

LUMEC

by  Signify

Above all,
maximizing
efficiencies
with light

Roadway

HighFocus gen 2





Elevate your freedom

You already know that LED technologies can significantly reduce energy usage and lighting-related energy costs, but, did you know that the right LED high mast luminaire can also be a low-maintenance solution that reduces labor and maintenance time too? Introducing Lumec HighFocus LED high mast luminaires – the high-performing, low-maintenance high mast solution that provides managers and work crews with the freedom to focus on other tasks.

HighFocus LED high mast luminaires help to reduce lighting-related energy costs compared to HID technologies, while meeting or exceeding code requirements. Their long life, backed by industry leading 10-year limited warranty and Luminaire Useful Life rating, means that maintenance time and related costs are also reduced. With among the highest lumen output in the market today (as much as 50% higher than other leading brands), you may be able to significantly reduce the number of luminaires on each pole without compromising on light quality or a sense of security for those in the area.

A tall, slender street lamp stands prominently in the center of the frame, its top glowing with multiple lights. The background is a deep, dark blue night sky. In the lower half of the image, a concrete highway interchange curves across the scene, supported by pillars. Several green trees are scattered throughout the lower portion, some partially illuminated by the street lights. The overall scene is a nighttime urban or highway setting.

**The savings
– money and
time – really
add up with
HighFocus**

LUMEC

Your crews spend less time on maintenance and repair

Luminaire Useful Life vs. Lumen maintenance

Not all high mast luminaires are built to the same standards. Some manufacturers base their rated life on a small portion of the overall luminaire – only the LED lumen maintenance data. HighFocus luminaires measure LED lumen maintenance as well as LED life, driver life, on/off cycles, burn

hours, corrosion considerations, light engine PCB substrate, solder joints and more. This provides confidence that the entire HighFocus luminaire will consistently perform today and far into the future with extended lumen maintenance and fewer trips needed for luminaire service.

Project a guiding light



Motorists aren't inconvenienced by frequent servicing

HighFocus benefits also extend to those using the space while helping you to project a sustainable image. The long LED life means that drivers and others within the space aren't frequently inconvenienced by maintenance-related lane or area closures. Consistent and uniform light levels, from HighFocus's specially-designed discrete LED optics mean that anyone can confidently navigate the well-lit area with ease.

Scalable solutions for local challenges

HighFocus LED luminaires are scalable, so you can customize your high mast solution to maximize your energy saving benefits. They provide reliable and uniform LED illumination ranging from 400 to 1000W HID replacement, while exceeding the performance of traditional lighting technologies.

- Eight lumen packages available providing up to 113,875 lumens
- Superior uniformity enhances visibility
- Precision optics direct more lighting to the roadway
- No uplight (U0 rating)



With fewer luminaires to maintain, you have even more time

Freeway

Luminaire Qty: 4
Distribution:
Type II (2)

Cloverleaf

Luminaire Qty: 5
Distribution:
Type V (5M)

Note: The luminaires and optical distributions shown are examples. Confirm which HighFocus is right for you using a photometric layout of your application.

Switching your HID high mast luminaires to HighFocus LED not only saves energy and operating costs, it allows you to achieve comparable photometric performance while cutting your luminaire quantity in half.*

This means you have fewer luminaires to maintain, allowing you to do more with less by simply switching to HighFocus.

up to

50%

Fewer luminaires*
than existing HID

* Based on photometric comparison of (8) 400W HPS Type 2 luminaires versus (4) HFL-184L1050NW-G2 and (10) 400W HPS Type 5 luminaires versus (5) HFL-184L1050NW-G2 HighFocus LED luminaires.

HighFocus high mast luminaires

1 Service tag

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



2 IP65 Rated compartment

Electrical compartment is IP65 sealed with pre-installed gasket to protect electrical components and terminal block against dust and moisture, increasing reliability and extending product life.

3 Dimming driver

Dimming driver (0-10V) is standard, enabling HighFocus to be combined with additional controls, now or in the future.

4 Surge protection

Standard SP1 and optional SP2 surge suppressors protect the luminaire.

