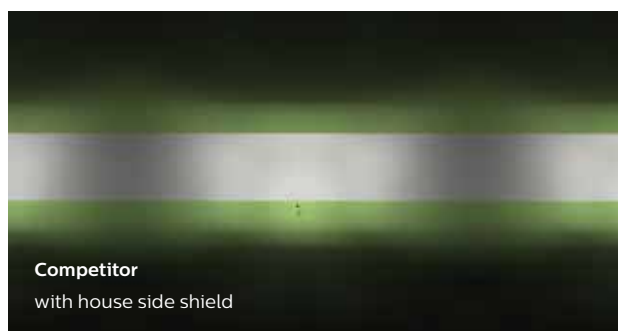
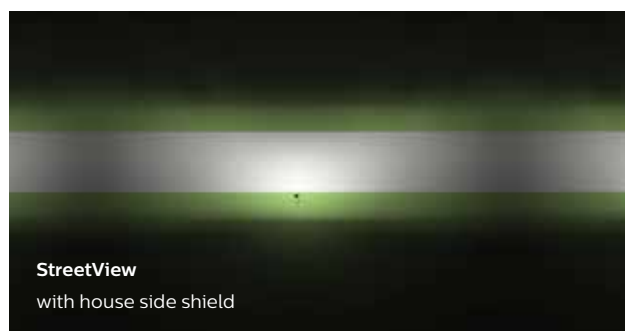
## Pole spacing

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.



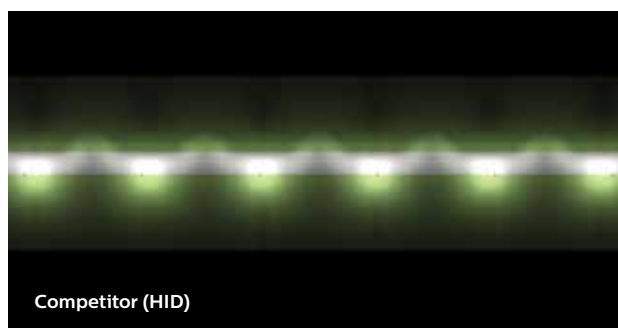
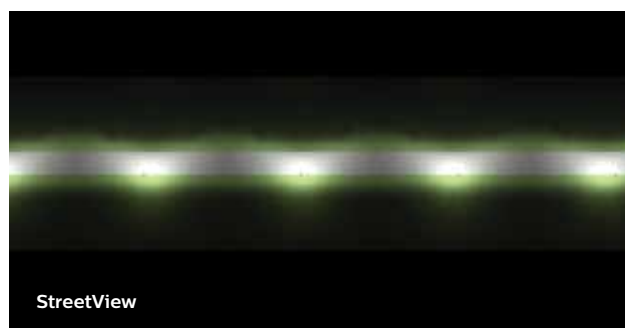
## House side shield efficacy

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.



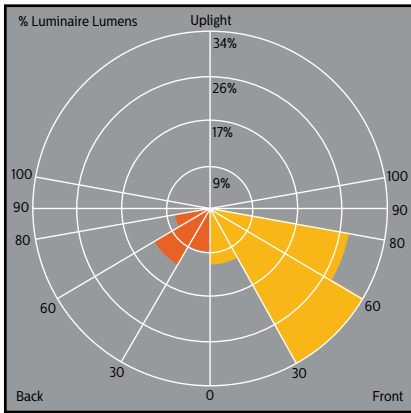
## Uniformity

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.





