



# RoadCharm

## BRP471 LED 102/NW 78W 220-240V DME

RoadCharm, 10200 lm, 78 W, 740 neutral white, Safety class I, Side-entry for diameter 48 to 60 mm

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.

### Product data

General Information		Color rendering index (CRI)		>70
Light source replaceable	No	Light source color	740 neutral white	
Driver included	Yes	Optical cover type	Polycarbonate micro lens optic	
Light source engine type	LED	<b>Operating and Electrical</b>		
CE mark	CE mark	Input Voltage	220 to 240 V	
Flammability mark	For mounting on normally flammable surfaces	Line Frequency	50 or 60 Hz	
ENEC mark	-	Power Consumption	78 W	
<b>Light Technical</b>		Power Factor (Fraction)	0.9	
Luminous Flux	10,200 lm	Connection	Mains outlet socket	
Standard tilt angle posttop	-	Cable	-	
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	130 lm/W			

# RoadCharm

## Temperature

Ambient temperature range	-40 to +50 °C
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## Controls and Dimming

Dimmable	No
Control interface	-
Constant light output	No

## Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Gray
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Ball, globular
Optical cover finish	Clear
Overall length	719 mm
Overall width	367 mm
Overall height	111 mm
Effective projected area	0.23 m <sup>2</sup>
Dimensions (Height x Width x Depth)	111 x 367 x 719 mm

## Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 15 kV differential mode and 15 kV common mode
Protection class IEC	Safety class I

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM < 5
Power consumption tolerance	+/-10%

## Product Data

Order product name	BRP471 LED 102/NW 78W 220-240V DME
Full product name	BRP471 LED 102/NW 78W 220-240V DME
Full product code	911401658305
Order code	01658305
Material Nr. (12NC)	911401658305
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

## Dimensional drawing

