



# Get your city ready for the future with RoadCharm.

## 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 a maximum spacing between poles for both pedestrian and vehicle road applications. With its die-cast aluminium housing and Philips LED platform, it is easy to maintain, has a long lifetime and a consistency you can count on. It also offers two 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

- Robust & Reliable with a long service lifetime
- Elegant finless design
- System ready design
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information.

### Features

- Best in class efficiency and light performance in a broad range of applications.
- Long service lifetime 100Khrs L70B10 @Ta 35°C
- System ready option with SR(Zhaga) and 7Pin NEMA socket options.
- Surge protection up to 15kV.

Application

- Pedestrian category roads (P1-P6)
- Vehicle category roads (M1-M6)
- Traffic routes and main access road
- Urban and residential area

Specifications

Material	Housing: die-cast aluminiumOptic: polycarbonateOptic cover: glass
Light Source	3030 LEDHigh Power LED
Installation	Side entry 42-60mmPost Top 76mmTilting angle: +20D to -20D
Luminous flux	System flux up to 37800lm
Correlated color temperature - CCT	5700K4000K3000K2700K2200K
Luminaire efficacy	4000K: 140lm/W
Color Rendering index - 70 CRI	

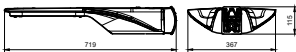
Power	up to 280W
Mains Voltage	220-240V / 50-60HzOptional 120-277V / 50-60Hz
Control system input	DALI / 1-10V / D4i
Dimming	PSR: 1-10VPSD: DALIPSC: Coded mainsSPRD: 1-10V, Step dimming, AOCSR: D4i
Operating Temperature range	-40 to +50C Ta
Ingress protection	IP66
Certification	IECEE CB, CE, CQC, RCM, D4i

Versions



BRP472 LED

Dimensional drawing



Product details



BRP47 side back



BRP47 side



BRP47 back

### General Information

CE mark	CE mark
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No

### Light Technical

Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Optical cover type	Polycarbonate micro lens optic
Color rendering index (CRI)	>70
Standard tilt angle posttop	-

### Controls and Dimming

Dimmable	No
----------	----

### Mechanical and Housing

Housing Color	Gray
---------------	------

### Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP66
Surge Protection (Common/ Differential)	Luminaire surge protection level until 15 kV differential mode and 15 kV common mode

### Light Technical

Order Code	Full Product Name	Luminous Flux
911401661405	BRP472 LED 221/NW 171W 220-240V DME	22,100 lm
911401657805	BRP471 LED 47/NW 36W 220-240V DME	4,700 lm
911401658105	BRP471 LED 79/NW 60W 220-240V DME	7,900 lm
911401658205	BRP471 LED 90/NW 70W 220-240V DME	9,000 lm
911401659005	BRP471 LED 175/NW 135W 220-240V DME	17,500 lm

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401661405	BRP472 LED 221/NW 171W 220-240V DME	171 W
911401657805	BRP471 LED 47/NW 36W 220-240V DME	36 W
911401658105	BRP471 LED 79/NW 60W 220-240V DME	60 W

Order Code	Full Product Name	Power Consumption
911401658205	BRP471 LED 90/NW 70W 220-240V DME	70 W
911401659005	BRP471 LED 175/NW 135W 220-240V DME	135 W

