PHILIPS

Lighting



SmartBright Road

BRP131 LED100/WW 100W 220-240V DM GM

SmartBright Road, 10000 lm, 100 W, 730 warm white, Safety class I, Spigot for diameter 42 to 60 mm

The SmartBright road is ideal for new streets and for renovating existing installations, this affordable range of lighting solutions combines clean, high-quality light with significant energy savings and reduced maintenance.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
CE mark	CE mark
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	10,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	70
Light source color	730 warm white
Optical cover type	Polycarbonate micro lens optic

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	NO W
Inrush current	9.7 A
Inrush time	0.065 ms
Power Consumption	100 W
Power Factor (Fraction)	0.9
Connection	Flying leads/wires
Cable	Cable 0.5 m without plug
Number of products on MCB of 16 A type B	26

Temperature	
Ambient temperature range	-40 to +50 °C

Controls and Dimming	
Dimmable	No
Control interface	-

SmartBright Road

Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Dark gray
Mounting device	Spigot for diameter 42 to 60 mm
Overall length	453.8 mm
Overall width	277.2 mm
Overall height	85 mm
Effective projected area	0.11 m²
Dimensions (Height x Width x Depth)	85 x 277 x 454 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 10 kV differential mode and 10 kV common mode
Protection class IEC	Safety class I

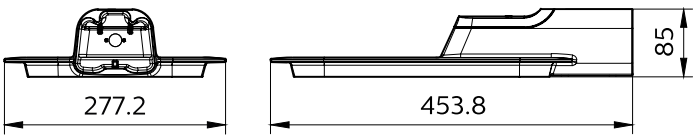
Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM < 5
Power consumption tolerance	+/-10%

Product Data

Order product name	BRP131 LED100/WW 100W 220-240V DM GM
Full product name	BRP131 LED100/WW 100W 220-240V DM GM
Full product code	871016332199800
Order code	911401697104
Material Nr. (12NC)	911401697104
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163321998
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163321998

Dimensional drawing



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