5 Mounting

2-3/8" O.D. (2" NPS) x 5-1/2" long tenon

6 IP66 Rated light engines

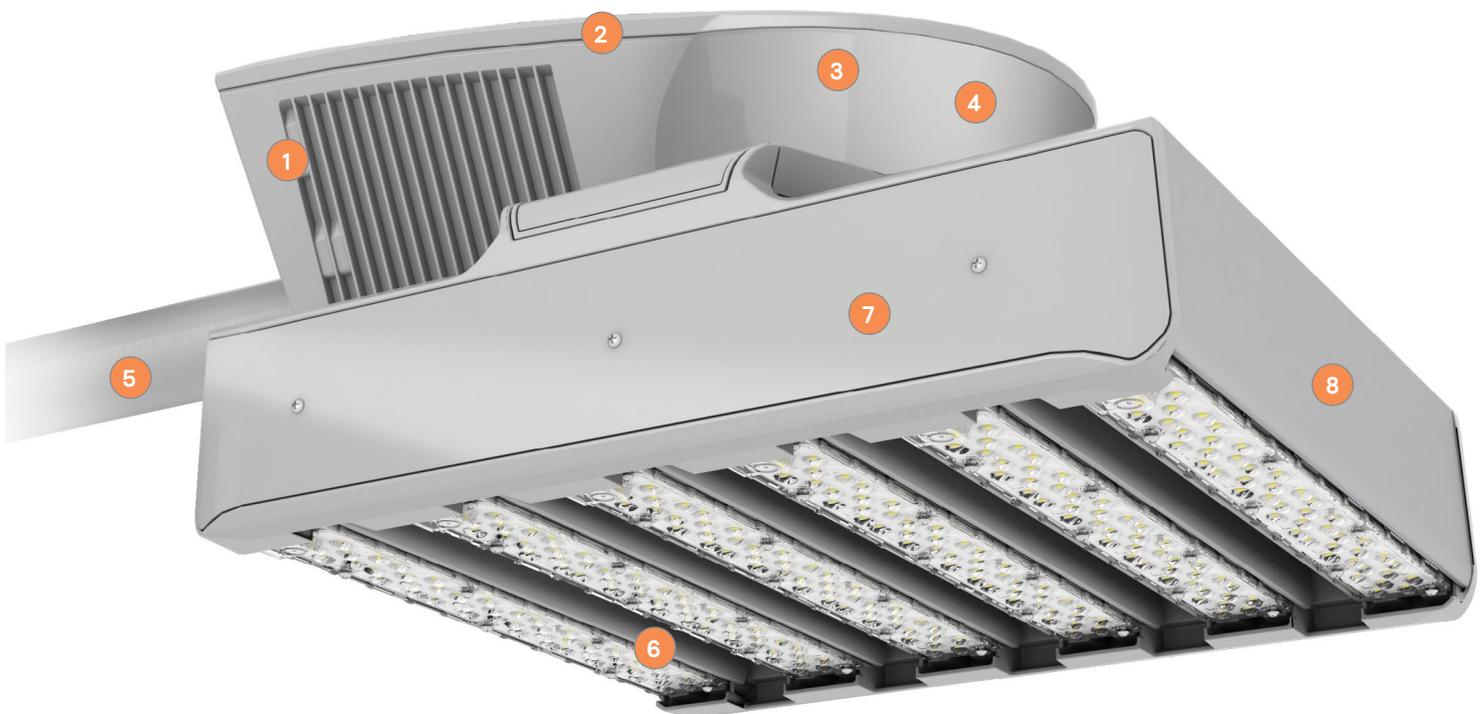
Reliable light engines are IP66 sealed to protect against dust and moisture so that LED life is extended.

7 Die-cast housing

Rugged, die-cast aluminum housing for maximum durability.

8 Finish

Black, Gray, Bronze



9 Twist-lock receptacles

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



10 Bird guard

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

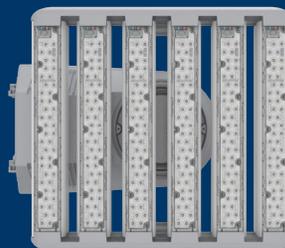
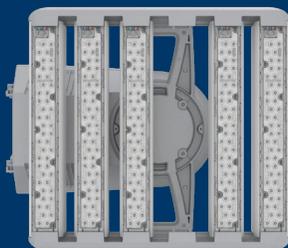
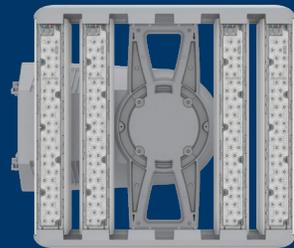
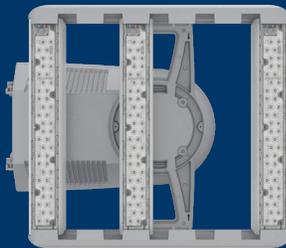
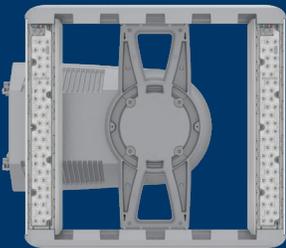


11 Rotatable optics

Entire optical assembly rotatable, enabling alignment of asymmetric optics parallel with roadway (as shown) to optimize optical performance.

