



TubePoint gen2

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

TubePoint gen2, Tunnel light, 104 W, 14940 lm, 4000 K, CRI70, DALI, Distribution symmetrical medium 11, Safety class I, IP66, SRG6-6

Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve it. TubePoint Gen2 is the perfect solution. It's the cost-effective solution that's the result of years of experience in tunnel lighting and underpass lighting, combined with the latest technologies. 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 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 TotalTunnel solution for complete tunnel lighting. A solution you can trust for versatile, high performance lighting in traffic tunnels.

Product data

General Information		Value ladder	Specification
Lamp family code	LED180 [LED module 18000 lm]	Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit		
Driver included	Yes		
Light source engine type	LED		
Service tag	Yes		
Lighting Technology	LED		

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Sustainability rating	Signify Circle
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Light Technical

Upward light output ratio	0
Luminous Flux	14,940 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	138 lm/W
Color rendering index (CRI)	70
Number of light sources	56
Light source color	740 neutral white
Luminaire light beam spread	101° x 158°
Optic type outdoor	Distribution symmetrical medium 11
Effective projected area	0.18 m ²

Sustainability Data

Product non-virgin material ratio	10.2 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)

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
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	10%

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate

Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Dark gray
Mounting device	Mounting bracket quick-release, medium
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	363.5 mm
Overall width	485.5 mm
Overall height	89.5 mm
Dimensions (Height x Width x Depth)	90 x 486 x 364 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	7.000 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-30 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L97

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 product code	871869948294700
Order code	48294700
Material Nr. (12NC)	912300024112
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699482947
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699482947

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Product family code

BGP235 [TubePoint GEN2 Small]

Dimensional drawing

