

The logo for LiteMagic, with 'Lite' in white and 'Magic' in yellow, set against a background of a city street at night with light trails and streetlights.

LiteMagic

Strive for better lighting environment

**Road
Lighting**

Light Magic Street

Get your city ready for the future with **LiteMagic**

Developed with the aim to become your long-term partner, the system ready architecture enables you to enjoy the benefits of connected lighting systems today and gets the city ready for the innovations to come.

It is designed to achieve better light uniformity and maximum spacing between poles for both pedestrian and vehicle road applications. With its die-cast aluminum housing and LiteMagic LED platform, it is easy to maintain, has a long lifetime and a consistency you can count on. It also offers 2 housing sizes and a range of beam optics to fully cater to different road configurations and conditions.

Offers up to 50% energy savings compared to conventional lamp systems, making it the perfect sustainable lighting solution for any emerging metropolis.



Benefits

- Up to 50% energy savings. Uses significantly less energy than conventional street lighting solutions
- Ease of maintenance. Tool-less opening of gear compartment.
- Long System lifetime. Modern design, die-cast housing (IP66) with excellent thermal management.

Features

- World class, approbated quality components (LEDs / Driver / etc.)
- Superior performance delivered through different optics for greater flexibility to fit different road applications
- Control options for standalone or Tele-managed controls
- High quality cool, neutral & warm white light with high color consistency

Applications

- Main roads, Arterial roads, Secondary roads (complying with CIE standards using different optic options for typical scenarios)
- Traffic routes and main access roads
- Urban and residential areas

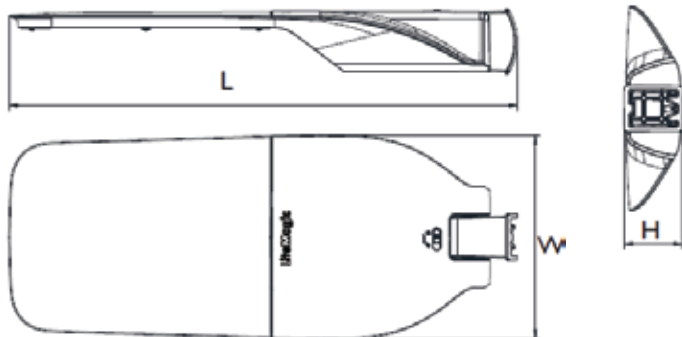


Take the Next Step

See how LiteMagic can address your road lighting needs with Interact City. Contact your local Signify Sales Representative for more information or to schedule a personalized demonstration.

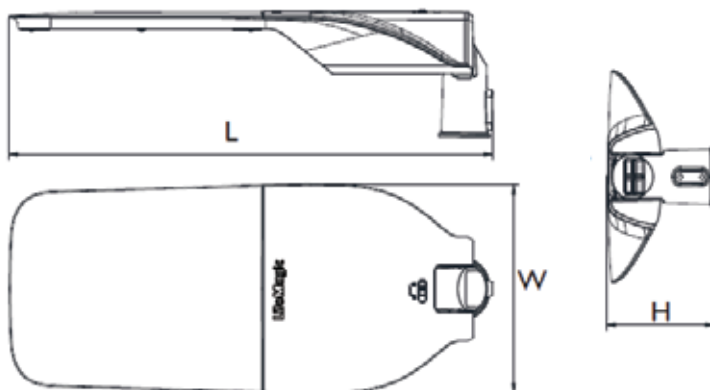
Dimensions

Product Size - side entry version



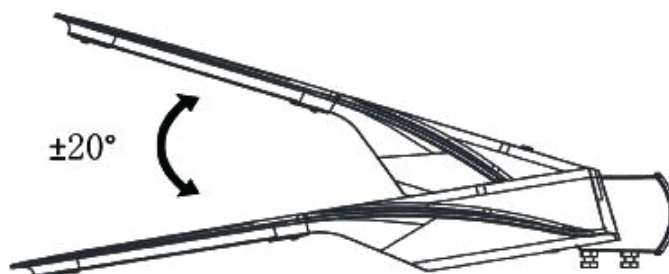
type	L	W	H
BRP499 (M)	719	367	111
BRP499 (L)	1012	364	115

