



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Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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

Datasheet, 2023, September 4 data subject to change

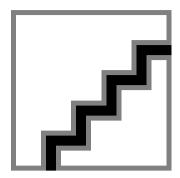
TubePoint

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	O°
Standard tilt angle side entry	O°
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	a B 2
Temperature	
Ambient temperature range	-30 to +35 ℃
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
AND THE RESERVE OF THE PARTY OF	
Mechanical and Housing	
Housing Material	Aluminum
	Aluminum -
Housing Material	Aluminum - Polycarbonate
Housing Material Reflector material	-

Housing Color Grey Mounting device - Optical cover shape Flat Optical cover finish Clear Overall length 1,135 mm Overall width 345 mm Overall beight 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 IROB [Dust penetration-protected, jet-proof] Mech. impact protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity (0,433, 0,403) SDCM <3 Power consumption tolerance +/-5% Initial chromaticity (0,433, 0,403) SDCM <3 Power Time Performance (IEC Compliant) L Control gear failure rate at median useful life* 10% Life 100000 h L Performance ambient temperature Tq 25 °C Product Data Order product name BGP224 LED520/840 PSU		
Optical cover shape Optical cover finish Clear Overall length 1,135 mm Overall width 345 mm Overall height Effective projected area Oil2 m² Dimensions (Height x Width x Depth) Approval and Application Ingress protection code Mech. impact protection code Mech. impact protection (Common/Differential) Initial Performance (IEC Compliant) Luminous flux tolerance Initial Chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful life* Lumen maintenance at median useful life* Application Conditions Performance ambient temperature Tq 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 Order code Plazion Conditions Palasion Conditions Palasion Conditions Palasion Code Pill product Code Pill pro	Housing Color	Grey
Optical cover finish Overall length Overall width Overall width Overall height Effective projected area O.12 m² Dimensions (Height x Width x Depth) Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IR08 [5 J vandal-protected] Surge Protection (Common/Differential) Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Order product Data Order product name BGP224 LED520/840 PSU II DTS GR CFW Full product code 912300023430 Material Nr. (12NC) Plume racks per outer box 1 (12 m² 25 °C Product/Case 87179432190255 Numerator - Packs per outer box 1 (2 m² 2 m	Mounting device	-
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 Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Product Data Order product name BGP224 LED520/840 PSU II DTS GR CFW Full product code 871794321902500 Order code 912300023430 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8717943219025 Numerator - Packs per outer box 1	Optical cover shape	Flat
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 Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Product Data Order product name BGP224 LED520/840 PSU II DTS GR CFW Full product code 871794321902500 Order code 912300023430 Material Nr. (I2NC) 912300023430 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8717943219025 Numerator - Packs per outer box 1	Optical cover finish	Clear
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Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IKO8 [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* L80 100000 h Lumen maintenance at median useful life* L80 Product Data Order product name BGP224 LED520/840 PSU II DTS GR CFW Full product code 912300023430 Material Nr. (12NC) 912300023430 Numerator - Packs per outer box 1	Dimensions (Height x Width x Depth)	144 x 345 x 1135 mm
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Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C 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	Power consumption tolerance	+/-10%
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TubePoint

Dimensional drawing





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