



Copenhagen LED Big

BDS441 GRN49-3S/740 II DC GR RF C10K

Big Copenhagen LED central, LED GreenLine 4900 lm, 740 neutral white, Safety class II, Distribution comfort, Flat glass, Cable 10 m without plug

Copenhagen LED was co-designed together with Copenhagen's Office of City Architecture in order to enhance the aesthetic appeal of the city's lighting. The luminaire's timeless design comes in two sizes – mini and large – to ensure that the dimensions of the luminaire and pole are well balanced, and that the installation blends in harmoniously with its surroundings. A variety of suspensions are available, offering maximum freedom in the overall design of the installation. A choice of symmetrical or asymmetrical distributions and state-of-the-art LED technology complete the specification of an extremely adaptable luminaire.

Product data

| General Information | | Lighting Technology | |
|--------------------------|---|--------------------------------|---|
| Lamp family code | GRN49 [LED GreenLine 4900 lm] | Embedded control | - |
| Light source replaceable | Yes | CE mark | Yes |
| Number of gear units | 1 unit | Warranty period | 5 years |
| Driver included | Yes | Flammability mark | For mounting on normally flammable surfaces |
| 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. | ENEC mark | - |
| Light source engine type | LED | EU RoHS compliant | Yes |
| Product family code | BDS441 [Big Copenhagen LED central] | Light Technical | |
| | | Upward light output ratio | 0 |
| | | Luminous Flux | 4,080 lumen |
| | | Standard tilt angle posttop | 0° |
| | | Standard tilt angle side entry | 0° |

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|------------------------------------|----------------------|
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 117 lm/W |
| Color rendering index (CRI) | ≥70 |
| Number of light sources | 1 |
| Light source color | 740 neutral white |
| Optical cover type | Flat glass |
| Luminaire light beam spread | 180° |
| Optic type outdoor | Distribution comfort |

Operating and Electrical

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|--|-------------------------|
| Input Voltage | 220/240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 46 A |
| Inrush time | 0.25 ms |
| Power Consumption | 62 W |
| Power Factor (Fraction) | 0.9 |
| Connection | - |
| Cable | Cable 10 m without plug |
| Number of products on MCB of 16 A type B | 8 |

Temperature

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

Controls and Dimming

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

Mechanical and Housing

| | |
|------------------------|---------------|
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Glass |
| Fixation material | Aluminum |
| Housing Color | Grey |
| Mounting device | - |
| Optical cover shape | Flat |
| Optical cover finish | Clear |

| | |
|--------------------------|---------|
| Overall height | 367 mm |
| Overall diameter | 462 mm |
| Effective projected area | 0.13 m² |

Approval and Application

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|--|--|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| Protection class IEC | Safety class II |

Initial Performance (IEC Compliant)

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|---------------------------------------|------------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.382, 0.380) 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 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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|---------------------------------|--------------------------------------|
| Full product code | 871829108376400 |
| Order product name | BDS441 GRN49-3S/740 II DC GR RF C10K |
| Order code | 919008632080 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 919008632080 |
| Full product name | BDS441 GRN49-3S/740 II DC GR RF C10K |
| EAN/UPC - Case | 8718291083764 |
| EAN/UPC - Product/Case | 8718291083764 |

