



Helios

An innovative classic

Philips Helios roadway luminaire series with *Smartseal* technology

PHILIPS

Innovative solutions, sustainable performance.

Versatility

A new twist on this classic and recognizable shape yields a stately architectural achievement. The bold shape and clean lines of the luminaire enhance the design while the interior of the luminaire showcases a tool free access system and Smartseal™ (IP66) optics which assures ease of maintenance, optimal photometric performance, and long life. Highly decorative and providing design versatility with a variety of mounting options, the distinctive all aluminum housing of this luminaire is produced from an alloy with a low copper content that assures a longer life. It has been designed to provide superior mechanical resistance to vibrations and wear under extreme conditions. The Helios is the perfect luminaire for high-traffic projects such as highways and city streets.

Practicality

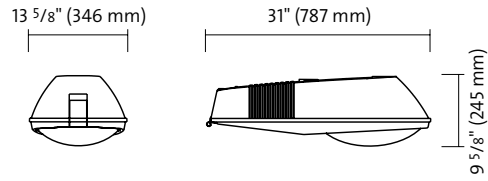
A simple quarter-turn of the sealed shutter provides easy access to the lamp. Quick disconnect terminals between the lamp and the ballast tray ensure safe and easy lamp replacement. A latch located on top of the luminaire opens the hood, which can then be pivoted along an incorporated hinge making maintenance a breeze and saving manpower hours.



Lamps/HID

Wattage	HBS type	HBM type
70 MH, medium	ED17	ED17
100 MH, medium	ED17 ED23 ½	ED17
150 MH, medium	ED17 ED23 ½	ED17
70 HPS, mogul	ED23 ½	ED23 ½
100 HPS, mogul	ED23 ½	ED23 ½
150 HPS, mogul	ED23 ½	ED23 ½
200 HPS, mogul	ED18	ED18
250 HPS, mogul	ED18	ED18
310 HPS, mogul	N/A	ED18
400 HPS, mogul	N/A	ED18
175 PSMH, mogul	ED28	ED28
250 PSMH, mogul	ED28	ED28
400 PSMH, mogul	N/A	ED28

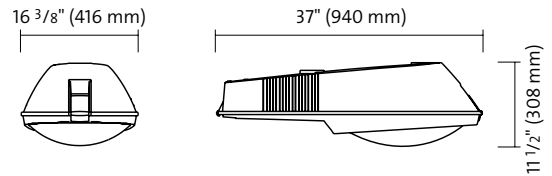
Physical characteristics



HBS

SAG LENS OPTICS
EPA: 1.47 sq. ft.
Weight: 27 lbs

FLAT LENS OPTICS
EPA: 1.40 sq. ft.
Weight: 26 lbs



HBM

SAG LENS OPTICS
EPA: 1.59 sq. ft.
Weight: 32 lbs

FLAT LENS OPTICS
EPA: 1.52 sq. ft.
Weight: 31 lbs

Lamps/eHID

Wattage	HBS type	HBM type	CCT
60 CW	T9	N/A	2800K
90 CW	T9	N/A	2800K
140 CW	T9	N/A	2800K
210 MCE	N/A	T12	3000K * 4200K
315 MCE	N/A	T12	3000K * 4200K

* 3000K standard

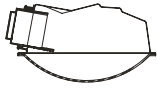
Lamps/QL

Wattage	HBS type	HBM type
55 QL	✓	
85 QL	✓	
165 QL		✓

High frequency generator for induction lamp (4000K). Instant start. Operating range 50-60 Hz or DC. Lamp minimum starting temperature -40F (-40 C).
✓ = available



Optical systems / HID and eHID



SAG lens optics

Hydroformed reflector permanently sealed on a sag tempered-glass lens.

HBS

MC2: Medium cut-off (II)
MC3: Medium cut-off (III)
MS2: Medium semi cut-off (II)
SC1: Short cut-off (I)
SC2: Short cut-off (II)
SC3: Short cut-off (III)

HBM

MC2: Medium cut-off (II)
MS2: Medium semi cut-off (II)
MN2: Medium non cut-off (II)
MN3: Medium non cut-off (III)



Flat lens optics

Hydroformed reflector permanently sealed on a flat tempered-glass lens.

HBS

SC1F: Short cut-off (I)
SS2F: Short semi cut-off (II)
MN3F: Medium none cut-off (III)
MS3F: Medium semi cutoff (III)
MC1F: Medium cutoff (I)
MC2F: Medium cutoff (II)
MC3F: Medium cutoff (III)

HBM

MC2F: Medium cut-off (II)
MC3F: Medium cut-off (III)

* Lamps not included on HID. Lamps included on eHID.

Photometry available on Philips Roadway Lighting website www.philips.com/roadwaylighting. Consult factory for additional distribution.

Voltage / HID Voltage / eHID

120 / 208 / 240 / 277 / 347 / 480

CW 120 / 208 / 240 / 277

*Multi-tap ballast also available.

MCE 208 / 240 / 277

Optical systems / QL

HBS :

SAG LENS optics

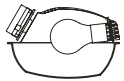


Hydroformed reflector permanently sealed on a sag tempered-glass lens.

SC3: Short cut-off (III)

HBS/HBM :

PRISMATIC LENS optics



Hydroformed reflector permanently sealed on a sag acrylic lens.

SA: Short semi cut-off (III)

* Lamps included. Photometry available on Philips Roadway Lighting website www.philips.com/roadwaylighting.

Voltage / QL

120 / 208 / 240 / 277



Luminaire options

- BL** Bubble level
- HDB** Heavy duty block connector
- HS** House shield
- PH8** Photoelectric cell
- RC** Receptacle for a twist-lock photoelectric cell or a shorting cap
- SP** Line surge protection
- SQD** Starter with quick disconnect
- STB** Anti-vibration kit
- STP** Protective starter



Finishes

The specially formulated Lumital powder coat finish is available in white, grey, black and bare. Additional colors are available. Consult factory for complete specifications.

Maintenance



Access to lamp

A simple quarter-turn of the sealed shutter provides easy access to the lamp. Quick-disconnect terminals between the lamp and the ballast tray ensure safe and easy lamp replacement.



Access to ballast

The tool free drop-in unitized ballast tray is slipped into the ballast box which rests on the optical support plate. The use of quick-disconnect terminals ensures safe and easy ballast maintenance.





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Document order number: HEL100R01

Philips Roadway Lighting
10275 W. Higgins Road
Rosemont IL 60018
Tel: 847-390-5111 Fax: 847-332-0305
Customer Support/Technical Service: 847-390-5111
www.philips.com/roadwaylighting
A Division of Genlyte Thomas Group LLC