

## BN126C LED38S/830 PSU L1200

911401834084



## CoreLine Batten, 31 W, L1200 mm, 3800 lm, 3000 K, Opal, IP20/40, TW1-ready

L1200 mm, Steel, White, Signal white (RAL9003), Power supply unit (On/Off), 3800 lm, 31 W, 120 lm/W, 3000 K, (0.43, 0.40) SDCM $\leq$ 3, Beam angle 120°, Opal, Polycarbonate, IP20 | Finger-protected, IK04 | 0.5 J standard plus, Safety class I, Push-in connector 3-pole, Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)

### Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

## General Information

|                          |             |
|--------------------------|-------------|
| Light source replaceable | No          |
| Number of gear units     | 1 unit      |
| Driver included          | Yes         |
| Service tag              | Yes         |
| Lighting Technology      | LED         |
| Value ladder             | Performance |
| Warranty period          | 5 years     |

## Light Technical

|                                    |                 |
|------------------------------------|-----------------|
| Luminous Flux                      | 3,800 lm        |
| Saturated Red (R9)                 | <50             |
| Correlated Color Temperature (Nom) | 3000 K          |
| Luminous Efficacy (rated) (Nom)    | 120 lm/W        |
| Color rendering index (CRI)        | >80             |
| Light source color                 | 830 warm white  |
| Optic type                         | Beam angle 120° |
| Luminaire light beam spread        | 120°            |
| Unified glare rating CEN           | 26              |

## Operating and Electrical

|                                          |                                                                                                                   |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Input Voltage                            | 220-240 V                                                                                                         |
| Line Frequency                           | 50 or 60 Hz                                                                                                       |
| Inrush current                           | 11.6 A                                                                                                            |
| Inrush time                              | 0.499 ms                                                                                                          |
| Power Consumption                        | 31 W                                                                                                              |
| Power Factor (Fraction)                  | 0.9                                                                                                               |
| Connection                               | Push-in connector 3-pole                                                                                          |
| Cable                                    | -                                                                                                                 |
| Number of products on MCB of 16 A type B | 13                                                                                                                |
| Suitable for random switching            | Not applicable                                                                                                    |
| Protection class IEC                     | Safety class I                                                                                                    |
| Feed-through wiring                      | Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included) |

## Controls and Dimming

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

## Mechanical and Housing

|                                     |                            |
|-------------------------------------|----------------------------|
| Housing Material                    | Steel                      |
| Reflector material                  | -                          |
| Optic material                      | Polycarbonate              |
| Optical cover material              | Polycarbonate              |
| Fixation material                   | -                          |
| Housing Color                       | White                      |
| Optical cover finish                | Opal                       |
| Overall length                      | 1,135 mm                   |
| Overall width                       | 65 mm                      |
| Overall height                      | 65 mm                      |
| Dimensions (Height x Width x Depth) | 65 x 65 x 1135 mm          |
| Ingress protection code             | IP20 [Finger-protected]    |
| Mech. impact protection code        | IK04 [0.5 J standard plus] |
| Net Weight (Piece)                  | 1.100 kg                   |

## Approval and Application

|                                                                 |                                                |
|-----------------------------------------------------------------|------------------------------------------------|
| Glow-wire test                                                  | Temperature 650 °C, duration 30 s              |
| Flammability mark                                               | For mounting on normally flammable surfaces    |
| CE mark                                                         | Yes                                            |
| ENEC mark                                                       | ENEC mark                                      |
| Photobiological risk                                            | Photobiological risk group 0 @200mm to EN62778 |
| Photobiological risk specification                              | 0.2 m                                          |
| EU RoHS compliant                                               | Yes                                            |
| Performance ambient temperature Tq                              | 25 °C                                          |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1                                              |
| Stroboscopic effect visibility measure (SVM)                    | 1.6                                            |
| Ambient temperature range                                       | -20 to +40 °C                                  |

Initial Performance (IEC Compliant)

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Luminous flux tolerance                                | +/-10%              |
| Initial chromaticity                                   | (0.43, 0.40) SDCM≤3 |
| Power consumption tolerance                            | +/-10%              |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤3              |

