

# LUMEC

Reveal your  
resounding  
uniqueness

Roadway

RoadStar





**Infuse your design  
with exquisite  
lighting style**

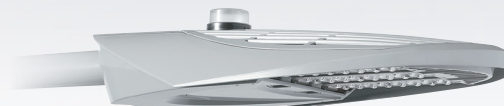
A close-up, low-angle shot of a modern LED light fixture. The fixture is white and features a row of small, clear, dome-shaped lenses. The background is a soft, out-of-focus light blue and white, suggesting an indoor setting. The lighting is bright and even, highlighting the texture and design of the fixture.

# Aesthetics and precision engineering

Stand out from the crowd with a striking design statement. Lumece outdoor luminaires embody the epitome of sophisticated aesthetics, precision engineering and uncompromising quality, and the next generation Lumece 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.



up to **238%**  
Greater lumen output\*  
than previous RoadStar  
generations



**30%**  
Increase\*  
in lumen  
maintenance



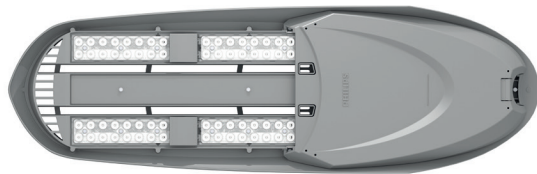
up to **116%**  
Increase\*  
in efficacy



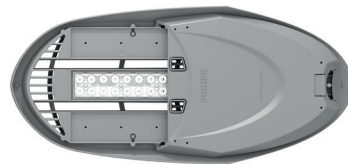
**7**  
Distribution options  
for application  
flexibility

\* Based on a comparison of original RoadStar medium luminaire, cat# GPLM-180W98LED4K-LE2 vs. new RoadStar medium luminaire, cat# GPLM-96L700NW-G3-R2S

GPLM 4 modules



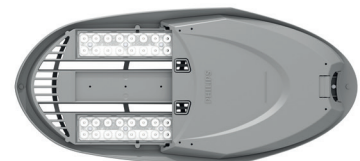
GPLS 1 module



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).

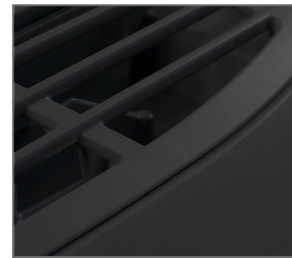




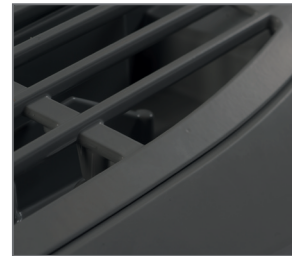
# Achieve a truly one-of-a-kind space

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 20,705 lumen output (up to 250W HID replacement); and medium, with 42,411 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 7-pin NEMA receptacle
- 8 standard finishes: black, bronze, grey, white, smooth or textured
- A wide variety of pole and bracket options



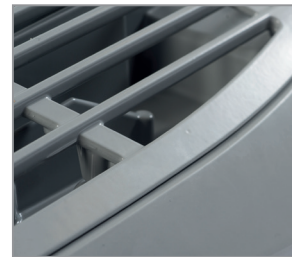
Black (BK)



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.



# Your smart city building blocks

Interact City utilizes powerful software applications which can transform city luminaires into valuable sources of data. You can then share the data you collect with other city management systems to analyze and gain new insights into your operations.



## Lighting asset management

Software that gives you full visibility into your lighting infrastructure. Automatic fault detection alerts you to issues for quick response and minimal downtime. Data can be used to make informed decisions and optimize lighting performance. Manage lighting-related workflows from an intuitive application and view data from a centralized dashboard.



## Energy optimization

Optimize street lighting performance and accurately measure energy usage in real-time. Full control of your city lighting lets you make progress toward your sustainability goals and lower energy usage and costs. Those savings can be reinvested into other areas of your city's infrastructure.



## Scene management

Remotely adapt city lighting to suit time of night, season, or event. Turn lighting up if there's a traffic incident or a crime. Dim to 30% when the streets are empty late at night. Use sensors on the light poles to detect activity, keeping your citizens safe and comfortable – easily turning parks and plazas into livable spaces.