# Photometrics

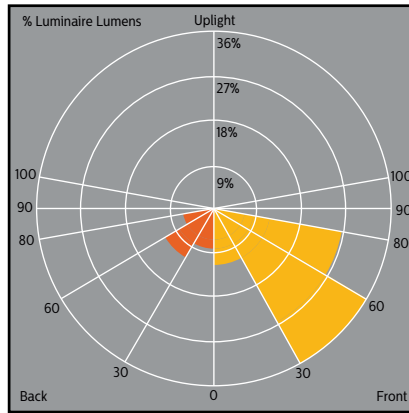


## IES Type II

Typical LCS (IES TM-15-11)

FL	FM	FH	FVH	BL	BM	BH	BVH	UL/UH
10.6%	34.0%	26.9%	0.7%	8.2%	12.3%	6.8%	0.4%	0.0%

Consult IES files for BUG Ratings

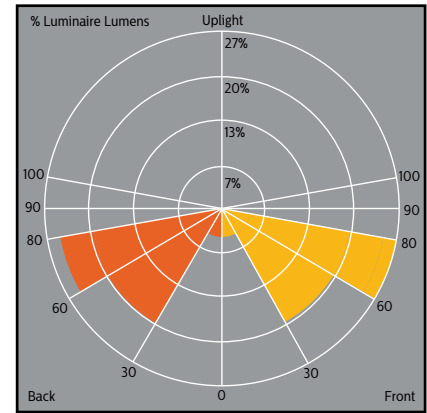


## IES Type III

Typical LCS (IES TM-15-11)

FL	FM	FH	FVH	BL	BM	BH	BVH	UL/UH
11.3%	35.7%	26.0%	0.4%	8.3%	11.5%	6.3%	0.4%	0.0%

Consult IES files for BUG Ratings

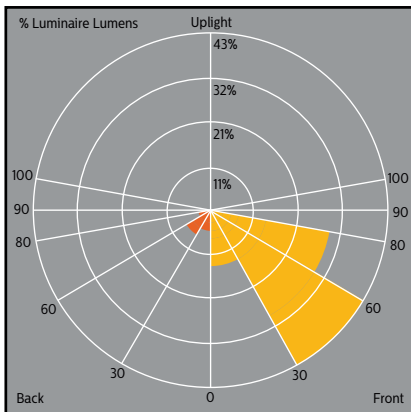


## IES Type V

Typical LCS (IES TM-15-11)

FL	FM	FH	FVH	BL	BM	BH	BVH	UL/UH
4.2%	19.5%	26.6%	0.3%	4.3%	10.0%	24.8%	0.3%	0.0%

Consult IES files for BUG Ratings

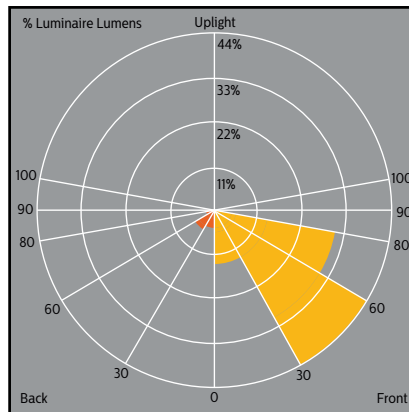


## IES Type II (with HS)

Typical LCS (IES TM-15-11)

FL	FM	FH	FVH	BL	BM	BH	BVH	UL/UH
13.34%	42.6%	28.8%	0.3%	5.1%	6.8%	3.0%	0.1%	0.0%

Consult IES files for BUG Ratings



## IES Type III (with HS)

Typical LCS (IES TM-15-11)

FL	FM	FH	FVH	BL	BM	BH	BVH	UL/UH
13.3%	43.8%	30.0%	0.3%	4.6%	5.7%	2.3%	0.1%	0.0%

Consult IES files for BUG Ratings

Note: The optical distributions shown are examples of the SVM-140W48LED4K-G2. Consult StreetView IES files for specific optical performance criteria for these and all other StreetView configurations.