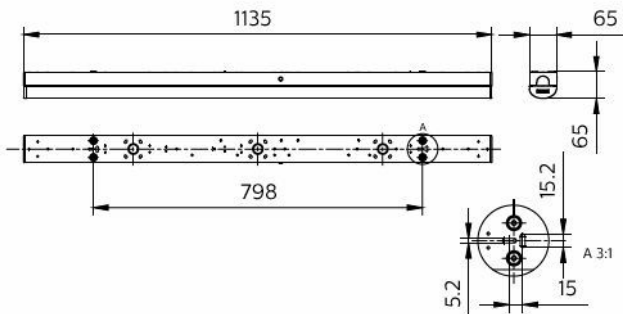
Over Time Performance (IEC Compliant)

|                                                                      |     |
|----------------------------------------------------------------------|-----|
| Control gear failure rate at median useful life 50000 h              | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h  | L80 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L70 |

Sustainability Data

|                                                    |                                                                                                                                                            |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainability rating                              | Unclassified                                                                                                                                               |
| Repair class                                       | Repair Class D, this product is not designed to be repaired.                                                                                               |
| Embedded carbon (A1-A3)                            | 13.9 kg CO <sub>2</sub> e                                                                                                                                  |
| Product non-virgin material ratio                  | 25.5 %                                                                                                                                                     |
| Recyclable content ratio of the finished product   | 66.8 %                                                                                                                                                     |
| GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh) |

Dimensional drawing

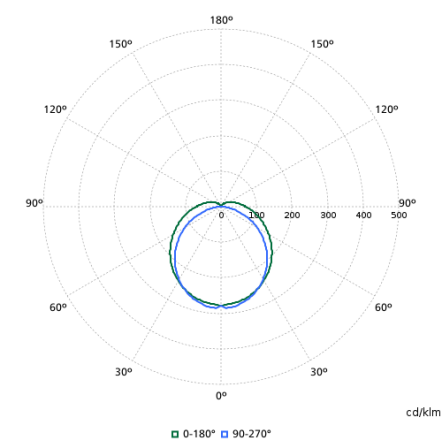


|                                                      |                                                                                                                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh) |
| Non-virgin material ratio of the packaging           | Cardboard > 80% recycled                                                                                                                                                           |
| Packaging Recyclable content ratio                   | Cardboard recycling rate > 80%                                                                                                                                                     |
| Packaging Material                                   | Cardboard                                                                                                                                                                          |

Product Data

|                                 |                             |
|---------------------------------|-----------------------------|
| Order product name              | BN126C LED38S/830 PSU L1200 |
| Full product name               | BN126C LED38S/830 PSU L1200 |
| Full product code               | 871951494879299             |
| Order code                      | 911401834084                |
| Material Nr. (12NC)             | 911401834084                |
| Local order code                | BN12638L8304FT              |
| Numerator - Quantity Per Pack   | 1                           |
| EAN/UPC - Product/Case          | 8719514948792               |
| Numerator - Packs per outer box | 8                           |
| EAN/UPC - Case                  | 8719514949010               |

Polar normal diagrams



Compatible Accesories

| Accessory Image                                                                   | Accessory Code | Accessory Name | Website                         |
|-----------------------------------------------------------------------------------|----------------|----------------|---------------------------------|
|  | 911401776802   | BN126Z SC      | <a href="#">Product Website</a> |

Related Documents

| Documents and certificates        | Document Name                                                            | Download                 |
|-----------------------------------|--------------------------------------------------------------------------|--------------------------|
| Tender text                       | Tender_Text_911401834084_en_NZ.txt                                       | <a href="#">Download</a> |
| Environmental Product Declaration | EPD-Philips-CoreLine-Batten-BN126C-LED38S-830-PSU-L1200-911401834084.pdf | <a href="#">Download</a> |
| Installation Instructions         | BN126C G4-MI-PSU_V4_2023 05.pdf                                          | <a href="#">Download</a> |
| Photometry and lighting design    | Document Name                                                            | Download                 |
| LDT File                          | LDT File - 911401834084.ldt                                              | <a href="#">Download</a> |
| ROLF File                         | ROLF File - 911401834084.rolfz                                           | <a href="#">Download</a> |
| ULD File                          | ULD File - 911401834084.uld                                              | <a href="#">Download</a> |
| Revit file                        | Revit file - 911401834084.zip                                            | <a href="#">Download</a> |

