



TubePoint gen2

BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB

TubePoint GEN2 Small, LED module 18000 lm, 740 neutral white, Power supply unit with DALI interface, Safety class I, Distribution symmetrical medium 11, Dark grey

Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve this. Philips TubePoint Gen2 is the perfect solution. It's a cost-effective solution that's the result of years of experience in tunnel lighting and underpass lighting, combined with the latest technologies developed by Philips. With its modular design and state-of-the-art LED architecture, TubePoint Gen2 is a versatile, cost-effective luminaire that meets the most stringent tunnel lighting requirements. Manufactured from the highest-quality components that are specifically designed for tunnels, these tunnel luminaires promise a long lifetime, great performance and low maintenance costs. The lighting efficiency and wide choice of optics means that the number of luminaires required for an installation can be reduced significantly compared with conventional solutions. And a high lumen per watt ratio at system level improves the total cost of ownership. TubePoint Gen2 is part of the Philips TotalTunnel solution for complete tunnel lighting. A solution you can trust for versatile, high-performance lighting in traffic tunnels.

Product data

General Information		Lighting Technology	
Lamp family code	LED180 [LED module 18000 lm]	Value ladder	Specification
Light source replaceable	Yes	CE mark	Yes
Number of gear units	Unit	Warranty period	5 years
Driver included	Yes	Flammability mark	For mounting on normally flammable surfaces
Light source engine type	LED	ENEC mark	ENEC mark
Product family code	BGP235 [TubePoint GEN2 Small]		

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EU RoHS compliant	Yes
Light Technical	
Upwards light output ratio	0
Luminous Flux	14,940 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	144 lm/W
Colour rendering index (CRI)	>70
Number of light sources	56
Light source colour	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	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	104 W
Power Factor (Fraction)	0.99
Connection	-
Cable	-
Number of products on MCB of 16 A type B	8
Temperature	
Ambient temperature range	-30 to +50 °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	Aluminium die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Stainless steel
Housing Colour	Dark grey
Mounting device	Mounting bracket quick-release, medium
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	363.5 mm

Overall width	485.5 mm
Overall height	89.5 mm
Effective projected area	0.18 m²
Dimensions (height x width x depth)	90 x 486 x 364 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode
Sustainability rating	-
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.3818, 0.3796) SDCM<3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compliant)	
Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L97
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Product Data	
Order product name	BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB
Full product name	BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB
Full EOC	871869948294700
Order code	48294700
Material no. (12 NC)	912300024112
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699482947
Numerator – packs per outer box	1
EAN/UPC – Case	8718699482947

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Dimensional drawing

