LumiStreet

BGP253 ECO160/740 II DM D9 48/60A

LumiStreet Medium, LED EconomyLine 16000 lm, 740 neutral white, Safety class II, Distribution medium, Flat glass, Side-entry for diameter 48 to 60 mm

Many local authorities today have an outdated public lighting installation that urgently needs to be replaced, yet have only a limited budget available. We have the answer to their needs. With its compact design and modern LED architecture, LumiStreet is a versatile, cost-effective luminaire that fulfils basic functional road lighting requirements. It is made of high-quality components that ensure long lifetime and low maintenance cost. The result? A road lighting luminaire that provides effective illumination while at the same time cutting energy and maintenance bills. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customer who are preparing big renovation projects, TCO oriented.

Product data

General Information

Lamp family code	ECO160 [LED EconomyLine 16000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.

Light source engine type	LED
Product family code	BGP253 [LumiStreet Medium]
Lighting Technology	LED
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0

LumiStreet

Luminous Flux	13,966 lm		**Optical cover shape**	Curved
Standard tilt angle posttop	0°		**Optical cover finish**	Clear
Standard tilt angle side entry	0°		**Overall length**	580 mm
Correlated Color Temperature (Nom)	4000 K		**Overall width**	353 mm
Luminous Efficacy (rated) (Nom)	109 lm/W		**Overall height**	98 mm
Color rendering index (CRI)	70		**Effective projected area**	0.42 m²
Light source color	740 neutral white		**Dimensions (Height x Width x Depth)**	98 x 353 x 580 mm
Optical cover type	Flat glass			
Luminaire light beam spread	74° x 74°			
Optic type outdoor	Distribution medium			

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)	Philips standard surge protection level
Protection class IEC	Safety class II

Operating and Electrical

Input Voltage	230 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	[DELETE] W
Average CLO power consumption	[DELETE] W
End CLO power consumption	[DELETE] W
Inrush current	53 A
Inrush time	0.300 ms
Power Consumption	128 W
Power Factor (Fraction)	0.94
Connection	Connection unit 5-pole
Cable	–
Number of products on MCB of 16 A type B	8

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Temperature

Ambient temperature range	–40 to +50 °C

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Product Data

Order product name	BGP253 ECO160/740 II DM D9 48/60A
Full product name	BGP253 ECO160/740 II DM D9 48/60A
Full product code	871869698882400
Order code	910925864937
Material Nr. (12NC)	910925864937
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696988824
Numerator – Packs per outer box	1
EAN/UPC – Case	8718696988824

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Side-entry for diameter 48 to 60 mm

LumiStreet

Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change