## 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

## Lighter

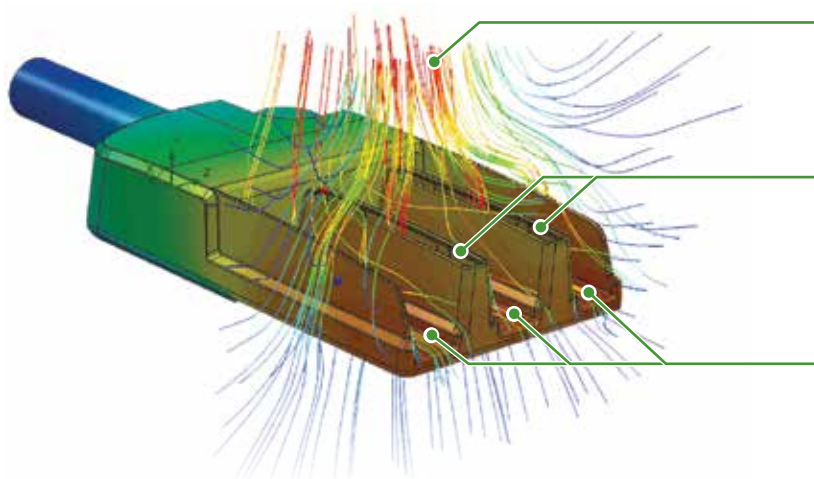
StreetView is up to 65% lighter than competitive products with the same lumen output.

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.

Thanks to 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.

## Innovative thermal management



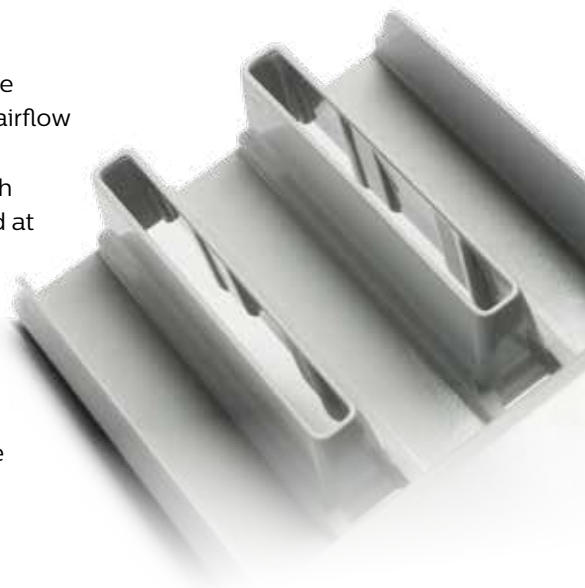
Airflow driven by natural convection from the temperature difference between the upper and lower zones efficiently draws heat away.

Primary airflow circulating vertically through 2 accelerated airflow cooling chimneys.

Secondary airflow circulating horizontally through the 3 upper cooling channels.

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 > L70 lumen maintenance at 25°C. LED drivers are also maintained at low temperatures for long life and exceptional reliability.

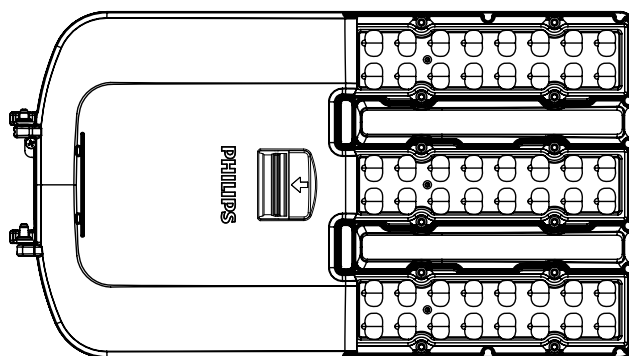
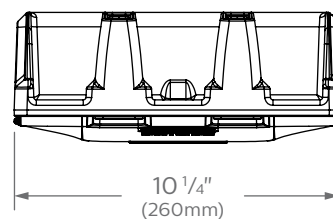
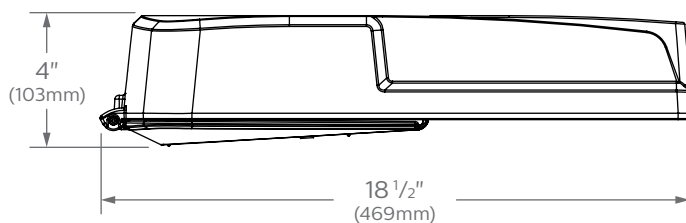
An ingenious feature provides a much sought after benefit. The product is designed with two unique accelerated airflow cooling chimneys, so even if debris were present on the luminaire, the cooling would still work because the primary airflow would still be able to circulate vertically. Wide heat sink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





## Technical data and ordering information

### Dimensions



### SVS

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.

