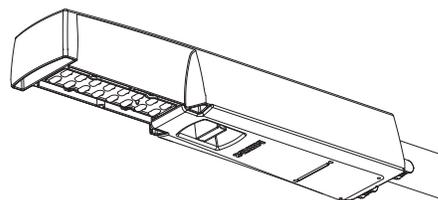


Compact Design, without compromise in performance

MINIVIEW LED ROADWAY LUMINAIRE



PHILIPS LUMEC MINIVIEW LED ROADWAY LUMINAIRE

The Philips Lumec MiniView LED Roadway luminaire was designed to eliminate the compromises of performance, features and value when choosing between existing HID and industry leading LED technology. MiniView is the perfect solution when projects require a luminaire that meets specifications without sacrificing performance... all while maximizing operations and maintenance savings. This roadway luminaire features a single IP66-rated LED module, designed to provide crisp, brilliant white light that surpasses existing HID luminaire performance. Optimized for applications such as local roads and residential streets, MiniView will become the choice of any city, municipality and utility considering the overall size, weight, and tool-free features that ensure ease of installation. MiniView makes your upgrade to reliable, long-lasting, low-maintenance LED lighting a simple cost-effective decision.

Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____ Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

example: SVS-35W16LED4K-T-LE3-UNIV-DMG-RC-WC10-GY3

Luminaire	LED Module	Optical System	Voltage	Integrated Features	Finish
SVS			UNIV	DMG-RC-WC10	GY3
SVS MiniView LED Roadway Luminaire	25W16LED4K-T or 35W16LED4K-T or 54W16LED4K-T	LE2 Type II LE3 Type III	UNIV 120-277VAC	DMG ¹ Dimmable driver 0-10V RC ^{1,2} Receptacle for a twist-lock photocell or shorting cap WC10 ¹ 10-year limited warranty	GY3 Grey finish

Ordering guide

Luminaire Accessories - must be ordered as separate line items:

- ACC-SVS-HS³: House side shield
- ACC-SVS-UNIV-PH8^{2,3}: Photoelectric cell
- ACC-SVS-PH9^{2,3}: Shorting cap
- ACC-SVS-UNIV-SPC³: Starsense Photocell Control

1. Please note that these integrated features always come with MiniView luminaires.
2. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
3. Please note that these accessories need to be ordered as separate line items and they are quickly and easily installed in the field.



**PHILIPS
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LED Wattage and Lumen Values - MiniView Luminaire

LED = Philips Lumileds LUXEON T, CRI = 70, CCT = 4000K (+/- 350K)
System (LED + driver) rated life = 100,000 hrs⁴

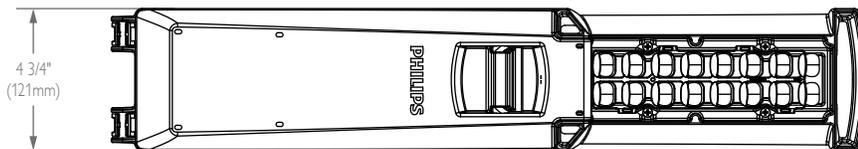
LED Module	Typical delivered lumens	Typical system wattage (W) ⁵	Typical System Current (A) @				LED current (mA)	HID ⁶ equivalent	Luminaire Efficacy Rating (Lm/W)	BUG rating
			120V	208V	240V	277V				
25W16LED4K-T-LE2	2887	24	0.205	0.119	0.104	0.092	470	70-100W	118.7	B1-U0-G1
25W16LED4K-T-LE3	2752	24	0.205	0.119	0.104	0.092	470	70-100W	113.2	B1-U0-G1
35W16LED4K-T-LE2	4030	36	0.307	0.175	0.152	0.133	700	70-100W	111.9	B1-U0-G1
35W16LED4K-T-LE3	3842	36	0.307	0.175	0.152	0.133	700	70-100W	106.7	B1-U0-G1
54W16LED4K-T-LE2	5550	54	0.459	0.268	0.232	0.203	1050	100-150W	102.4	B1-U0-G1
54W16LED4K-T-LE3	5268	54	0.459	0.268	0.232	0.203	1050	100-150W	96.9	B1-U0-G1

4. $L_{70} > 100,000$ hrs (at ambient temperature = 40°C and forward current = 1.05A).
5. System wattage or total luminaire wattage includes the LED module and the LED driver.
6. Equivalence should always be confirmed by a photometric layout.

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.

Dimensions - Standard MiniView Luminaire

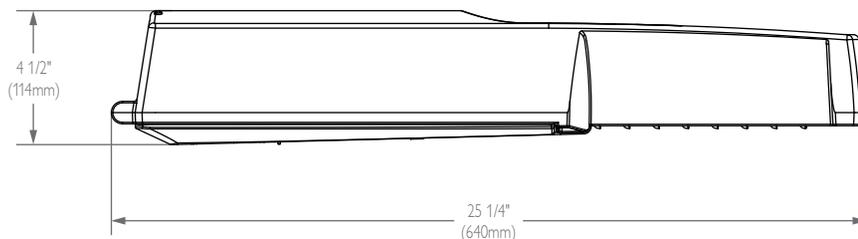
Top View



EPA: 0.85 sq. ft.

