



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

## TunLite LED GEN2

The lighting system must be TunLite LED Gen2 from Philips 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

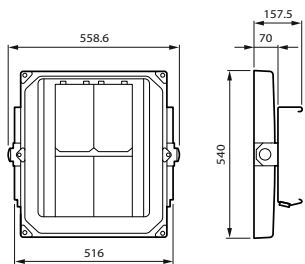
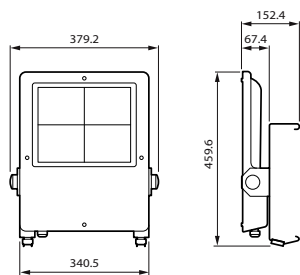
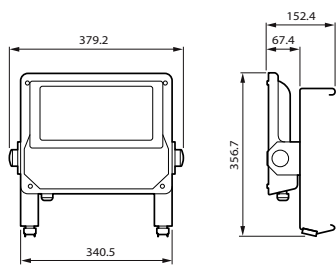
## Versions



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



General Information	
CE mark	Yes
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
Optical cover type	Flat glass
Color rendering index (CRI)	70
Optic type outdoor	Distribution medium 12
Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Housing Color	Aluminum
Approval and Application	
Ingress protection code	IP66
Surge Protection (Common/Differential)	Surge protection level until 10 kV
Application Conditions	
Maximum dim level	10%

## General Information (1/2)

Order Code	Full Product Name	Flammability mark	Lamp family code	Light source replaceable	Number of gear units
912300058451	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	For mounting on normally flammable surfaces	LED140	No	1 unit
912300058453	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	For mounting on easily flammable surfaces	LED380	Yes	2 units
912300058454	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	For mounting on easily flammable surfaces	LED520	Yes	2 units
912300058452	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	For mounting on normally flammable surfaces	LED280	No	2 units

## General Information (2/2)

## TunLite LED GEN2

Order Code	Full Product Name	Product family code
912300058451	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	BGP285
912300058453	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	BGP287

Order Code	Full Product Name	Product family code
912300058454	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	BGP287
912300058452	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	BGP286

### Light Technical

Order Code	Full Product Name	Luminous Flux
912300058451	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	11,620 lm
912300058453	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	33,060 lm

Order Code	Full Product Name	Luminous Flux
912300058454	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	44,200 lm
912300058452	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	23,240 lm

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
912300058451	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	86 W
912300058453	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	230 W

Order Code	Full Product Name	Power Consumption
912300058454	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	315 W
912300058452	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	172 W

### Approval and Application

Order Code	Full Product Name	Mech. impact protection code
912300058451	BGP285 LED140/740 DM12 ALU D9 SRG C1KC5	IK08
912300058453	BGP287 LED380/740 DM12 ALU D9 SRG C1KC5	IK09

Order Code	Full Product Name	Mech. impact protection code
912300058454	BGP287 LED520/740 DM12 ALU D9 SRG C1KC5	IK09
912300058452	BGP286 LED280/740 DM12 ALU D9 SRG C1KC5	IK08

