



# RoadCharm

## BRP471 LED 102/NW 78W 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		Light Technical	
Lamp colour code	740 neutral white	Standard tilt angle post-top	-
Light source replaceable	No	Operating and Electrical	
Driver included	Yes	Input Voltage	220 to 240 V
Optical cover/lens type	PC-MLO [ Polycarbonate micro lens optic]	Input frequency	50 or 60 Hz
Control interface	-	Power factor (min.)	0.9
Connection	Mains outlet socket	Controls and Dimming	
Cable	-	Dimmable	No
Protection class IEC	Safety class I (I)	Mechanical and Housing	
Flammability mark	F [ For mounting on normally flammable surfaces]	Housing material	Aluminum die-cast
CE mark	CE mark	Optic material	Polycarbonate
ENEC mark	-	control units, surge-protection device, front cover and mechanical parts	
Constant light output	No		
LED engine type	LED		
Serviceability class	Class B, the luminaire is equipped with some serviceable parts (when applicable): driver,		

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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	719 mm
Overall width	367 mm
Overall height	111 mm
Effective projected area	0.23 m <sup>2</sup>
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)	10200 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	78 W
Power consumption tolerance	+/-10%

### Application Conditions

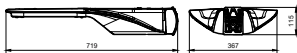
Ambient temperature range	-40 to +50 °C
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### Product Data

Full product code	911401658305
Order product name	BRP471 LED 102/NW 78W 220-240V DME
Order code	911401658305
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12 NC)	911401658305
SAP net weight (piece)	6.799 kg



## Dimensional drawing



BRP47x/BRP49x

