



DigiStreet

BGP763 LED320-/740 II DX70 DGR 76

DigiStreet Large, LED module 32000 lm, 740 neutral white, Safety class II, Distribution extra wide 70, Dark grey, Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode, Spigot for diameter 76 mm

Developed with the aim of becoming your long-term partner, the system-ready architecture of DigiStreet enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come! Its two sockets enable you to connect directly to the Philips CityTouch system and it is also prepared to connect you to the future innovations of IoT. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, no matter what stage of the luminaire's lifetime. DigiStreet is also equipped with dedicated light recipes that: 1) maintain optimal ecosystems for bats or 2) preserve a dark night sky.

Product data

| General Information | |
|--------------------------|----------------------------------------------------------------------------------------------------|
| Lamp family code | LED320 [LED module 32000 lm] |
| Light source replaceable | Yes |
| Number of gear units | 2 units |
| Driver included | Yes |
| Remarks | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED |
| Product family code | BGP763 [DigiStreet Large] |

| | |
|---------------------|---------------|
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |

| Light Technical | |
|----------------------------|---|
| Upwards light output ratio | 0 |

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|----------------------------------|----------------------------|
| Luminous Flux | 26,880 lm |
| Standard tilt angle post-top | 0° |
| Standard tilt angle side entry | 0° |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 143 lm/W |
| Colour rendering index (CRI) | 70 |
| Light source colour | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 106° x 44° |
| Optic type outdoor | Distribution extra wide 70 |

Operating and Electrical

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|------------------------------------------|-----------------|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 53 A |
| Inrush time | 0.3 ms |
| Power Consumption | 188 W |
| Power Factor (Fraction) | 0.99 |
| Connection | Screw connector |
| Cable | - |
| Number of products on MCB of 16 A type B | 4 |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |

Mechanical and Housing

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|-----------------------------|---------------------------|
| Housing material | Aluminium die cast |
| Reflector material | Polycarbonate |
| Optic material | Acrylate |
| Optical cover/lens material | Glass |
| Fixation material | Stainless steel |
| Housing Colour | Dark grey |
| Mounting device | Spigot for diameter 76 mm |
| Optical cover/lens shape | Flat |
| Optical cover/lens finish | Clear |
| Overall length | 1,011 mm |
| Overall width | 361 mm |
| Overall height | 121 mm |

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|-------------------------------------|---------------------|
| Effective projected area | 0.08 m² |
| Dimensions (height x width x depth) | 121 x 361 x 1011 mm |

Approval and Application

| | |
|----------------------------------------|------------------------------------------------------------------------------------|
| Ingress protection code | IP66 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Surge Protection (Common/Differential) | Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode |
| Sustainability rating | Lighting for circularity |
| Protection class IEC | Safety class II |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |

Initial Performance (IEC Compliant)

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|---------------------------------------|----------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.38. 0.38) SDCM <5 |
| 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 100,000 h | 10 % |
| Lumen maintenance at median useful life* 100,000 h | L96 |

Application Conditions

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|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | Not applicable |

Product Data

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|-----------------------------------|-----------------------------------|
| Order product name | BGP763 LED320-/740 II DX70 DGR 76 |
| Full product name | BGP763 LED320-/740 II DX70 DGR 76 |
| Full EOC | 871869637843400 |
| Order code | 37843400 |
| Material no. (12 NC) | 910925866253 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718696378434 |
| Numerator – packs per outer box | 1 |
| EAN/UPC - Case | 8718696378434 |

Dimensional drawing

