



Philips TubePoint Gen 2: versatile, high performance and long-lasting tunnel lighting

TubePoint gen2

Many tunnel authorities have outdated tunnel lighting installations that urgently need replacing, but have only a limited budget to achieve it. Philips TubePoint Gen2 is the perfect solution. It's the cost-effective solution that's the result of years of experience in tunnel lighting and underpass lighting, combined with the latest technologies developed by Philips. With its modular design and state-of-the-art LED architecture, TubePoint Gen2 is a versatile, cost-effective luminaire that meets the most stringent tunnel lighting requirements. Manufactured from the highest-quality components that are specifically designed for tunnels, these tunnel luminaires promise a long lifetime, great performance and low maintenance costs. The lighting efficiency and wide choice of optics means the number of luminaires required for an installation can be reduced significantly compared with conventional solutions. And a high lumen per watt ratio at system level improves the total cost of ownership. TubePoint Gen2 is part of the Philips TotalTunnel solution for complete tunnel lighting. A solution you can trust for versatile, high performance lighting in traffic tunnels.

Benefits

- Versatile luminaire range suitable all types of traffic tunnels
- Economical LED solution for point source tunnel lighting schemes
- High performance and efficient
- Quick and easy mounting

TubePoint gen2

Features

- Wide range of optics and lumen packages
- Mounting and connectivity options
- Option of a remote driver
- Compatible with tunnel controls from Philips and third parties
- Service tag: QR-based identification for maintenance, installation and spare part information

Application

- Tunnel
- Underpass

Versions

TubePoint GEN2 Small - LED
module 3000 lm



TubePoint GEN2 Medium



Product details

TubePoint_GEN2-BGP235_MB-
DPP.TIF



TubePoint_GEN2-
BGP235-1DPP.TIF



TubePoint_GEN2-BGP235_MBQ-
S-2DPP.TIF



TubePoint_GEN2-
BGP235_MBQ_M-DPP.TIF



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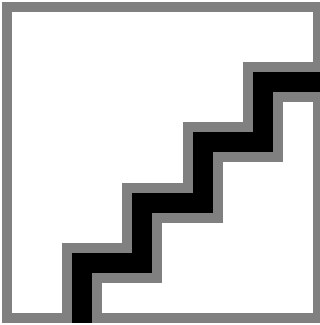
Product details



TubePoint_GEN2-
BGP235_BA_SO-8DPP.TIF



TubePoint_GEN2-
BGP235_MBQ_S-DPP.TIF



TubePoint_GEN2-
BGP235-2DPP.TIF



TubePoint_GEN2-BGP235_BA-
DPP.TIF



TubePoint_GEN2-
BGP235_MBQ_L-DPP.TIF



TubePoint_GEN2-BGP235_MBA-
DPP.TIF



TubePoint_GEN2-
BGP236-1DPP.TIF



TubePoint_GEN2-
BGP236-2DPP.TIF

TubePoint gen2

Application conditions

| | |
|-------------------|-----|
| Maximum dim level | 10% |
|-------------------|-----|

Approval and application

| | |
|--|--|
| Mech. impact protection code | IK09 |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 6 kV common mode |

Controls and dimming

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

General information

| | |
|-----------------------------|---|
| Luminaire light beam spread | 101° x 158° |
| CE mark | CE mark |
| Light source color | 740 neutral white |
| Optical cover/lens type | Flat glass |
| Driver included | Yes |
| Flammability mark | For mounting on normally flammable surfaces |
| Light source replaceable | Yes |
| Optic type | Distribution symmetrical medium 11 |
| Service tag | Yes |

Initial performance (IEC compliant)

| | |
|-------------------------------|--------|
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | >70 |

Light technical

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

Mechanical and housing

| | |
|-------|-----------|
| Color | Dark gray |
|-------|-----------|

General information

| Order Code | Full Product Name | Lamp family code | Number of gear units | Number of light sources | Product Family Code |
|--------------|--|------------------|----------------------|-------------------------|---------------------|
| 912300024108 | BGP235 LED30-4S/740 DSM11 D9 MIO-CIO MBQ | LED30 | 1 unit | 20 pcs | BGP235 |
| 912300024109 | BGP235 LED50-4S/740 DSM11 D9 MIO-CIO MBQ | LED50 | 1 unit | 20 pcs | BGP235 |
| 912300024110 | BGP235 LED90-4S/740 DSM11 D9 MIO-CIO MBQ | LED90 | 1 unit | 28 pcs | BGP235 |
| 912300024111 | BGP235 LED120-4S/740 DSM11 D9 MIO-CIO MB | LED120 | 1 unit | 40 pcs | BGP235 |
| 912300024112 | BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB | LED180 | 1 unit | 56 pcs | BGP235 |
| 912300024114 | BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB | LED360 | 2 units | 112 pcs | BGP236 |

Initial performance (IEC compliant)

| Order Code | Full Product Name | Initial luminous flux | Order Code | Full Product Name | Initial luminous flux |
|--------------|--|-----------------------|--------------|--|-----------------------|
| 912300024108 | BGP235 LED30-4S/740 DSM11 D9 MIO-CIO MBQ | 2520 lm | 912300024111 | BGP235 LED120-4S/740 DSM11 D9 MIO-CIO MB | 9840 lm |
| 912300024109 | BGP235 LED50-4S/740 DSM11 D9 MIO-CIO MBQ | 4200 lm | 912300024112 | BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB | 14940 lm |
| 912300024110 | BGP235 LED90-4S/740 DSM11 D9 MIO-CIO MBQ | 7470 lm | 912300024114 | BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB | 29880 lm |

Over time performance (IEC compliant)

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| Order Code | Full Product Name | Driver failure rate at 5000 h |
|--------------|--|-------------------------------|
| 912300024108 | BGP235 LED30-4S/740 DSM11 D9 MIO-CIO MBQ | 0.53 % |
| 912300024109 | BGP235 LED50-4S/740 DSM11 D9 MIO-CIO MBQ | 0.5 % |
| 912300024110 | BGP235 LED90-4S/740 DSM11 D9 MIO-CIO MBQ | 0.5 % |

| Order Code | Full Product Name | Driver failure rate at 5000 h |
|--------------|--|-------------------------------|
| 912300024111 | BGP235 LED120-4S/740 DSM11 D9 MIO-CIO MB | 0.5 % |
| 912300024112 | BGP235 LED180-4S/740 DSM11 D9 MIO-CIO MB | 0.5 % |
| 912300024114 | BGP236 LED360-4S/740 DSM11 D9 MIO-CIO MB | 0.5 % |

