

# LUMEC

by  Signify

# Reveal your resounding uniqueness

Roadway

RoadStar



**Infuse your design  
with exquisite  
lighting style**

A close-up, low-angle shot of a modern, white LED light fixture. The fixture features a row of small, clear, dome-shaped lenses that create a rhythmic pattern. The lighting is soft and even, highlighting the clean lines and textures of the fixture against a light, neutral background.

# Aesthetics and precision engineering


Stand out from the crowd with a striking design statement. Lumec outdoor luminaires embody the epitome of sophisticated aesthetics, precision engineering and uncompromising quality, and the next generation Lumec RoadStar LED architectural roadway luminaires are no exception. With two luminaire sizes and a wide range of options, RoadStar luminaires create an unrivaled crossroad of artistic style and high-performance functionality, so your design can make a powerful impact in any outdoor area.



**RoadStar roadway luminaire medium**  
GPLM



**RoadStar roadway luminaire small**  
GPLS



# Capture attention through master craftsmanship



## Timeless yet strikingly unique

The RoadStar luminaire signature style blends timeless contemporary aesthetics with a touch of urban refinement. When installed, the visual journey starts with a statuesque pole reaching into the sky. The path navigates across the mounting bracket to reach its destination at the RoadStar luminaire head, which delivers maximum light levels and distribution uniformity, while dissipating heat to lengthen the luminaire life. The receptacle is recessed to create a seamless look, while the entire light engine is encapsulated in a distinct housing that is not restricted to cobrahead, but in fact, is unique in its own right.

Bring our award winning luminaires into your award winning designs. Among the many honors bestowed upon Lumec luminaires are:

- ADEX
- Next Generation Lighting
- IES Progress Report

# Redefine expectations

RoadStar luminaires are as functional as they are inspiring, thanks to exclusive, robust LEDgine technology. As we constantly redefine industry benchmarks that others follow, LEDgine technology now pushes performance to new heights.



**68%**

**Greater lumen output\***  
than previous RoadStar  
generations



**30%**

**Increase\***  
in lumen  
maintenance



**60%**

**Increase\***  
in efficacy



**7**

**Distribution options**  
for application  
flexibility

\* Based on a comparison of previous RoadStar medium luminaire, cat# GPLM-180W98LED4K-LE2 vs. new RoadStar medium luminaire, cat# GPLM-96L700NW-G2-R2S

GPLM 4 modules



GPLS 1 module



GPLM 5 modules



GPLS 2 modules



**6**

**LED configurations**  
for the perfect  
amount of light

GPLM 6 modules



GPLS 3 modules



# Take control over your space

With a multitude of lumen packages to choose from, RoadStar luminaires allow total control of each individual area of your installation. Select exactly the amount of light you need while maintaining consistency of aesthetics.

Of course, RoadStar luminaires must also remain beautifully functional even in the harshest environments. That's why every luminaire is carefully crafted to completely eliminate dust intrusion and protect against the environment.

All of this, and our advanced thermal management system, means that your illuminated environment remains vivacious, and those in the space feel comfortable and secure, for a very long time

And naturally, power doesn't have to forsake the environment. RoadStar's energy-saving LED technology lets you sustain today for a better tomorrow and can be further enhanced through our stand-alone and connected outdoor lighting solutions (see p.9).



# Achieve a truly one-of-a-kind space

Every project has a distinct vision, and RoadStar was specially created to support your message and inspire an emotional response. Explore our collection, and personalize it to suit your style and project requirements, with:

- Two luminaire sizes – small, with 16,800 lumen output (up to 250W HID replacement); and medium, with 32,924 lumen output (up to 750W HID replacement)
- Seven optical distributions: Type II short, Type II medium, Type III short, Type III medium, Type III wide, Type IV, Type V
- Standard and optional sustainable dimming options along with standard 5-pin and optional 7-pin NEMA receptacles
- Four standard finishes: black, bronze, grey, white
- A wide variety of pole and bracket options



Black (BK)



Bronze (BR)



White (WH)



Grey (GY3)



# The fullest expression of your design essence

RoadStar's versatility extends beyond its available options and features. Contact us for custom colors and other luminaire, pole and bracket solutions to fine tune your lighting design, and shape a truly extraordinary outdoor space.

# Differentiate through sophisticated sustainability



## Savings without sacrifice

With a strong foundation in sustainability, RoadStar luminaires contribute an indelible aesthetic imprint with a small eco-footprint. Our stand-alone and connected outdoor lighting solutions invite further design refinements, enhance energy savings and reduce maintenance.