**Weight:** 9.8 lbs (4.5 kg)

**EPA:** 0.51 sq ft



## SVM Technical information

CRI = 70min CCT = 4000K nominal (3985K +/- 275K or 3710K to 4260K)

System (LED+driver) rated life = 100,000hrs<sup>1</sup>

LED Module	Typical delivered lumens	Typical system wattage (W) <sup>2</sup>	LED current (mA)	Typical System Current (A) @						Luminaire Efficacy Rating (Lm/W)	BUG rating
				120V	208V	240V	277V	347V	480V		
16W16LED4K-G2-LE2	2164	19	350	0.160	0.100	0.090	0.082	N/A		113	B1-U0-G1
16W16LED4K-G2-LE3	2192	19	350	0.160	0.100	0.090	0.082			115	B1-U0-G1
16W16LED4K-G2-LE5	2299	19	350	0.160	0.100	0.090	0.082			123	B2-U0-G0
22W16LED4K-G2-LE2	2822	26	470	0.210	0.125	0.115	0.105			109	B1-U0-G1
22W16LED4K-G2-LE3	2860	26	470	0.210	0.125	0.115	0.105			111	B1-U0-G1
22W16LED4K-G2-LE5	2999	26	470	0.210	0.125	0.115	0.105			116	B2-U0-G1
24W16LED4K-G2-LE2	2965	27	530	0.225	0.135	0.120	0.110			109	B1-U0-G1
24W16LED4K-G2-LE3	3004	27	530	0.225	0.135	0.120	0.110			110	B1-U0-G1
24W16LED4K-G2-LE5	3150	27	530	0.225	0.135	0.120	0.110			115	B2-U0-G1
30W16LED4K-G2-LE2	3792	36	700	0.290	0.175	0.150	0.135			105	B1-U0-G1
30W16LED4K-G2-LE3	3842	36	700	0.290	0.175	0.150	0.135			106	B1-U0-G1
30W16LED4K-G2-LE5	4029	36	700	0.290	0.175	0.150	0.135			112	B3-U0-G1
32W32LED4K-G2-LE2	4085	34	350	0.300	0.185	0.165	0.155	0.105	0.090	118	B1-U0-G1
32W32LED4K-G2-LE3	4139	35	350	0.300	0.185	0.165	0.155	0.105	0.090	120	B1-U0-G1
32W32LED4K-G2-LE5	4341	35	350	0.300	0.185	0.165	0.155	0.105	0.090	126	B3-U0-G1
48W32LED4K-G2-LE2	6132	53	530	0.450	0.270	0.240	0.215	0.160	0.130	116	B2-U0-G1
48W32LED4K-G2-LE3	6214	53	530	0.450	0.270	0.240	0.215	0.160	0.130	117	B2-U0-G1
48W32LED4K-G2-LE5	6515	53	530	0.450	0.270	0.240	0.215	0.160	0.130	123	B3-U0-G1
60W32LED4K-G2-LE2	7752	71	700	0.595	0.340	0.295	0.265	0.210	0.160	109	B2-U0-G2
60W32LED4K-G2-LE3	7855	71	700	0.595	0.340	0.295	0.265	0.210	0.160	110	B2-U0-G2
60W32LED4K-G2-LE5	8237	71	700	0.595	0.340	0.295	0.265	0.210	0.160	116	B3-U0-G1
48W48LED4K-G2-LE2	6341	54	350	0.440	0.260	0.250	0.230	0.160	0.130	117	B2-U0-G1
48W48LED4K-G2-LE3	6426	54	350	0.440	0.260	0.250	0.230	0.160	0.130	118	B2-U0-G2
48W48LED4K-G2-LE5	6734	54	350	0.440	0.260	0.250	0.230	0.160	0.130	124	B3-U0-G1
72W48LED4K-G2-LE2	8985	79	530	0.660	0.390	0.350	0.310	0.225	0.170	114	B2-U0-G2
72W48LED4K-G2-LE3	9105	79	530	0.660	0.390	0.350	0.310	0.225	0.170	116	B2-U0-G2
72W48LED4K-G2-LE5	9542	79	530	0.660	0.390	0.350	0.310	0.225	0.170	121	B3-U0-G2
90W48LED4K-G2-LE2	11475	105	700	0.890	0.515	0.455	0.390	0.305	0.225	109	B2-U0-G2
90W48LED4K-G2-LE3	11628	105	700	0.890	0.515	0.455	0.390	0.305	0.225	111	B2-U0-G2
90W48LED4K-G2-LE5	12186	105	700	0.890	0.515	0.455	0.390	0.305	0.225	116	B4-U0-G2
140W48LED4K-G2-LE2	15790	160	1050	1.330	0.760	0.665	0.575	N/A		99	B3-U0-G3
140W48LED4K-G2-LE3	16010	161	1050	1.330	0.760	0.665	0.575			99	B3-U0-G3
140W48LED4K-G2-LE5	17248	162	1050	1.330	0.760	0.665	0.575			106	B4-U0-G2

