



TubePoint

BGP231 LED50/740 DSM11 SRG D9 CFW MB

TubePoint Performer Mini, LED module 5000 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Many tunnel authorities have an outdated tunnel lighting installation that urgently needs to be replaced, but have only limited budget available.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 | LED50 [LED module 5000 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 |

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|-------------------|-----------|
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |

Light Technical

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|------------------------------------|------------------------------------|
| Upward light output ratio | 0 |
| Luminous Flux | 5,000 lm |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 170 lm/W |
| Color rendering index (CRI) | >70 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 101° x 158° |
| Optic type outdoor | Distribution symmetrical medium 11 |

Operating and Electrical

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|--|--------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 22 A |
| Inrush time | 290 ms |
| Power Consumption | 34 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Flying leads/wires |
| Cable | Cable 1.5 m without plug |
| Number of products on MCB of 16 A type B | 20 |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -30 to +35 °C |
|---------------------------|---------------|

Controls and Dimming

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| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |

Mechanical and Housing

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|------------------------|-----------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Glass |
| Fixation material | Stainless steel |
| Housing Color | Dark gray |

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|-------------------------------------|-------------------|
| Mounting device | - |
| Optical cover shape | Flat |
| Optical cover finish | Clear |
| Overall length | 344 mm |
| Overall width | 321 mm |
| Overall height | 77 mm |
| Effective projected area | 0.024 m² |
| Dimensions (Height x Width x Depth) | 77 x 321 x 344 mm |

Approval and Application

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| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 10 kV differential mode and 10 kV common mode |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

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|---------------------------------------|------------------------|
| Luminous flux tolerance | +/-5% |
| Initial chromaticity | (0.385, 0.395) SDCM <3 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |

Over Time Performance (IEC Compliant)

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| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h | L80 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 10% |

Product Data

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|---------------------------------|--------------------------------------|
| Order product name | BGP231 LED50/740 DSM11 SRG D9 CFW MB |
| Full product name | BGP231 LED50/740 DSM11 SRG D9 CFW MB |
| Full product code | 871869946362500 |
| Order code | 46362500 |
| Material Nr. (12NC) | 912300024018 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699463625 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699463625 |