## Sensors

Outdoor sensors which detect motion/presence, tilt, vibration, ambient temperature, noise and others, can be attached to a luminaire fitted with the ZHAGA Book 18 push-and-twist lock socket interface. Sensing functions can be remotely configured and data can also be sent directly to the Interact City application. Turn every street light luminaire into a city sentinel.

## 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.

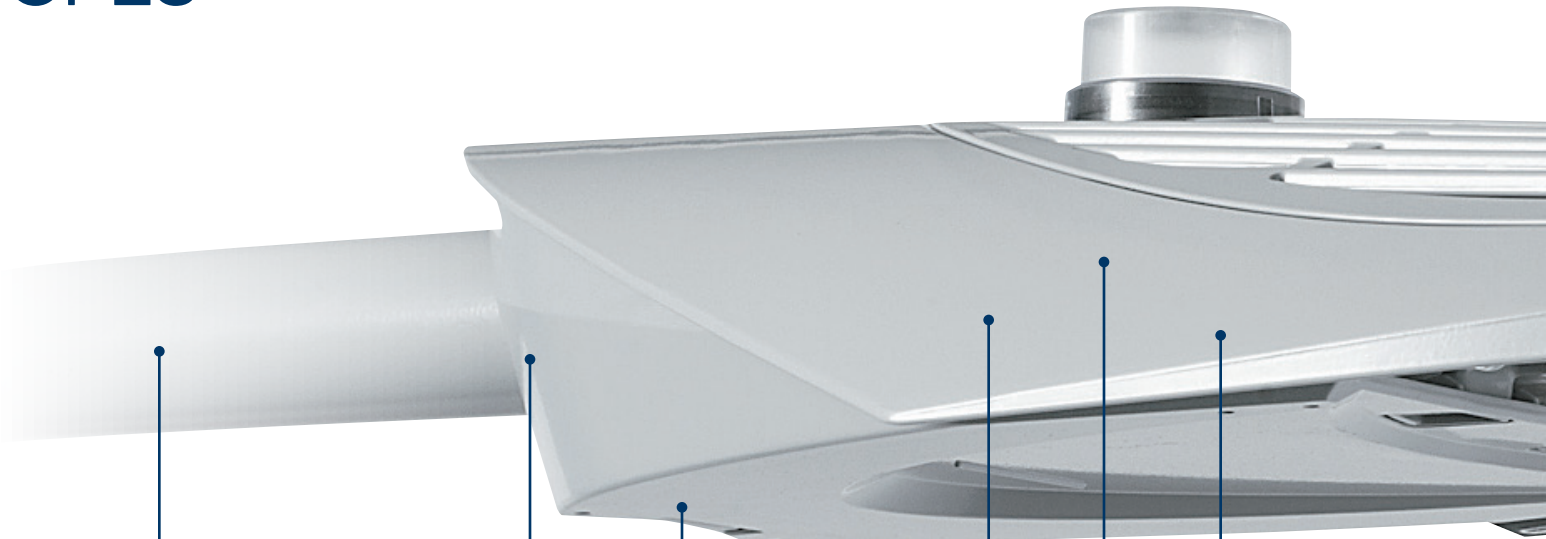
- Provides easy access to lighting component information at the right time and place.
- Enables more effective maintenance operations by identifying spare parts

[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.

### Surge protection

Standard SP1 and optional SP2 surge suppressors protect the luminaire.

### Bird guard

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

### Dimming driver

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



### Outdoor Multisensor (optional)

Enables advanced adaptive lighting management and environmental monitoring sensors. Motion detection, temperature and noise levels can all be monitored.



### Sensor Ready (optional)

Optional D4i and SR drivers add flexibility for connecting now or in the future. D4i driver requires Zhaga socket (TLRSR). Socket ships with a protective cap as shown on the left.

