



# RoadGrace

## BRP712 LED 171/NW 142W DM 42-60

RoadGrace, 17040 lm, 142 W, 740 neutral white, Safety class I, Side-entry for diameter 42 to 60 mm

We now light up roads differently. It's no longer just about functionality as it is also about how road lighting can effortlessly complement new areas, and seamlessly retrofit into existing areas. With the RoadGrace LED luminaire, you can upgrade to an energy efficiency solution, and amazing flexibility with its five optic options, optimized for multiple road and street applications, such as freeways, intersections, and crosswalks.

### Product data

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

Light Technical	
Luminous Flux	17,040 lm
Standard tilt angle posttop	5°
Standard tilt angle side entry	15°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120 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 to 60 Hz
Inrush current	46 A
Inrush time	440 ms
Power Consumption	142 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B 11	

Temperature	
Ambient temperature range	-40 to +50 °C

## Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

## Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Side-entry for diameter 42 to 60 mm
Optical cover shape	Ball, globular
Overall length	683 mm
Overall width	388 mm
Overall height	87 mm
Effective projected area	0.23 m²
Dimensions (Height x Width x Depth)	87 x 388 x 683 mm

## Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class I

## Initial Performance (IEC Compliant)

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

## Over Time Performance (IEC Compliant)

Median useful life L70B50	100,000 hour(s)
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## Product Data

Order product name	BRP712 LED 171/NW 142W DM 42-60
Full product name	BRP712 LED 171/NW 142W DM 42-60
Full product code	911401834298
Order code	911401834298
Material Nr. (12NC)	911401834298
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

## Dimensional drawing