Product size - Post top version



type	L	W	H
BRP499 (M)	719	367	111
BRP499 (L)	996	364	221

Adjustable tilt angle



Product data

General Characteristics

Type	BRP499
Lifetime(Reported)	60,000 hours (L70 50°C Ta)
Optics	DME,DWE,DWP,DM,DC,DK,DN, DRW,T3ML,T3WL,DNE and others
Luminous Efficacy	~140 lm/w (Typical)

Light Technical Characteristics

Light source	LED
LED driver	Constant current or programmable driver options
System lumen output	Up to 35000 lumens*
Color rendering index	Minimum 70
Color Temperature	CW 5700K / NW 4000K / WW 3000K

Electrical Characteristics

Power requirement	220-240V 50/60Hz
Power factor	> 0.95 (nominal power)
Drive current	200mA - 700mA

Environmental Characteristics

Installation	Φ42-60mm pole, side entry
Windage area	BRP499(M):0.2 ² ; BRP499(L):0.3 ² ;
Working temperature	- 40°C < Ta <= 50°C
Wind force	Up to 60m/s
Relative humidity	Up to 95%RH

Mechanical

Housing material	High pressure die-cast aluminum
Gasket material	Heat resistant silicone rubber
Glass	Tempered glass
Finishing	Gray Paint RAL7040 (Other colors available on request)

Product Data

Dimensions	BRP499(M): 719 x 367 x 111mm BRP499(L): 1012 x 364 x 115mm
Weight	BRP499(M): 8.6kg; BRP499(L): 13.8kg;
Certifications	CB, IEC60598, ENEC, EMC, LM84, LM82, LM79 ISTMT(under UL1598 worst case scenario) 3G Vibration (other certifications on request)
Ratng	IP66; IK08; Class I or II
Surge protection	SPD 15kV/kA (default)
Control	Standalone, multiple dimming & control options compatible with (0-10V, coded mains, DALI, city touch & Interact city).
Control Interface	Future proof design, 7-Pin NEMA & SR socket options
Maintenance	Tool-less access for gear compartment

Product Configurations/ Ordering information

“12NC on request”

BRP499 LED47/NW 36W 220-240V DME P7T
BRP499 LED58/NW 45W 220-240V DME P7T
BRP499 LED69/NW 53W 220-240V DME P7T
BRP499 LED79/NW 60W 220-240V DME P7T
BRP499 LED90/NW 70W 220-240V DME P7T
BRP499 LED102/NW 78W 220-240V DME P7T
BRP499 LED114/NW 85W 220-240V DME P7T
BRP499 LED124/NW 95W 220-240V DME P7T
BRP499 LED133/NW 102W 220-240V DME P7T
BRP499 LED145/NW 110W 220-240V DME P7T
BRP499 LED155/NW 118W 220-240V DME P7T
BRP499 LED165/NW 127W 220-240V DME P7T
BRP499 LED175/NW 135W 220-240V DME P7T
BRP499 LED 189/NW 144W 220-240V DME P7T
BRP499 LED200/NW 155W 220-240V DME P7T
BRP499 LED210/NW 163W 220-240V DME P7T
BRP499 LED221/NW 171W 220-240V DME P7T
BRP499 LED231/NW 179W 220-240V DME P7T
BRP499 LED242/NW 187W 220-240V DME P7T
BRP499 LED252/NW 195W 220-240V DME P7T
BRP499 LED262/NW 204W 220-240V DME P7T
BRP499 LED255/NW 198W 220-240V DME P7T
BRP499 LED265/NW 206W 220-240V DME P7T
BRP499 LED275/NW 214W 220-240V DME P7T
BRP499 LED284/NW 222W 220-240V DME P7T
BRP499 LED293/NW 229W 220-240V DME P7T
BRP499 LED302/NW 235W 220-240V DME P7T
BRP499 LED311/NW 243W 220-240V DME P7T
BRP499 LED320/NW 250W 220-240V DME P7T

LifeM Magic

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