### Service tag

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



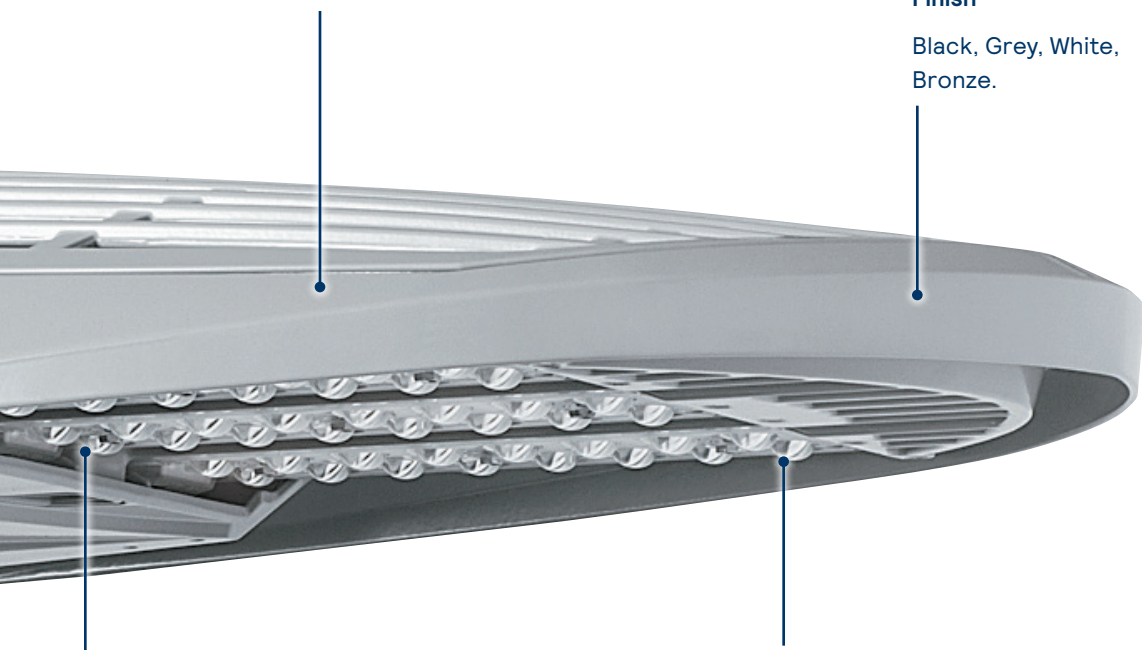
RoadStar  
 .....  
 Roadway  
 .....  
 Features  
 .....

**Die-cast housing**

Rugged, die-cast aluminum housing for maximum durability.

**Finish**

Black, Grey, White, Bronze.