LED Modules

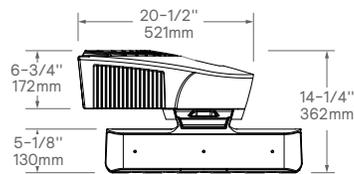
2 to 6 LED modules providing 15 different lumen packages



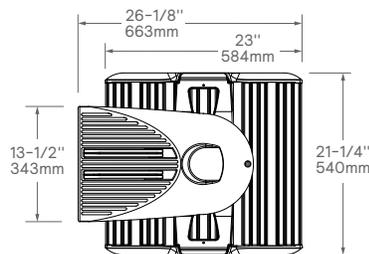
Technical information

Dimensions

Side view



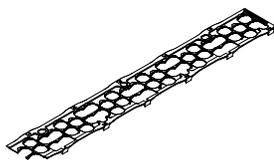
Bottom view



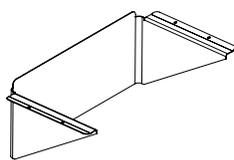
Weight - 2 Modules: 44 lbs / 20.0 kg
 3 Modules: 51 lbs / 23.2 kg
 4 Modules: 59 lbs / 26.8 kg
 5 Modules: 67 lbs / 30.4 kg
 6 Modules: 75 lbs / 34.1 kg

EPA - 1.89 sq. ft.

Luminaire Options



HIS
Internal house side shield



HS
External house side shield



PH8
Photocell



PHXL
Photocell,
extended life



PH9
Shorting cap

F1
Single fuse

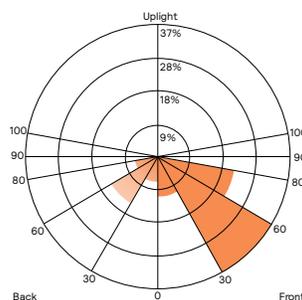
F2
Double fuse

F3
Canadian double pull fuse

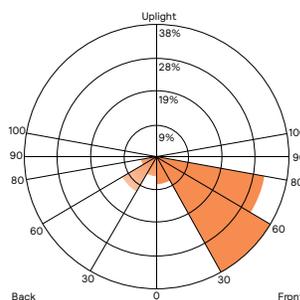
Optical distributions

HighFocus offers many different optical distributions, providing the flexibility you need for all of your various roadway lighting needs. Plus, all optical distributions have a U0 rating which means no uplight - all of the lighting is directed downward on the roadway where it is needed.

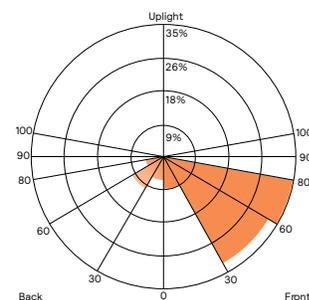
Type II (2)



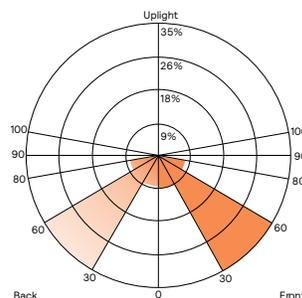
Type III (3)



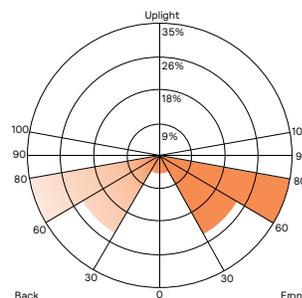
Type IV (4)



Type V (5M)



Type V (5W)



Note: The optical distributions shown are examples of the HFL-276L1050NW-G2. Consult HighFocus IES files for specific performance criteria.

Service tag

HighFocus LED high mast 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 scan the tag from the app to register the product. By registering the product, you are sure we 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



Controls



City solutions

Advanced. Powerful. Extensive.

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

- HighFocus LED High Mast luminaires will be shipped controls ready when you select 7-pin receptacle option; 0-10V dimming driver is standard. Contact your local Sales Representative for more information and for help with putting together the entire system solution.

For more information on controls

Visit us at lightingproducts.signify.com for more on stand-alone and connected outdoor lighting solutions, and select Controls Outdoor, or request our outdoor lighting solutions brochure.

Need other utility-friendly luminaires?

Signify understands the diverse needs of utility companies and the pressures you face to provide a reliable solution that will satisfy your customers' demands. Choose us, and make your job easier.

With a full portfolio of utility products and reliable industry brand names like Lumec, Gardco, and Hadco, Signify has a solution for all of your utility lighting needs. All of these high efficiency LED products are designed with the latest technology, are future proof with controls options and compatibility, and offer a broad range of lumen output and mounting options.



RoadFocus



Roadway Security Light (RSL)



DuraForm



TunnelView



TownView



MetroScope

See how Lumec HighFocus LED high mast luminaires can provide a complete solution for your roadway lighting needs.

Contact your local Sales Representative or visit signify.com/prolighting for more information or to schedule a personalized demonstration.

