



RoadCharm

BRP472 LED 242/NW 187W 220-240V DME

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 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 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		Control units, surge-protection device, front cover and mechanical parts	
Lamp colour code	740 neutral white		
Light source replaceable	No		
Driver included	Yes		
Optical cover/lens type	PC-MLO [Polycarbonate micro lens optic]		
Control interface	-		
Connection	Mains outlet socket		
Cable	-		
Protection class IEC	Safety class I (I)		
Flammability mark	F [For mounting on normally flammable surfaces]		
CE mark	CE mark		
ENEC mark	-		
Constant light output	No		
LED engine type	LED		
Serviceability class	Class B, the luminaire is equipped with some serviceable parts (when applicable): driver,		
Light Technical			
Standard tilt angle post-top	-		
Operating and Electrical			
Input Voltage	220 to 240 V		
Input frequency	50 or 60 Hz		
Power factor (min.)	0.9		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Housing material	Aluminum die-cast		
Optic material	Polycarbonate		

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Optical cover/lens material	Polycarbonate
Mounting device	48/60S [Side-entry for diameter 48-60 mm]
Optical cover/lens shape	Ball, globular
Optical cover/lens finish	Clear
Overall length	1012 mm
Overall width	364 mm
Overall height	115 mm
Effective projected area	0.32 m ²
Colour	Grey

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 up to 15 kV differential mode and 15 kV common mode

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	24200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	130 lm/W

Lamp colour temperature	4000 K
Colour Rendering Index	>70
Initial chromaticity	(0.38, 0.38) SDCM < 5
Initial input power	187 W
Power consumption tolerance	+/-10%

Application Conditions

Ambient temperature range	-40 to +50 °C
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Product Data

Full product code	911401661605
Order product name	BRP472 LED 242/NW 187W 220-240V DME
Order code	911401661605
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12 NC)	911401661605
SAP net weight (piece)	13.799 kg



Dimensional drawing



BRP47x/BRP49x