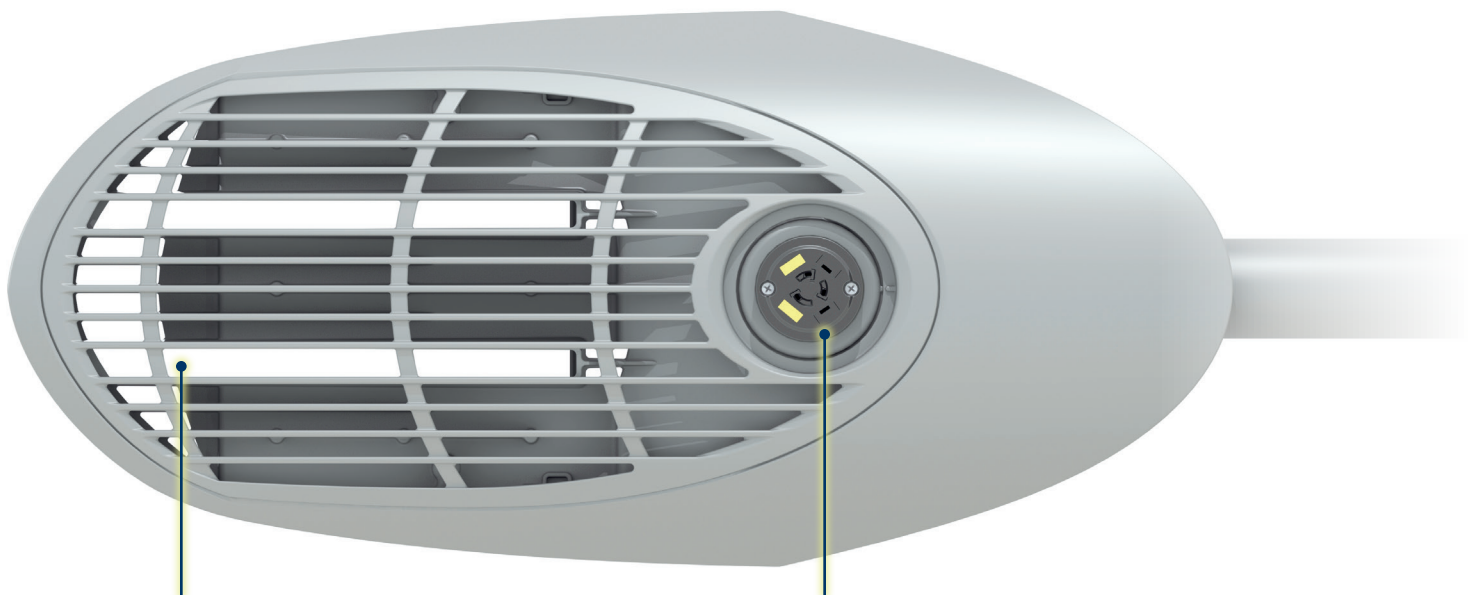
**House side shields**

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



**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.

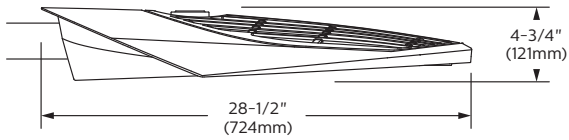


## Dimensions

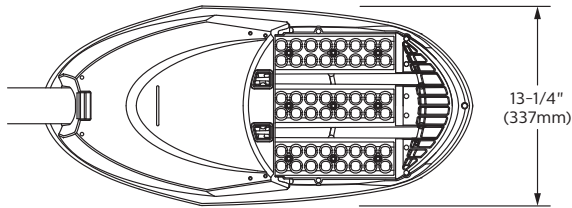
### RoadStar small, GPLS



Side View



Bottom View

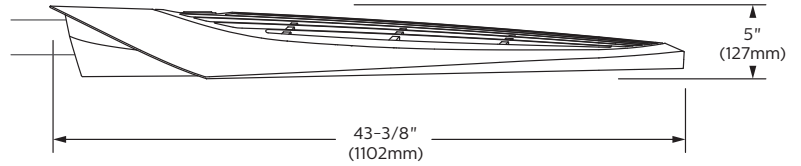


Weight: 17.0 lbs (7.7 kg)  
EPA: 0.65 sq. ft.

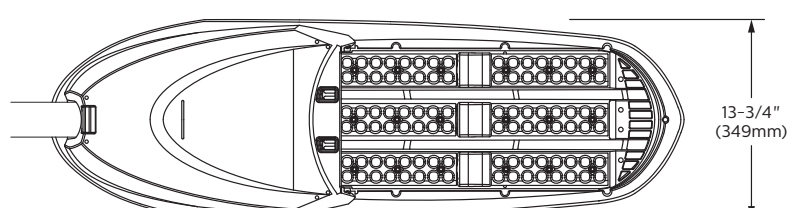
### RoadStar medium, GPLM



Side View

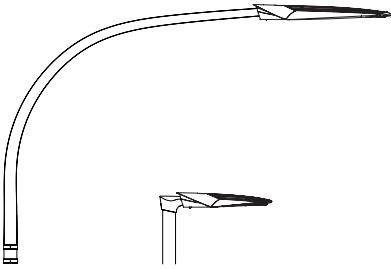


Bottom View

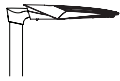


Weight: 27.0 lbs (12.3 kg)  
EPA: 0.94 sq. ft.

## Mounting



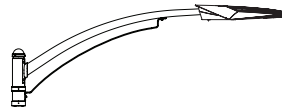
DC6 / DC8



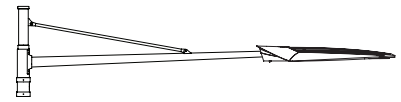
PSA2.375 / PSA3 / PSA4



RSAR



AC4 / AC6 / AC8



PC4 / PC6 / PC8

## Poles



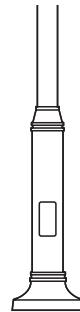
APR4 / SPR4



APR5 / SPR5

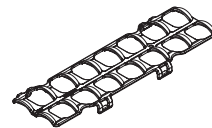


ATR74 / ATR85



SAM8 / SSM8

## Luminaire accessories and options



HS  
House Side Shield



PH8, PH8/347, PH8/480  
Twist Lock Photoelectric cell  
PHXL  
Extended life Photoelectric cell



PH9  
Shorting Cap

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

# 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](https://www.signify.com/prolighting) for more information or to schedule a personalized demonstration.



# GENLYTE SOLUTIONS

a ignify business

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