

PHILIPS

Road Lighting

RoadCharm

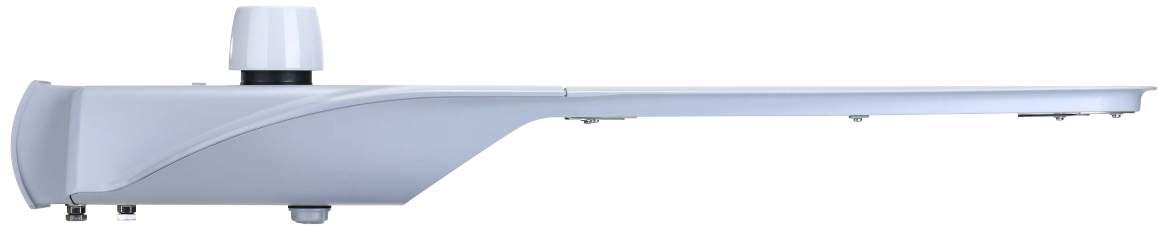


Get your city ready for the future with **RoadCharm**

Developed with the aim to become your long term partner, the system ready architecture of RoadCharm enables you to enjoy the benefits of connected lighting systems today and also 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 Philips 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.

RoadCharm offers 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 & gear tray replacement.
- **Long fixture lifetime.** Solid die-cast housing design with Ingress (IP) and Surge protection.
- **Long system lifetime.** Excellent thermal management that reduces early failures.



Features

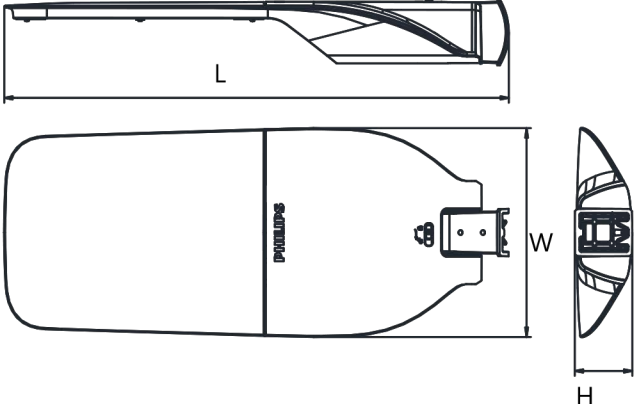
- World class, approbated quality components (LEDs / Driver / etc.)
- Superior W/m² performance delivered through different optics for greater flexibility to fit different road applications
- Control options for standalone or Tele-managed controls
- High quality cool, neutral & warm white light with high color consistency

Applications

- Pedestrian category roads
- Vehicle category roads
- Traffic routes and main access road
- Urban and residential area
- Smart City Integration

