



TubePoint Performer - Performer range for traffic tunnels

TubePoint

Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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

Benefits

- Flexible mounting solution, quick release for easy maintenance
- Excellent quality optics, longer distance between luminaires
- Fast payback

Features

- Direct replacement of existing conventional luminaires (up to SON-T 400 W)
- Flexibility in application thanks to a range of lumen outputs and tunnel optics
- Compatible with TunneLogic and third-party Powerline control systems
- Option of remote driver for quick and easy maintenance
- Wide choice of mounting systems

Application

- Traffic tunnels and underpasses

Specifications

Type	BGP231 (mini version)
	BGP232 (small version)
	BGP233 (medium version)
	BGP234 (large version)
Light source	Integral LED-module
Power	Up to 450 W (depending on LED configuration)
Luminous flux	Up to 52,000 lm
Luminaire efficacy	> 100 lm/W
Correlated Color	4000 K (neutral white, NW)
Temperature	
Color Rendering Index	80
Useful life L80B10	100,000 hours
Operating temperature range	-30 to +35 °C
Driver	Integrated or remote in driver box
Mains voltage	220-240 V / 50-60 Hz
Dimming	Local power line
	Constant Light Output (CLO)
	DALI
	Compatible with Tunnel Logic and 3-rd party PowerLine control systems

Options	Correlated Color Temperature 5700 K
	Operating temperature range -30 to +40 °C and -30 to +45 °C
	Surge protection device (SPD)
Optic	Tunnel asymmetrical (DTA)
	Tunnel counter-beam (DTCB)
	Tunnel symmetrical (DTS)
	Tunnel asymmetrical wide beam (DTA-WB)
	Tunnel symmetrical wide beam (DTS-WB)
Optical cover	Glass, flat
Material	Housing: die-cast aluminum, high pressure
	Top rail: extruded aluminum, anodized
	Cover: glass, thermally hardened, 4 mm thick
Color	Philips dark grey
	MSP powder painting
Connection	Flying lead with option for customer socket
Installation	Installation on tilted bracket 0-90° (wall or ceiling) or dedicated ceiling bracket

Versions

TubePoint Core BGP221 tunnel-lighting luminaire



Application Conditions

Maximum dim level	10%
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Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Surge protection level until 10 kV

Controls and Dimming

Dimmable	Yes
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General Information

CE mark	CE mark
Light source colour	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Light source replaceable	Yes
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	>70

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Mechanical and Housing

Colour	Dark gray
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General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Coating	Gland material	Lamp family code
46361800	BGP231 LED30/740 DSM11 SRG D9 CFW MB	101° x 158°	-	-	LED30
46362500	BGP231 LED50/740 DSM11 SRG D9 CFW MB	101° x 158°	-	-	LED50
46363200	BGP231 LED90/740 DSM11 SRG D9 CFW MB	148° x 148°	-	-	LED90
46364900	BGP232 LED180/740 DSM11 D9 CFW FU MB	101° x 158°	Marine salt protected coating	Cable gland plastic	LED180
46365600	BGP233 LED340/740 DSM11 SRG D9 CFW FU MB	101° x 158°	-	-	LED340
46366300	BGP234 LED520/740 DSM11 SRG D9 CFW FU MB	101° x 158°	-	-	LED520
46367000	BGP234 LED610/740 DSM11 SRG D9 CFW FU MB	101° x 158°	-	-	LED610

General Information (2/2)

Order Code	Full Product Name	Product Family Code	Order Code	Full Product Name	Product Family Code
46361800	BGP231 LED30/740 DSM11 SRG D9 CFW MB	BGP231	46365600	BGP233 LED340/740 DSM11 SRG D9 CFW FU MB	BGP233
46362500	BGP231 LED50/740 DSM11 SRG D9 CFW MB	BGP231	46366300	BGP234 LED520/740 DSM11 SRG D9 CFW FU MB	BGP234
46363200	BGP231 LED90/740 DSM11 SRG D9 CFW MB	BGP231	46367000	BGP234 LED610/740 DSM11 SRG D9 CFW FU MB	BGP234
46364900	BGP232 LED180/740 DSM11 D9 CFW FU MB	BGP232			

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Order Code	Full Product Name	Initial luminous flux
46361800	BGP231 LED30/740 DSM11 SRG D9 CFW MB	3000 lm	46365600	BGP233 LED340/740 DSM11 SRG D9 CFW FU MB	34000 lm
46362500	BGP231 LED50/740 DSM11 SRG D9 CFW MB	5000 lm	46366300	BGP234 LED520/740 DSM11 SRG D9 CFW FU MB	52000 lm
46363200	BGP231 LED90/740 DSM11 SRG D9 CFW MB	9000 lm	46367000	BGP234 LED610/740 DSM11 SRG D9 CFW FU MB	61000 lm
46364900	BGP232 LED180/740 DSM11 D9 CFW FU MB	18000 lm			

