PHILIPS

Lighting



RoadCharm

BRP472 LED 283/NW 220W 220-240V DME

RoadCharm, 28300 lm, 220 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 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.

Product data

General Information	
Light source replaceable	No
Driver included	Yes
Light source engine type	LED
CE mark	CE mark
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-

Light Technical	
Luminous Flux	28,300 lm
Standard tilt angle posttop	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	130 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Polycarbonate micro lens optic

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Power Consumption	220 W
Power Factor (Fraction)	0.9
Connection	Mains outlet socket
Cable	-

RoadCharm

Temperature	
Ambient temperature range	-40 to +50 °C

Controls and Dimming	
Dimmable	No
Control interface	-
Constant light output	No

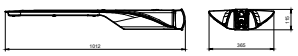
Mechanical and Housing	
Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Gray
Mounting device	Side-entry for diameter 48 to 60 mm
Optical cover shape	Ball, globular
Optical cover finish	Clear
Overall length	1,012 mm
Overall width	364 mm
Overall height	115 mm
Effective projected area	0.32 m²
Dimensions (Height x Width x Depth)	115 x 364 x 1012 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	BRP472 LED 283/NW 220W 220-240V DME
Full product name	BRP472 LED 283/NW 220W 220-240V DME
Full product code	911401662005
Order code	911401662005
Material Nr. (12NC)	911401662005
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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