



TubePoint

BGP231 LED90/740 DSM11 SRG D9 CFW MB

TubePoint Performer Mini, LED module 9000 lm, 740 neutral white, Power supply unit with DALI interface, Safety class I, Distribution symmetrical medium 11, Dark gray, 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Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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 Performer 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	LED90 [LED module 9000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
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	BGP231 [TubePoint Performer Mini]	
Lighting Technology	LED	
CE mark	Yes	
Warranty period	2 years	
Flammability mark	For mounting on normally flammable surfaces	

Datasheet, 2023, April 30 data subject to change

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ENEC mark	ENEC mark	Mounting device	-
EU RoHS compliant	Yes	Optical cover shape	Flat
		Optical cover finish	Clear
Light Technical		Overall length	344 mm
Upward light output ratio	0	Overall width	321 mm
Luminous Flux	9,000 lm	Overall height	77 mm
Standard tilt angle posttop	0°	Effective projected area	0.024 m²
Standard tilt angle side entry	0°	Dimensions (Height x Width x Depth)	77 x 321 x 344 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	162 lm/W	Approval and Application	
Color rendering index (CRI)	>70	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source color	740 neutral white	Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Flat glass	Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV
Luminaire light beam spread	148° x 148°		differential mode and 10 kV common mode
Optic type outdoor	Distribution symmetrical medium 11	Protection class IEC	Safety class I
Operating and Electrical		Initial Performance (IEC Compliant)
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-5%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.385, 0.395) SDCM <3
Inrush current	10 A	Power consumption tolerance	+/-10%
Inrush time	130 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	59 W		
Power Factor (Fraction) 0.9		Over Time Performance (IEC Compliant)	
Power Factor (Fraction)	0.9	Over Time retroimance (ize comp	
Connection (Fraction)	Flying leads/wires	Control gear failure rate at median usefu	
Connection	Flying leads/wires Cable 1.5 m without plug	Control gear failure rate at median usefu	
Connection Cable	Flying leads/wires Cable 1.5 m without plug	Control gear failure rate at median usefu life 100000 h	1 10 %
Connection Cable Number of products on MCB of 16 A type	Flying leads/wires Cable 1.5 m without plug	Control gear failure rate at median usefulife 100000 h Lumen maintenance at median useful	1 10 %
Connection Cable Number of products on MCB of 16 A type	Flying leads/wires Cable 1.5 m without plug	Control gear failure rate at median usefulife 100000 h Lumen maintenance at median useful	1 10 %
Connection Cable Number of products on MCB of 16 A type B	Flying leads/wires Cable 1.5 m without plug	Control gear failure rate at median usefulife 100000 h Lumen maintenance at median usefullife* 100000 h	1 10 %
Connection Cable Number of products on MCB of 16 A type B Temperature	Flying leads/wires Cable 1.5 m without plug 11	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	L 10 %
Connection Cable Number of products on MCB of 16 A type B Temperature	Flying leads/wires Cable 1.5 m without plug 11	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	Flying leads/wires Cable 1.5 m without plug 11	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L80 25 °C
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	L80 25 °C 10%
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	L80 L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200 46363200
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200 46363200 912300024019
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI No	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200 46363200 912300024019 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI No Aluminum -	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200 912300024019 1 8718699463632
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200 46363200 912300024019 1 8718699463632 1
Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Flying leads/wires Cable 1.5 m without plug 11 -30 to +35 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass	Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	L 10 % L80 25 °C 10% BGP231 LED90/740 DSM11 SRG D9 CFW MB BGP231 LED90/740 DSM11 SRG D9 CFW MB 871869946363200 46363200 912300024019 1 8718699463632 1

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