



RoadCharm

BRP471 LED 145/NW 110W 220-240V DME

14500 lm - 110 W - 4000 K

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	
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
Light source engine type	LED

Serviceability class	Class B, the luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge-protection device, front cover and mechanical parts
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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
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Mechanical and Housing

Housing material	Aluminum die-cast
Optic material	Polycarbonate
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	719 mm
Overall width	367 mm
Overall height	111 mm
Effective projected area	0.23 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)	14500 lm
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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	110 W
Power consumption tolerance	+/-10%

Application Conditions

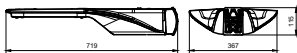
Ambient temperature range	-40 to +50 °C
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Product Data

Full product code	911401658705
Order product name	BRP471 LED 145/NW 110W 220-240V DME
Order code	911401658705
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401658705
SAP net weight (piece)	6.799 kg



Dimensional drawing



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