



TubePoint gen2

BGP235 LED120-4S/740 DSM11 D9 MIO-CIO MB

TubePoint GEN2 Small, LED module 12000 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Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve it.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		Product family code	BGP235 [TubePoint GEN2 Small]
Lamp family code	LED120 [LED module 12000 lm]	Lighting Technology	LED
Light source replaceable	Yes	Value ladder	Specification
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Light source engine type	LED	Flammability mark	For mounting on normally flammable surfaces
Service tag	Yes		

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ENEC mark	ENEC mark
EU RoHS compliant	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

Light Technical

Upward light output ratio	0
Luminous Flux	9,840 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	>70
Number of light sources	40
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	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	73 W
Power Factor (Fraction)	0.99
Connection	-
Cable	-
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	-30 to +50 °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 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
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 until 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 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L96

Application Conditions

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

Product Data

Order product name	BGP235 LED120-4S/740 DSM11 D9 MIO-CIO MB
Full product name	BGP235 LED120-4S/740 DSM11 D9 MIO-CIO MB
Full product code	871869948293000
Order code	912300024111
Material Nr. (12NC)	912300024111
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699482930
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699482930

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Dimensional drawing