# Controls



## Luminaire solutions

### Basic. Autonomous. Affordable.

Simple, individual outdoor lighting dimming and management without the need for remote access.

- **Dynadimmer Stand-alone Dimming Profile**

### Dynadimmer

Dynadimmer dims the luminaire's light output according to pre-programmed or customized dimming schedules to reduce light pollution and energy consumption without compromise.



## City solutions

### Advanced. Powerful. Extensive.

Widespread or multi-site lighting management with detailed asset management that can grow along with your needs.

- **Interact City**

### Interact City

Interact City connected lighting system combines asset and lighting management so that you can easily plan, control and manage your entire lighting infrastructure. In addition to reducing energy consumption and adapting to a variety of lighting needs, Interact City evolves in response to your future requirements.



## Optional enhancements:

You can enhance your connected lighting system with the options below.

- **Adjustable Start Up Time (DMG-AST)**
- **Constant Light Output (DMG-CLO)**
- **Over the Life (DMG-OTL)**

## For more information:

Visit us at [signify.com/prolighting](http://signify.com/prolighting) for more on stand-alone and connected outdoor lighting solutions, and select Controls Outdoor, or request our outdoor lighting solutions brochure.

# Service tag



## Making LED maintenance operations easier and faster

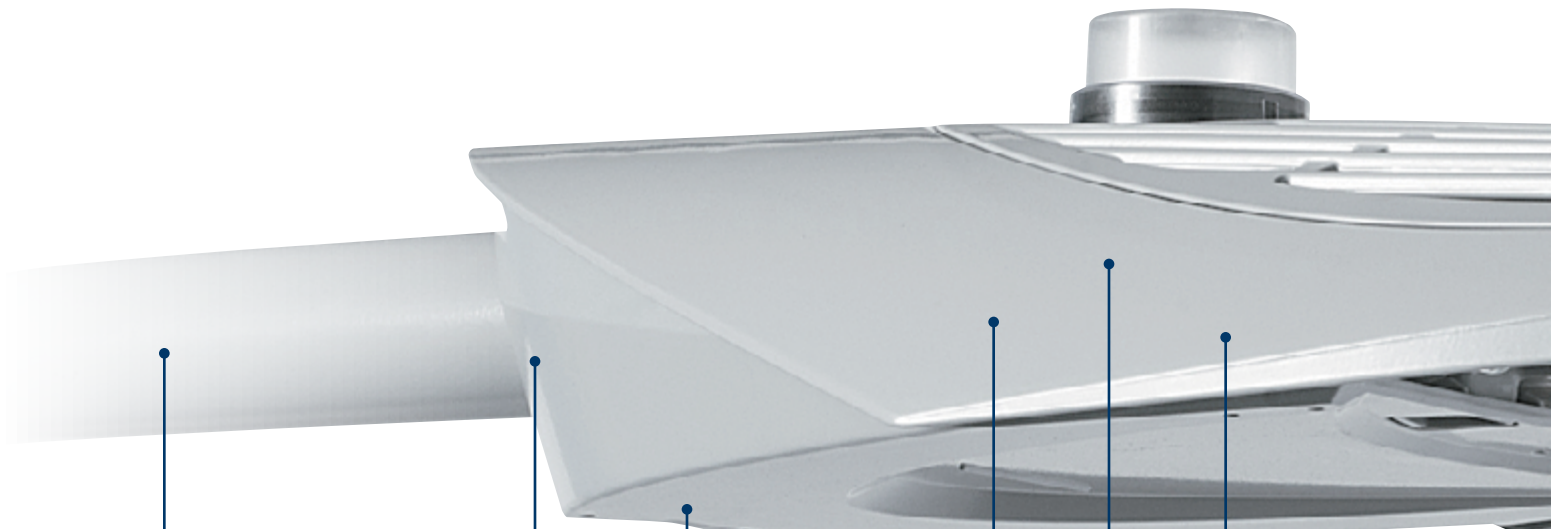
RoadStar LED Cobra Head luminaires come standard with Service tag, a unique QR based identification system placed on products, poles and boxes they are delivered in. After installing the luminaire, simply read the tag from the app to register the product. By registering the product, you are sure Signify will provide support throughout the lifetime of the product.

- Provides easy access to lighting component information at the right time and place.
- Enables more effective maintenance operations by identifying spare parts

[www.philips.com/servicetag](http://www.philips.com/servicetag)

# RoadStar – the details

## GPLS



### Mounting

Fits on a 1.66" (42mm) O.D. (1.25" NPS), 1.9" (48mm) O.D. (1.5" NPS) or 2-3/8" (60mm) O.D. (2" NPS) by 7-3/4" (197mm) minimum long tenon.

