



# Copenhagen LED Small

## BRS443 GRN24-3S/830 II O-DC CLO-DDF6 C10

Little Copenhagen LED side entry, LED GreenLine 2400 lm, 830 warm white, Safety class II, Distribution comfort, Constant light output and DynaDimmer fixed presets version 6, 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      |  | B10. Therefore, the median useful life (B50) value also represents the B10 value.* At extreme ambient temperatures the luminaire might automatically dim down to protect components |  |
|--------------------------|--|---|--|
| Lamp family code         | GRN24 [LED GreenLine 2400 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 |   |  |
|                          |  | Light source engine type  | LED  |
|                          |  | Product family code   | BRS443 [Little Copenhagen LED side entry]                    |
|                          |  | Lighting Technology   | LED  |
|                          |  | Embedded control  | Constant light output and DynaDimmer fixed presets version 6 |

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|                   |   |
|-------------------|---|
| CE mark           | Yes   |
| Warranty period   | 5 years                                     |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark         | -   |
| EU RoHS compliant | Yes   |

## Light Technical

|                                    |                      |
|------------------------------------|----------------------|
| Upward light output ratio          | 0                    |
| Luminous Flux                      | 2,000 lumen          |
| Standard tilt angle posttop        | 0°                   |
| Standard tilt angle side entry     | 0°                   |
| Correlated Color Temperature (Nom) | 3000 K               |
| Luminous Efficacy (rated) (Nom)    | 73 lm/W              |
| Color rendering index (CRI)        | ≥80                  |
| Number of light sources            | 1                    |
| Light source color                 | 830 warm white       |
| Optical cover type                 | Flat glass           |
| Luminaire light beam spread        | 180°                 |
| Optic type outdoor                 | Distribution comfort |

## Operating and Electrical

|   |                         |
|---|-------------------------|
| Input Voltage                               | 220/240 V               |
| Line Frequency                              | 50 to 60 Hz             |
| Initial CLO power consumption               | 24 W                    |
| Average CLO power consumption               | 26 W                    |
| End CLO power consumption                   | 29 W                    |
| Inrush current                              | 27 A                    |
| Inrush time                                 | 0.265 ms                |
| Power Consumption                           | 26 W                    |
| Power Factor (Fraction)                     | 0.9                     |
| Connection                                  | -                       |
| Cable                                       | Cable 10 m without plug |
| Number of products on MCB of 16 A type 20 B |                         |

## Temperature

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

## Controls and Dimming

|                               |  |
|-------------------------------|--|
| Dimmable                      | No   |
| Driver/power unit/transformer | Power supply unit with DynaDimmer and constant light output (integrated) |
| Control interface             | -  |
| Constant light output         | Yes  |

## Mechanical and Housing

|                    |   |
|--------------------|---|
| Reflector material | - |
|--------------------|---|

|                          |                               |
|--------------------------|-------------------------------|
| Optic material           | Polycarbonate                 |
| Optical cover material   | Glass                         |
| Fixation material        | Aluminum                      |
| Housing Color            | Opal                          |
| Mounting device          | Side-entry for diameter 48 mm |
| Optical cover shape      | Flat                          |
| Optical cover finish     | Clear                         |
| Overall height           | 312 mm                        |
| Overall diameter         | 380 mm                        |
| Effective projected area | 0.08 m²                       |

## Approval and Application

|  |  |
|--|--|
| 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)

|                                       |                        |
|---------------------------------------|------------------------|
| Luminous flux tolerance               | +/-7%                  |
| Initial chromaticity                  | (0.434, 0.403) SDCM <5 |
| Power consumption tolerance           | +/-10%                 |
| Init. Color Rendering Index Tolerance | +/-2                   |

## Over Time Performance (IEC Compliant)

|  |      |
|--|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h        | L100 |

## Application Conditions

|                                    |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
|------------------------------------|-------|

## Product Data

|                                 |  |
|---------------------------------|--|
| Full product code               | 871829198550100                          |
| Order product name              | BRS443 GRN24-3S/830 II O-DC CLO-DDF6 C10 |
| Order code                      | 919008632182                             |
| Numerator - Quantity Per Pack   | 1  |
| Numerator - Packs per outer box | 1  |
| Material Nr. (12NC)             | 919008632182                             |
| Full product name               | BRS443 GRN24-3S/830 II O-DC CLO-DDF6 C10 |
| EAN/UPC - Case                  | 8718291985501                            |
| EAN/UPC - Product/Case          | 8718291985501                            |

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### Dimensional drawing

