



# TubePoint gen2

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

BGP236 | TubePoint GEN2 Medium - LED360 | LED module  
36000 lm - 740 neutral white - Power supply unit with DALI interface - Safety class I - Distribution symmetrical medium 11 -

Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve it.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	112
Lamp family code	LED360 [LED module 36000 lm]
Light source color	740 neutral white
Light source replaceable	Yes
Number of gear units	2 units

Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optical cover/lens type	Flat glass
Luminaire light beam spread	101° x 158°
Control interface	DALI
Connection	-

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Cable	-
Protection class IEC	Safety class I
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	4
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
Product family code	BGP236 [TubePoint GEN2 Medium]
Lighting Technology	LED
Brand	Philips
Value ladder	Specification

Light Technical

Upward light output ratio	0
Luminous Flux	29,880 lumen
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Luminous Efficacy (rated) (Nom)	142 lm/W
Color rendering index (CRI)	>70

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	210 W
Inrush current	53 A
Inrush time	0.3 ms
Power Factor (Fraction)	0.99

Temperature

Ambient temperature range	-30 to +50 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

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

Luminous flux tolerance	+/-7%
Init. Corr. Color Temperature	4000 K
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	L97

Application Conditions

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

Product Data

Full product code	871869948296100
Order product name	BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB
Order code	912300024114
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material number (12NC)	912300024114
Net weight	14.000 kg
Full product name	BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB
EAN/UPC - Case	8718699482961



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### Dimensional drawing

