PHILIPS Lighting

TunLite LED Gen2: a cost-effective solution for tunnel and underpass lighting

TunLite LED GEN2

The lighting system must be TunLite LED Gen2 from or, alternatively, it must be equal to the following criteria:. The product family range should offer a wide range of lumen outputs, by means of minimum 3 dedicated housing sizes. Serviceability of the luminaire should be such that drivers and LEDs are serviceable from below when mounted in the tunnel. Luminaires should have options for wall and cable tray mounting. Electrical safety class I. A choice of symmetrical and asymmetrical, narrow, wide and extra wide optics and counter-beam optics must be available, color temperature 4,000K. Minimal lamp efficacy of 160 lm/W. The luminaires must be ingress protected to IP66 and impact protected to IK08. The lifetime should be at least 100,000 hours @L95. The luminaires must have a QR-based identification system that makes each luminaire uniquely identifiable, thereby enabling installation, maintenance, and spare part information to be easily and accurately referenced. The luminaires must have control options for DALI 2.0 to allow optimal integration in tunnel control and monitoring systems. The lighting system must feature ENEC-certified LED-based luminaires. The luminaire has a warranty period of 5 years.

Benefits
· Low initial investment for a standard tunnel lighting system
· Reliable quality for a long lifetime
· Complete size range covers all tunnel lighting applications

TunLite LED GEN2

Features
· High lumen/watt ratio thanks to LEDGINE–O platform
· Optic and lumen range suits most tunnel geometries
· Plug and play installation – simple flying lead fitted with connector
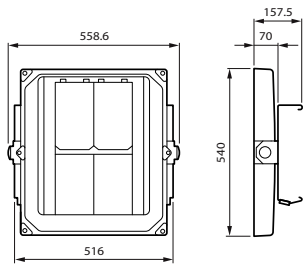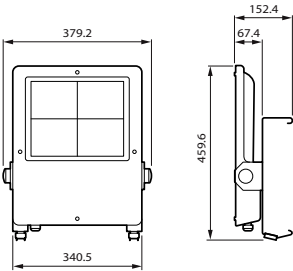
Application
· Tunnel
· Underpass

Versions

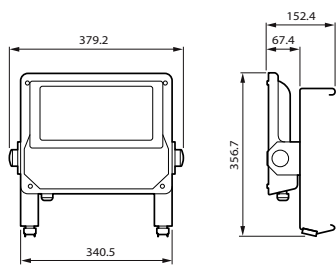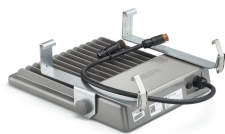**BGP285_TunLite LED Gen2_Medium**   **BGP286_TunLite LED Gen2_Large**

Dimensional drawing

TunLite LED GEN2

Product details

BGP286_TunLite LED Gen2_Large

BGP285_TunLite LED Gen2_Medium

BGP287_TunLite LED Gen2_Xlarge

TunLite LED GEN2

General Information

Driver included	Yes
Service tag	Yes

Light Technical

Luminaire light beam spread	88° x 157°
Light source color	740 neutral white
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Optic type outdoor	Distribution medium 12
Upward light output ratio	0

Operating and Electrical

Surge Protection (Common/ Differential)	Surge protection level until 10 kV differential mode and 10 kV common mode

Controls and Dimming

Dimmable	Yes
Maximum dim level	10%

Mechanical and Housing

Optical cover type	Flat glass
Housing Color	Aluminum
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°

Approval and Application

CE mark	Yes

General Information

Order Code	Full Product Name	Lamp family code	Light source replaceable	Number of gear units
03870700	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	LED140	No	1 unit
03872100	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	LED380	Yes	2 units
03873800	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	LED520	Yes	2 units
03871400	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	LED280	No	2 units

Light Technical

Order Code	Full Product Name	Luminous Flux
03870700	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	11,620 lm
03872100	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	33,060 lm

Order Code	Full Product Name	Luminous Flux
03873800	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	44,200 lm
03871400	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	23,240 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
03870700	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	86 W
03872100	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	230 W

Order Code	Full Product Name	Power Consumption
03873800	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	315 W
03871400	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	172 W

Mechanical and Housing

Order Code	Full Product Name	Mech. impact protection code
03870700	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	IK08
03872100	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	IK09

Order Code	Full Product Name	Mech. impact protection code
03873800	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	IK09
03871400	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	IK08

TunLite LED GEN2

Approval and Application

Order Code	Full Product Name	Flammability mark
03870700	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	For mounting on normally flammable surfaces
03872100	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	For mounting on easily flammable surfaces

Order Code	Full Product Name	Flammability mark
03873800	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	For mounting on easily flammable surfaces
03871400	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	For mounting on normally flammable surfaces

Product Data

Order Code	Full Product Name	Product family code
03870700	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	BGP285
03872100	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	BGP287

Order Code	Full Product Name	Product family code
03873800	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	BGP287
03871400	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	BGP286