



# 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 gray - -

Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve it. Philips 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 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 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			
Number of light sources	56 pcs	Driver included	Yes
Lamp family code	LED180 [ LED module 18000 lm]	Optical cover/lens type	Flat glass
Light source color	740 neutral white	Luminaire light beam spread	101° x 158°
Light source replaceable	Yes	Control interface	DALI
Number of gear units	1 unit	Connection	-
Driver/power unit/transformer	Power supply unit with DALI interface	Cable	-
		Protection class IEC	Safety class I

TubePoint gen2

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Distribution symmetrical medium 11
Constant light output	No
Number of products on MCB of 16 A type B	8
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
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
Product family code	BGP235 [ TubePoint GEN2 Small]

Light technical

Upward light output ratio	0
Standard tilt angle posttop	-
Standard tilt angle side entry	0°

Operating and electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Factor (Min)	0.99

Controls and dimming

Dimmable	Yes
----------	-----

Mechanical and housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Stainless steel
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
Color	Dark gray

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 until 6 kV differential mode and 6 kV common mode
Sustainability rating	-

Initial performance (IEC compliant)

Initial luminous flux (system flux)	14940 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	144 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.3818, 0.3796) SDCM<3
Initial input power	104 W
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

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 at median useful life* 100000 h	L97

Application conditions

Ambient temperature range	-30 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	10%

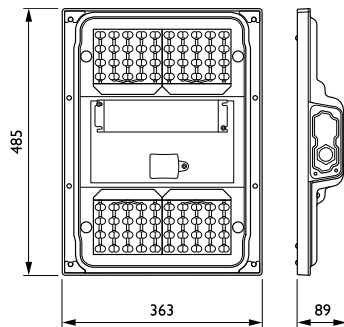
Product data

Full product code	871869948294700
Order product name	BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB
EAN/UPC - Product	8718699482947
Order code	912300024112
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912300024112
Net Weight (Piece)	7.000 kg



## TubePoint gen2

### Dimensional drawing



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

