



TubePoint

BGP224 LED520/840 PSU II DTS GR CFW

TubePoint Core Large, LED module 52000 lm, 840 neutral white, Power supply unit (On/Off), Safety class II, Distribution tunnel symmetrical, Grey, Single layer powder coating, Flying leads/wires

Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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 fulfill their requirements. TubePoint 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 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 of the optics means 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 is part of Philips' comprehensive solution for tunnel lighting.

Product data

General Information		
Lamp family code	LED520 [LED module 52000 lm]	
Light source replaceable	Yes	
Number of gear units	1 unit	
Gear	-	
Driver included	Yes	
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Light source engine type		LED
Product family code		BGP224 [TubePoint Core Large]
Lighting Technology		LED
CE mark		Yes
Warranty period		2 years
Flammability mark		For mounting on normally flammable surfaces

ENEC mark	ENEC mark
Glow-wire test	-
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	52,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	106 lm/W
Color rendering index (CRI)	>80
Number of light sources	432
Light source color	840 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	148° x 148°
Optic type outdoor	Distribution tunnel symmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	300 ms
Power Consumption	400 W
Power Factor (Fraction)	0.9
Connection	Flying leads/wires
Cable	-
Number of products on MCB of 16 A type B 2	

Temperature

Ambient temperature range	-30 to +35 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Stainless steel

Housing Color	Grey
Mounting device	-
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	1,135 mm
Overall width	345 mm
Overall height	143.5 mm
Effective projected area	0.12 m²
Dimensions (Height x Width x Depth)	144 x 345 x 1135 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.433, 0.403) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BGP224 LED520/840 PSU II DTS GR CFW
Full product name	BGP224 LED520/840 PSU II DTS GR CFW
Full product code	871794321902500
Order code	912300023430
Material Nr. (12NC)	912300023430
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943219025
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943219025

Dimensional drawing