Luminaire Weight: 25/35W: 7.5 lbs. (3.4 kg)
54W: 8.1 lbs. (3.7 kg)

Side View



LED Performance

PREDICTED LUMEN DEPRECIATION DATA ⁷				
Ambient Temperature °C	Driver mA	Calculated L_{70} Hours ^{7,8}	L_{70} Per TM-21 ^{8,9}	Lumen Maintenance % @ 60,000 hours
Up to 40 °C	Up to 1050 mA	> 100,000 Hours	> 60,000 Hours	>96%

7. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
8. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output.
9. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours.

MINIVIEW LED ROADWAY LUMINAIRE

Specifications

Housing:

Made of low copper die cast A360 Aluminum alloy 0.100" (2.5mm) minimum thickness. Fits on a 1.66" (42mm) O.D. (1.25" NPS) or 2 3/8" (60mm) O.D. (2" NPS) by 5 1/4" (133mm) minimum long tenon. Comes with a zinc plated clamp fixed by 2 zinc plated hexagonal bolts 3/8 16 UNC for ease of installation. Provides an easy step adjustment of +/- 5° tilt in 2.5° increments. A quick release, tool less entry, hinged, removable polymeric door opens downward to provide access to electronic components and to a terminal block. Door is secured to prevent accidental dropping or disengagement. A clearance of 8" (203mm) at the rear is required in order to open the door. Complete with a bird guard protecting against birds and similar intruders and an ANSI label to identify wattage and source (both included in box).

Light Engine:

Composed of 4 main components: LED Module / Optical System / Heat Sink / Driver.

Electrical components are RoHS compliant, IP66 sealed light engine equipped with Philips Lumileds LUXEON T LEDs.

LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

LED Module:

(Included), LED type Philips Lumileds LUXEON T. Composed of 16 high-performance white LEDs. Color temperature as per ANSI bin 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical.

Optical System:

Composed of high-performance optical grade polymer acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Dark Sky compliant with 0% uplight and U0 per IESNA TM-15.

LE2 TYPE II Asymmetrical Distribution

LE3 TYPE III Asymmetrical Distribution

Heat Sink:

Built-in the housing, the innovative high efficacy heat sink chimney design ensures superior cooling by natural convection air flow pattern always close to LEDs and driver optimizing their efficiency and life. Product does not use any cooling device with moving parts (only passive cooling).

Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +40°C / +104°F.

Driver:

For 25W and 35W: High power factor of >95%. Electronic driver, operating range 50/60 Hz. Auto-adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class II, THD of 12% max.

For 54W: High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto-adjusting universal voltage input from 120 to 277 VAC rated for both application line to line or line to neutral, Class II, THD of 20% max

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built-in driver surge protection of 2.5kV (min).

Integrated Features:

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

MiniView is covered by a 10-year warranty from defects in material and workmanship in its intended use, as well as coverage for the finish. Visit website for more details on warranty.

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.

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

Luminaire Accessories:

ACC-SVS-HS

House side shield

ACC-SVS-UNIV-PH8*

Photoelectric cell

ACC-SVS-PH9*

Shorting Cap

ACC-SVS-UNIV-SPC*

Starsense Photo-cell Control.

** Luminaire option RC is required with this accessory.*

These accessories need to be ordered as separate line items and they are quickly and easily installed in the field.

Luminaire Useful Life:

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, Philips Advance data and Philips Lumileds LM-80/TM-21 data, expected to reach 100,000+ hours with >L₇₀ lumen maintenance @ 40°C.

Wiring:

The connection of the luminaire is done using a terminal block connector 600V, 85A for use with #2-14 AWG. wires from the primary circuit, located inside the housing.

Hardware:

All exposed screws shall be stainless steel with Ceramic primer-seal base coat to reduce seizing of the parts. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Specifications

Finish:

Color to be medium grey (GY3) and in accordance with the AAMA 2603 standard. Application of a polyester powdercoat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM-D2244 standard, as well as luster retention in keeping with the ASTM-D523 standard and humidity proof in accordance with the ASTM-D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM-B117 standard.

LED Products Manufacturing Standard:

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Vibration Resistance:

The SVS meets the ANSI C136.31, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 3G over 100 000 cycles by an independent lab).

Certifications and Compliance:

CSA, cULus Listed for Canada and USA. Luminaire complies with DOE MSSLIC Model Specification for LED Roadway Luminaires. MiniView is on the DesignLights Consortium (DLC) Qualified Products List (QPL).

