

BN021C LED20S/840  
L1200

911401842382



Ledinaire Batten, 20 W, L1200 mm, 2100 lm, 2100 lm, 4000 K, Opal, IP20, TW1-ready

L1200 mm, Polycarbonate, White, Power supply unit (On/Off), 2100 lm, 2100 lm, 20 W, 105 lm/W, 4000 K, 0.38, 0.38, SDCM≤5, Very wide beam, Opal, Polycarbonate, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II, Plug-in connector 2-pole, Simple Connection and removable cover available for feed-through wiring 1-phase (internal wiring is not included)

General Information

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

Light Technical

|                                    |                   |
|------------------------------------|-------------------|
| Luminous Flux                      | 2,100 lm          |
| Saturated Red (R9)                 | <50               |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 105 lm/W          |
| Color rendering index (CRI)        | >80               |
| Light source color                 | 840 neutral white |
| Optic type                         | Very wide beam    |
| Luminaire light beam spread        | 174°              |
| Unified glare rating CEN           | 27                |

## Operating and Electrical

|                                          |                                                                                                                   |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Input Voltage                            | 220 to 240 V                                                                                                      |
| Line Frequency                           | 50 or 60 Hz                                                                                                       |
| Inrush current                           | 14.3 A                                                                                                            |
| Inrush time                              | 0.001 ms                                                                                                          |
| Power Consumption                        | 20 W                                                                                                              |
| Power Factor (Fraction)                  | 0.9                                                                                                               |
| Connection                               | Plug-in connector 2-pole                                                                                          |
| Cable                                    | -                                                                                                                 |
| Number of products on MCB of 16 A type B | 10                                                                                                                |
| Suitable for random switching            | Not applicable                                                                                                    |
| Protection class IEC                     | Safety class II                                                                                                   |
| 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                         |
| Maximum dim level             | Not applicable             |

## Mechanical and Housing

|                                     |                         |
|-------------------------------------|-------------------------|
| Housing Material                    | Polycarbonate           |
| Reflector material                  | Polycarbonate           |
| Optic material                      | Polycarbonate           |
| Optical cover material              | Polycarbonate           |
| Fixation material                   | -                       |
| Housing Color                       | White                   |
| Optical cover finish                | Opal                    |
| Overall length                      | 1,186 mm                |
| Overall width                       | 28.4 mm                 |
| Overall height                      | 35.7 mm                 |
| Dimensions (Height x Width x Depth) | 36 x 28 x 1186 mm       |
| Ingress protection code             | IP20 [Finger-protected] |
| Mech. impact protection code        | IK02 [0.2 ] standard]   |
| Net Weight (Piece)                  | 0.160 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                          | -                                              |
| 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                                          |
| Ambient temperature range          | -20 to +40 °C                                  |

## Initial Performance (IEC Compliant)

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Luminous flux tolerance                                | +/-10%             |
| Initial chromaticity                                   | 0.38, 0.38, SDCM≤5 |
| Power consumption tolerance                            | +/-10%             |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5             |

## Over Time Performance (IEC Compliant)

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| Control gear failure rate at median useful life 50000 h             | 7.5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L65   |

## Sustainability Data

|                                                      |                                                                                                                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainability rating                                | Unclassified                                                                                                                                                                       |
| Repair class                                         | Repair Class D, this product is not designed to be repaired.                                                                                                                       |
| Embedded carbon (A1-A3)                              | 2.52 kg CO <sub>2</sub> e                                                                                                                                                          |
| Product non-virgin material ratio                    | 10 %                                                                                                                                                                               |
| Recyclable content ratio of the finished product     | 43.9 %                                                                                                                                                                             |
| 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)                         |
| 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                                                                                                                                                           |

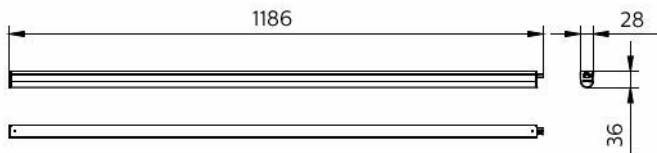
|                                    |                                |
|------------------------------------|--------------------------------|
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% |
|------------------------------------|--------------------------------|

|                    |           |
|--------------------|-----------|
| Packaging Material | Cardboard |
|--------------------|-----------|

## Product Data

|                                 |                         |
|---------------------------------|-------------------------|
| Order product name              | BN021C LED20S/840 L1200 |
| Full product name               | BN021C LED20S/840 L1200 |
| Full product code               | 871951452790499         |
| Order code                      | 52790499                |
| Material Nr. (12NC)             | 911401842382            |
| Numerator - Quantity Per Pack   | 1                       |
| EAN/UPC - Product/Case          | 8719514527904           |
| Numerator - Packs per outer box | 40                      |
| EAN/UPC - Case                  | 8719514528000           |

## Dimensional drawing



## Related Documents

| Documents and certificates        | Document Name                                                         | Download                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Environmental Product Declaration | EPD-Philips-Ledinaire-batten-BN021C-LED20S-840-L1200-911401842382.pdf | <a href="#">Download</a>  |
| Installation Instructions         | BN021C EU-MI-0427_Final v3.pdf                                        | <a href="#">Download</a>  |
| Photometric and IES               | Document Name                                                         | Download                                                                                                       |
| LDT File                          | LEDINAIRE-BATTEN-BN021C-L1200-1xLED20S-840-PSU.Idt                    | <a href="#">Download</a>  |