### Door latch

Painted stainless steel latch fully integrated to access door allows a tool-less access to components.

### Bird guard

Bird guard installed, seals around tenon, protects against birds and similar intruders.

### Surge protection

Standard SP1 and optional SP2 surge suppressors protect the luminaire.

### Dimming driver

The standard 0-10V dimming driver enables RoadStar to be combined with additional controls, now or in the future.

### Service tag

Includes Service Tag, an innovative way to provide assistance throughout the life of the product.

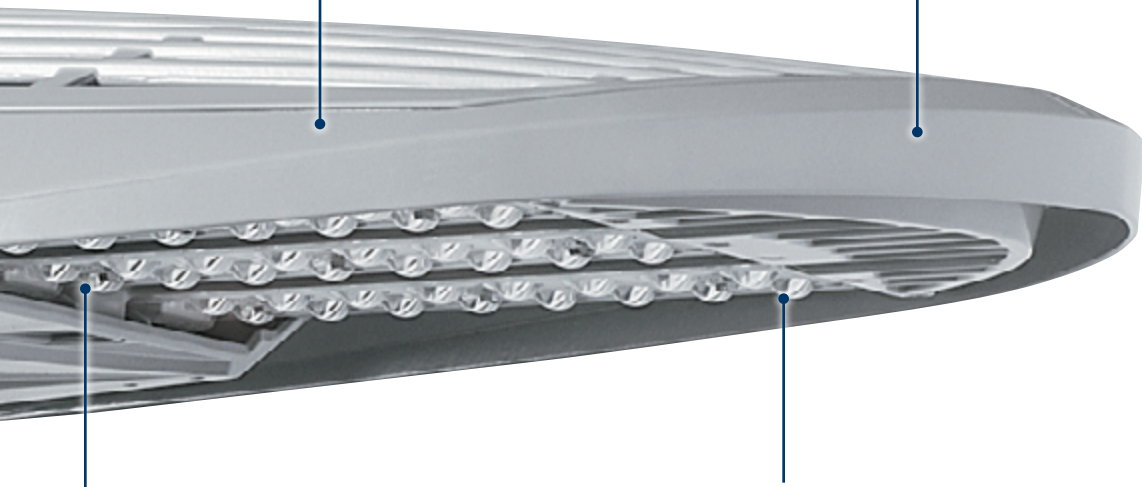


**Die-cast housing**

Rugged, die-cast aluminum housing for maximum durability.

**Finish**

Black, Grey, White, Bronze.



