PHILIPS

Lighting



TubePoint gen2

BGP236 LED480-4S/740 DSM11 D9 MIO-CIO MB

TubePoint GEN2 Medium - LED module 48000 lm - 740 neutral white - Power supply unit with DALI interface - Safety class I - Symmetrical - Black - -

Many tunnel authorities have an outdated tunnel-lighting installation that urgently needs to be replaced, but have only limited budget available. We are able to fulfil their requirements. TubePoint GEN2 is the result of years of experience in tunnel lighting combined with the latest technologies developed by Philips. With its modular design and modern LED architecture, TubePoint GEN2 is a versatile, cost-effective luminaire that meets the most stringent tunnel-lighting requirements. It is made of highest-quality components that are dedicated for tunnels, thus ensuring a long lifetime, good performance and low maintenance costs. The efficiency and wide choice of optics means that the number of luminaires can be reduced significantly compared with a conventional solution. And a high lumen per watt ratio at system level improves the total cost of ownership. TubePoint GEN2 is part of Philips' TotalTunnel solution for a complete tunnel lighting.

Product data

General Information	
Lamp family code	LED480 [LED module 48000 lm]
Light source colour	740 neutral white
Light source replaceable	Yes
Number of gear units	2 units
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optical cover/lens type	FG [Flat glass]
Luminaire light beam spread	101° x 158°
Control interface	DALI

Connection	-
Cable	-
Protection class IEC	Safety class I
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Outdoor optic type	Symmetrical
Constant light output	No
Number of products on MCB	4

TubePoint gen2

RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BGP236 [TubePoint GEN2 Medium]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	-
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	Aluminium die–cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Stainless steel
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
Colour	Black

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Initial Performance (IEC Compliant)

Initial luminous flux	39360 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	171 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	>70
Initial chromaticity	(0.3818, 0,3796) SDCM<3
Initial input power	295 W
Power consumption tolerance	+/-11%

Application Conditions

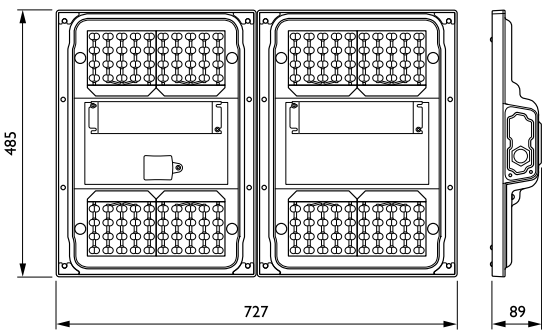
Ambient temperature range	-30 to +50 °C
Maximum dimming level	10%

Product Data

Full product code	871869948297800
Order product name	BGP236 LED480-4S/740 DSM11 D9 MIO-CIO MB
EAN/UPC – product	8718699482978
Order code	48297800
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	912300024115
Net weight (piece)	13.300 kg

IP66 IK08

Dimensional drawing



TubePoint gen2 BGP235-BGP237

TubePoint gen2

© 2019 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2019, April 2 - data subject to change