TubePoint gen2

BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB

TubePoint GEN2 Medium, LED module 36000 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Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve this.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	LED
Lamp family code	LED360 [LED module 36000 lm]	Value ladder	Specification
Light source replaceable	Yes	CE mark	Yes
Number of gear units	2 units	Warranty period	5 years
Driver included	Yes	Flammability mark	For mounting on normally flammable surfaces
Light source engine type	LED		
Product family code	BGP236 [TubePoint GEN2 Medium]	ENEC mark	ENEC mark

TubePoint gen2

EU RoHS compliant	Yes

Light Technical

Upwards light output ratio	0
Luminous Flux	29,880 lm
Standard tilt angle post-top	–
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	142 lm/W
Colour rendering index (CRI)	>70
Number of light sources	112
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	210 W
Power Factor (Fraction)	0.99
Connection	–
Cable	–
Number of products on MCB of 16 A type B	4

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	727 mm

Overall width	485.5 mm
Overall height	89.5 mm
Effective projected area	0.36 m²
Dimensions (height x width x depth)	90 x 486 x 727 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	BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB
Full product name	BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB
Full EOC	871869948296100
Order code	48296100
Material no. (12 NC)	912300024114
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699482961
Numerator – packs per outer box	1
EAN/UPC – Case	8718699482961

TubePoint gen2

Dimensional drawing