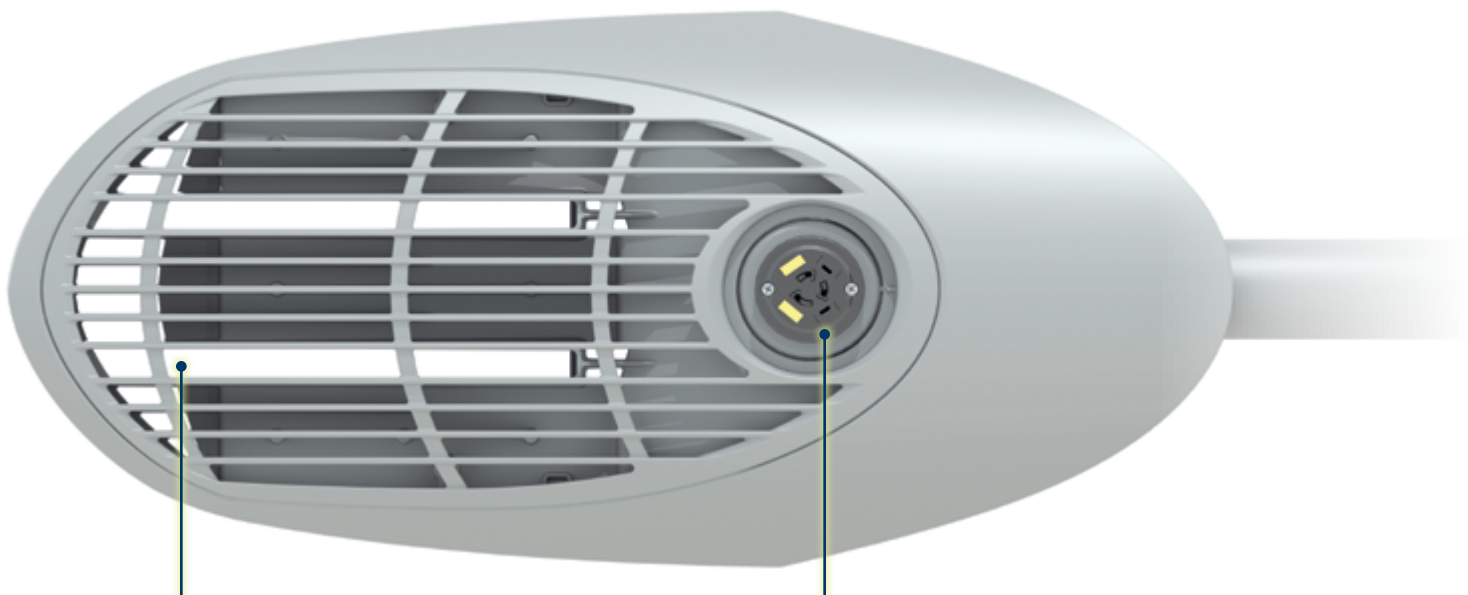
**House side shields**

Optional house side shields provide further glare control and ensure light is only directed where it is needed.



**IP66 Rated light engines**

IP66 sealed light engines protect against dust and moisture so that LED life is extended.



**Thermal management**

Built in the housing, designed to ensure high efficacy and superior cooling by natural convection air flow pattern always close to LEDs and driver, optimizing their efficiency and life.

**Twist-lock receptacles**

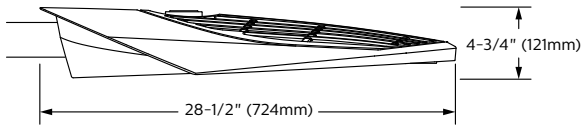
Optional 5-pin and 7-pin NEMA twist lock recessed receptacles facilitate connected lighting solutions that can quickly and easily be upgraded in the future.

## Dimensions

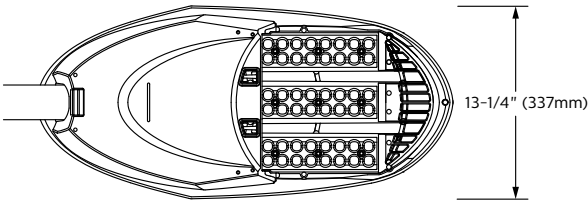
### RoadStar small, GPLS



Side View



Bottom View

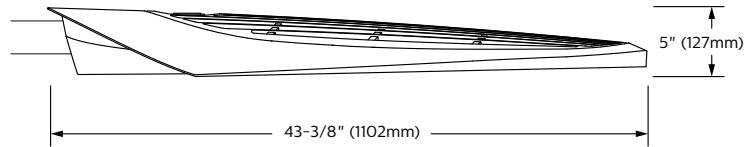


**Weight:** 17.0 lbs (7.7 kg)  
**EPA:** 0.65 sq. ft.

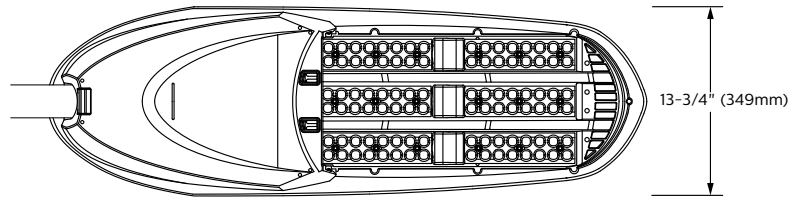
### RoadStar medium, GPLM



Side View

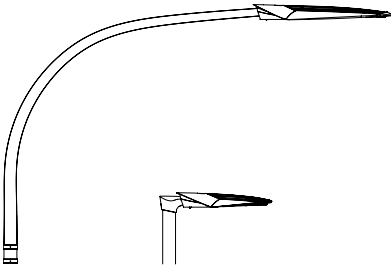


Bottom View



**Weight:** 27.0 lbs (12.3 kg)  
**EPA:** 0.94 sq. ft.

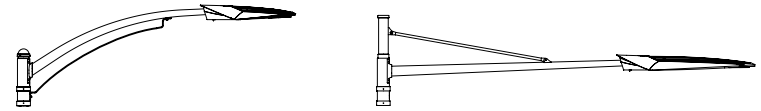
## Mounting



DC6 / DC8

PSA2.375 / PSA3 / PSA4

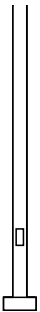
RSAR



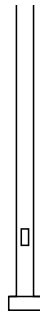
AC4 / AC6 / AC8

PC4 / PC6 / PC8

## Poles



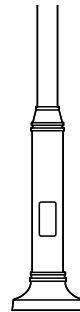
APR4 / SPR4



APR5 / SPR5

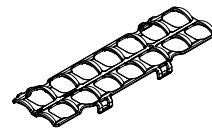


ATR74 / ATR85



SAM8 / SSM8

## Luminaire accessories and options



**HS**  
House Side Shield



**PH8, PH8/347, PH8/480**  
Twist Lock Photoelectric cell



**PH9**  
Shorting Cap

**PHXL**  
Extended life Photoelectric cell

Consult [signify.com/prolighting](http://signify.com/prolighting) for details and the complete line of brackets and poles.