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.

IES files with HS house side shield option are also available – contact the factory.

1. L<sub>70</sub> > 10 0,000 hrs (at ambient temperature = 25°C)

2. System wattage or total luminaire wattage includes the lamp and the LED driver

## 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

## Voltages

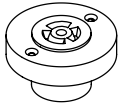
**UNIV:** 120 / 277 (16 LED, 32 LED, 48 LED)

**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

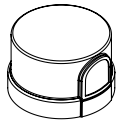
Dimmable driver 0-10V

### 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.

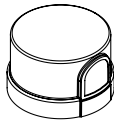
## Luminaire accessories

Quickly and easily installed in the field. Ordered as separate line items.



### PH8 PH8/347 PH8/480

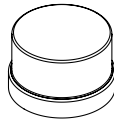
Photoelectric cell



### PH8XL

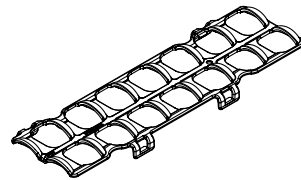
Photoelectric Cell, Twist-lock Type, "Fail ON", extended life / 10-year limited warranty from supplier.

Not available with HVU: 347 / 480 volt.



### PH9

Shorting Cap



### HS

House side shield

## Luminaire and Driver Options

### SP2

20kV/20kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

### CLO<sup>1</sup>

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 LEDmodule(s).

### AST<sup>1</sup>

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

### OTL<sup>1</sup>

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

### CDMG<sup>1</sup>

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

### DALI<sup>1</sup>

Pre-set driver compatible with the DALI control system.

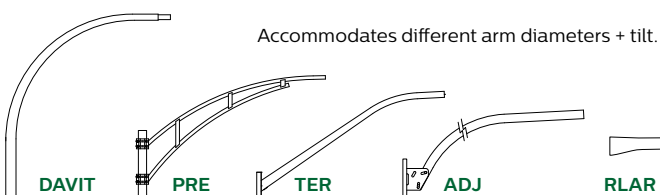
1. Not available with 347/480V or 140W48LED versions.

See specification sheets for Ordering Guide and footnotes, exact catalog logic and details.

## 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).



## Poles

### ATR85

### USS5050

Consult the Philips Pole Series for details and the complete line of brackets by visiting: [http://www.usa.lighting.philips.com/pwc\\_li/us\\_en/subsites/roadway/assets/Philips\\_Pole\\_Guide.pdf](http://www.usa.lighting.philips.com/pwc_li/us_en/subsites/roadway/assets/Philips_Pole_Guide.pdf)

## Ordering example

Please note that the luminaire accessories are not part of the ordering guide example. They need to be ordered as separate line items.

Luminaire	LED Module	Optical System	Voltage	Integrated Features	Luminaire Options	Accessories	Finish
SVM	140W48LED4K-G2	LE3	UNIV	DMG-RC	SP2	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.

Install accessories.



### PH8, PH8XL, and PH9\*\*

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.

\* Consult complete installation instruction document for more details.

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

