



**Helios**

# An innovative classic

Philips Helios roadway luminaire series with *Smartseal* technology

**PHILIPS**  
**LUMEC**

# 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

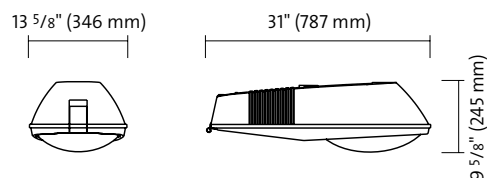
A simple quarter-turn of the sealed shutter provides easy access to the lamp. Quick disconnect terminals between the lamp and the ballast tray ensure safe and easy lamp replacement. A latch located on top of the luminaire opens the hood, which can then be pivoted along an incorporated hinge making maintenance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

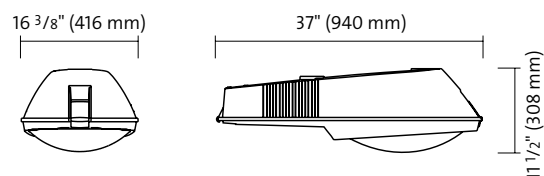
EPA: 1.47 sq. ft.

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

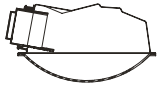
### FLAT LENS OPTICS

EPA: 1.52 sq. ft.

Weight: 31 lbs



# Optical systems / HID



## 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 cut-off (III)
- MC1F:** Medium cut-off (I)
- MC2F:** Medium cut-off (II)
- MC3F:** Medium cut-off (III)

## HBM

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

\* Lamps not included on HID.

Photometry available on Philips Roadway Lighting website [www.philips.com/roadwaylighting](http://www.philips.com/roadwaylighting). Consult factory for additional distribution.

# Voltage / HID

120 / 208 / 240 / 277 / 347 / 480

\*Multi-tap ballast also available.



# Luminaire options

<b>BL</b>	Bubble level
<b>HDB</b>	Heavy duty block connector
<b>HS</b>	House shield
<b>PH8</b>	Photoelectric cell
<b>RC</b>	Receptacle for a twist-lock photoelectric cell or a shorting cap
<b>SP</b>	Line surge protection
<b>SQD</b>	Starter with quick disconnect
<b>STB</b>	Anti-vibration kit
<b>STP</b>	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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Specifications are subject to change without notice.

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