# **PHILIPS** Lighting



# **TubePoint**

# BGP223 LED340/840 PSU II DTS GR CFW

TubePoint Core Medium, LED module 34000 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Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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	LED340 [LED module 34000 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	BGP223 [TubePoint Core Medium]
Lighting Technology	LED
CE mark	Yes
Warranty period	2 years
Flammability mark	For mounting on normally flammable
	surfaces

## **TubePoint**

ENEC mark	ENEC mark	
Glow-wire test	-	
EU RoHS compliant	Yes	
Light Technical		
Upward light output ratio	0	
Luminous Flux	34,000 lm	
Standard tilt angle posttop	0°	
Standard tilt angle side entry	0°	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	104 lm/W	
Color rendering index (CRI)	>80	
Number of light sources	250	
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	267 W	
Power Factor (Fraction)	0.9	
Connection	Flying leads/wires	
Cable	_	
Number of products on MCB of 16 A type	<b>B</b> 4	
Temperature		
Ambient temperature range	−30 to +35 °C	
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	

Stainless steel

Housing Color	Grey	
Mounting device	-	
Optical cover shape	Flat	
Optical cover finish	Clear	
Overall length	755 mm	
Overall width	345 mm	
Overall height	143.5 mm	
Effective projected area	0.078 m²	
Dimensions (Height x Width x Depth)	144 x 345 x 755 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	10 %
life 100000 h	
Lumen maintenance at median useful life*	L80
100000 h	

#### plication Conditions

Performance ambient temperature Tq	25 °C
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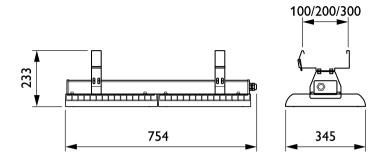
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Product Data	
Order product name	BGP223 LED340/840 PSU II DTS GR CFW
Full product name	BGP223 LED340/840 PSU II DTS GR CFW
Full product code	871794321901800
Order code	912300023429
Material Nr. (12NC)	912300023429
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943219018
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943219018

Fixation material

## **TubePoint**

#### Dimensional drawing





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