Dimensions

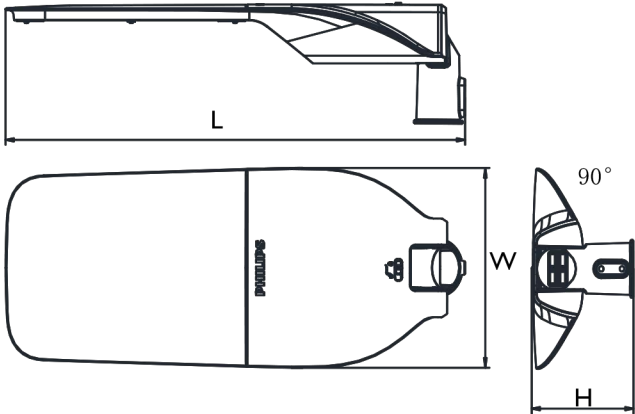
Product size – side entry version



Type	L	W	H
BRP471	719	367	111
BRP472	1012	364	115

Unit: mm

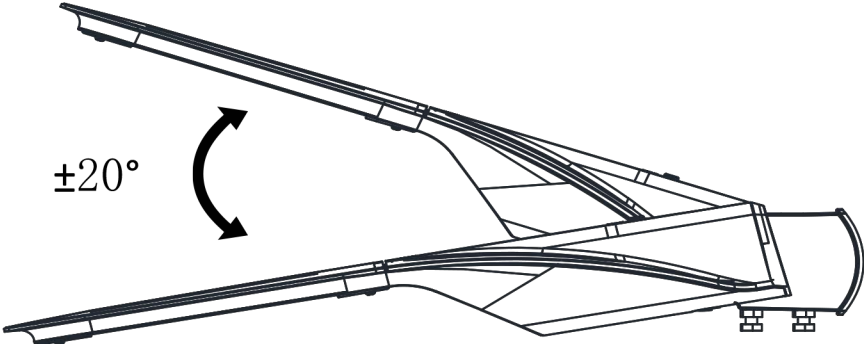
Product size – post top version



Type	L	W	H
BRP471	719	367	196
BRP472	996	364	221

Unit: mm

Adjustable tilt angle



Product data

General Characteristics

Type	BRP471/472
Lifetime	100,000 hours (L70 35C Ta)
Optics	DME,DWE,DWP,DM,DC,DK,DN, DRW,T3ML,T3WL,DNE, DWV H and others

Luminous Efficacy	130 lm/w (Typical)
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Light Technical Characteristics

Light source	LED
LED driver	Programmable driver options, SR/ Zhaga Book 18/Dali 2.0
System lumen output	Up to 35,000 lumen
Color rendering index	Minimum 70
Color Temperature	NW-4000K / WW-3000K ± 500K

Electrical Characteristics

Power requirement	220-240V 50/60Hz
Power factor	> 0.95 (nominal power)
Drive current	100mA - 700mA

Environmental Characteristics

Installation	Φ42-60mm pole, side entry
Windage area	BRP471:0.23m ² ; BRP472:0.32m ² ;
Mounting height	<12m
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

Product Data

Dimensions	BRP471 : 719 x 367 x 111mm BRP472 : 1012 x 364 x 115mm
Weight	BRP471 : 8.6kg; BRP472 : 13.8kg;
Certifications	CB IEC 60598, CQC, AS/NZS 60598-2-3 IP66; IK08; Class I & II; CE, RoHS
Surge Protection	15kV/15kA (10kV option on request)
Control Options	Standalone dimming, CityTouch and other Outdoor Lighting Control compatible
Socket options	7-Pin NEMA Top; SR socket Top; Nema Top/SR Bottom; SR Top/SR Bottom
Maintenance	Tool-less opening of gear compartment Tool-less gear tray replacement
Ordering	BRP471 LED 47/NW 36W 220-240V DME BRP471 LED 58/NW 45W 220-240V DME BRP471 LED 69/NW 53W 220-240V DME BRP471 LED 79/NW 60W 220-240V DME BRP471 LED 90/NW 70W 220-240V DME BRP471 LED 102/NW 78W 220-240V DME BRP471 LED 114/NW 85W 220-240V DME BRP471 LED 124/NW 95W 220-240V DME BRP471 LED 133/NW 102W 220-240V DME BRP471 LED 145/NW 110W 220-240V DME BRP471 LED 155/NW 118W 220-240V DME BRP471 LED 165/NW 127W 220-240V DME BRP471 LED 175/NW 135W 220-240V DME BRP472 LED 189/NW 144W 220-240V DME BRP472 LED 200/NW 155W 220-240V DME BRP472 LED 210/NW 163W 220-240V DME BRP472 LED 221/NW 171W 220-240V DME BRP472 LED 231/NW 179W 220-240V DME BRP472 LED 242/NW 187W 220-240V DME BRP472 LED 252/NW 195W 220-240V DME BRP472 LED 262/NW 204W 220-240V DME BRP472 LED 273/NW 212W 220-240V DME BRP472 LED 283/NW 220W 220-240V DME BRP472 LED 293/NW 228W 220-240V DME BRP472 LED 303/NW 236W 220-240V DME BRP472 LED 313/NW 244W 220-240V DME BRP472 LED 323/NW 252W 220-240V DME BRP472 LED 333/NW 260W 220-240V DME BRP472 LED 342/NW 268W 220-240V DME Others available on request