## Ordering guide

example: GPLS-32L700NW-G2-R3M-UNV-RCD-HS-GY3

Series	LED Module <sup>1</sup>	Board Generation	Optical System	Ballast	Driver and Dimming	Luminaire Options	Accessories	Finish
<b>GPLS</b> RoadStar LED roadway luminaire, small	<b>GPLS</b> <i>Neutral White</i> <i>Warm White</i> 16L530NW    16L530WW 16L700NW    16L700WW	<b>G2</b>	<b>R2S</b> Type II short (ASYM) <b>R2M</b> Type II Medium (ASYM) <b>R3S</b> Type III short (ASYM) <b>R3M</b> Type III Medium (ASYM)	<b>UNV</b> 120-277VAC <b>HVU</b> 347-480VAC	<i>Standard:</i> <b>DMG</b> Dimmable driver 0-10V <i>Optional:</i> <b>Dynadimmer</b> Economy Profile <b>CDMGE25<sup>3,4</sup></b> <b>CDMGE50<sup>3,4</sup></b> <b>CDMGE75<sup>3,4</sup></b> Median Profile <b>CDMGM25<sup>3,4</sup></b> <b>CDMGM50<sup>3,4</sup></b> <b>CDMGM75<sup>3,4</sup></b> Safety Profile <b>CDMGS25<sup>3,4</sup></b> <b>CDMGS50<sup>3,4</sup></b> <b>CDMGS75<sup>3,4</sup></b>	<i>Standard:</i> <b>RCD<sup>5</sup></b> Receptacle for twist-lock photocell or shorting cap, 5-pin (standard) <i>Optional:</i> <b>HS</b> House Side Shield, shield, 1 per 16 LED light engine <b>RCD7<sup>5</sup></b> Receptacle for twist-lock photocell or shorting cap, 7-pin (optional) <b>SP2</b> 20kV / 20kA Surge Protector (optional)	<b>PH8</b> Twist-lock Photoelectric Cell, UNV (120-277VAC) <b>PH8/347</b> Twist-lock Photoelectric Cell, HVU (347VAC) <b>PH8/480</b> Twist-lock Photoelectric Cell, HVU (480VAC) <b>PHXL</b> Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC) <b>PH9</b> Shorting cap	<b>BK</b> Black <b>BR</b> Bronze <b>GY3</b> Grey <b>WH</b> White
<b>GPLM</b> RoadStar LED roadway luminaire, medium	<b>GPLM</b> <i>Neutral White</i> <i>Warm White</i> 64L530NW    64L530WW 64L700NW    64L700WW 64L1050NW    64L1050WW 80L530NW    80L530WW 80L700NW    80L700WW 80L1050NW    80L1050WW 96L530NW    96L530WW 96L700NW    96L700WW 96L1050NW    96L1050WW		<b>R3W</b> Type III Wide (ASYM) <b>4</b> Type IV (ASYM) <b>5<sup>2</sup></b> Type V (SYMM)		<b>DALI<sup>3,4</sup></b> Digitally Addressable Lighting Interface <b>DMG-AST<sup>3,4</sup></b> Adjustable Startup Time <b>DMG-CLO<sup>3,4</sup></b> Constant Light Output <b>DMG-OTL<sup>3,4</sup></b> Over The Life <i>*Includes 0-10v dimming</i>			

1. Consult factory for Warm White (3000K) details.
2. Not available with HS option.
3. 347V and 480V not available.
4. Dimming choices: Select either DMG or one of the CDMG options or DALI.
5. Use of photoelectric cell or shorting cap is required to ensure proper illumination.

**Note:** GPLS and GPLM are compatible to accept the Interact City

**Prior to ordering, consult specification sheets on [signify.com/prolighting](http://signify.com/prolighting) for the most current information, notes, and exclusions.**

# Discover functional elegance

See how Lumec RoadStar LED architectural roadway luminaires blend stylish aesthetics and high-performance in your outdoor lighting design. Contact your local Signify Sales Representative or visit [signify.com/prolighting](http://signify.com/prolighting) for more information or to schedule a personalized demonstration.

