

TubePoint

BGP231 LED30/740 DSM11 SRG D9 CFW MB

TubePoint Performer Mini, LED module 3000 lm, 740 neutral white, Power supply unit with DALI interface, Safety class I, Distribution symmetrical medium 11, Dark gray, Flying leads/ wires

Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available. We are able to fulfill their requirements. TubePoint is the result of years of experience in tunnel lighting combined with the latest technologies developed by Philips. With its modular design and modern LED architecture, TubePoint is a versatile, cost-effective luminaire that meets the most stringent tunnel lighting requirements. It is made of highest-quality components that are dedicated for tunnels, thus ensuring a long lifetime, good performance and low maintenance costs. The efficiency of the optics means the number of luminaires can be reduced significantly compared with a conventional solution. And a high lumen per watt ratio at system level improves the total cost of ownership. TubePoint is part of Philips' comprehensive solution for tunnel lighting.

Product data

General Information	
Lamp family code	LED30 [LED module 3000 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	BGP231 [TubePoint Performer Mini]
Lighting Technology	LED
CE mark	Yes
Warranty period	2 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark

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EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	3,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	180 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	101° x 158°
Optic type outdoor	Distribution symmetrical medium 11

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	290 ms
Power Consumption	19.8 W
Power Factor (Fraction)	0.9
Connection	Flying leads/wires
Cable	Cable 1.5 m without plug
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	-30 to +35 °C

Controls and Dimming

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

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Dark gray
Mounting device	-
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	344 mm
Overall width	321 mm
Overall height	77 mm
Effective projected area	0.024 m²
Dimensions (Height x Width x Depth)	77 x 321 x 344 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	+/-5%
Initial chromaticity	(0.385, 0.395) SDCM <3
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

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BGP231 LED30/740 DSM11 SRG D9 CFW MB
Full product name	BGP231 LED30/740 DSM11 SRG D9 CFW MB
Full product code	871869946361800
Order code	912300024017
Material Nr. (12NC)	912300024017
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699463618
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699463618



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