



TubePoint

BGP232 LED180/740 DSM11 D9 CFW FU MB

TubePoint Performer Small, LED module 18000 lm, 740 neutral white, Power supply unit with DALI interface, Safety class I, Distribution symmetrical medium 11, Dark gray, Marine salt protected coating, 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Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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	LED180 [LED module 18000 lm]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	Yes	Light source engine type	LED
Number of gear units	1 unit	Product family code	BGP232 [TubePoint Performer Small]
Driver included	Yes	Lighting Technology	LED
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	CE mark	Yes
		Warranty period	2 years
		Flammability mark	For mounting on normally flammable surfaces
		ENEC mark	ENEC mark

EU RoHS compliant	Yes
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Light Technical

Upward light output ratio	0
Luminous Flux	18,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	164 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	53 A
Inrush time	300 ms
Power Consumption	118 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	8

Temperature

Ambient temperature range	-30 to +35 °C
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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	375 mm
Overall width	345 mm
Overall height	143.5 mm
Effective projected area	0.038 m²
Dimensions (Height x Width x Depth)	144 x 345 x 375 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	BGP232 LED180/740 DSM11 D9 CFW FU MB
Full product name	BGP232 LED180/740 DSM11 D9 CFW FU MB
Full product code	871869946364900
Order code	912300024020
Material Nr. (12NC)	912300024020
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699463649
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699463649

