PHILIPS

**BN126C LED35S_52S/ 830_40 PSU L1500**

911401850687




Multi ColorTemp

Multi Lumen

# CoreLine Batten, All-in, 37 W, 25 W, L1500 mm, 3500 lm, 5200 lm, 3000 K, 4000 K, Opal, IP20/40, EL-ready

L1500 mm, Metal–Plastic, White, Signal white (RAL9003), Power supply unit (On/Off), All-in, Multi Color Temperature, All-in, Multi Lumen, 3500 lm, 5200 lm, 37 W, 25 W, 140 lm/W, 3000 K, 4000 K, (0.43,0.40) SDCM≤3, Symmetrical, Opal, Polycarbonate, IP20/40 | Finger-protected;Wire-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), Self-contained emergency lighting is possible when used with a compatible battery kit accessory

## 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

| | |
|---|---|
| Number of gear units | 1 unit |
| Driver included | Yes |
| Sustainability rating | Unclassified |
| Service tag | Yes |
| Value ladder | Performance |
| Warranty period | 5 years |

## Light Technical

| | |
|---|---|
| Luminous Flux | 3,500 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 140 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | Multi Color Temperature |
| Optic type | Symmetrical |
| Luminaire light beam spread | 120° |
| Unified glare rating CEN | 25 |
| All-in Type | All-in, Multi Color Temperature |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 10.6 A |
| Inrush time | 0.527 ms |
| Power Consumption | 37 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 | Yes |
| 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 | Metal–Plastic |
| Reflector material | Polycarbonate |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Steel |
| Housing Color | White |
| Optical cover finish | Opal |
| Overall length | 1,450 mm |
| Overall width | 65 mm |
| Overall height | 65 mm |
| Dimensions (Height x Width x Depth) | 65 x 65 x 1450 mm |
| Ingress protection code | IP20/40 [Finger-protected;Wire-protected] |
| Mech. impact protection code | IK04 [0.5 J standard plus] |
| Mounting | Ceiling |
| Net Weight (Piece) | 1.230 kg |

## Emergency Operation

| | |
|---|---|
| Emergency flux | 300 lm |
| Central Emergency | No |
| Emergency lighting | Self-contained emergency lighting is possible when used with a compatible battery kit accessory |
| Emergency function testing method | Manual / Test button |

## 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 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Ambient temperature range | -20 to +40 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | -10%,+15% |
| 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 % |
| Control gear failure rate at median useful life 100000 h | 0.1 % |
| 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 | L80 |

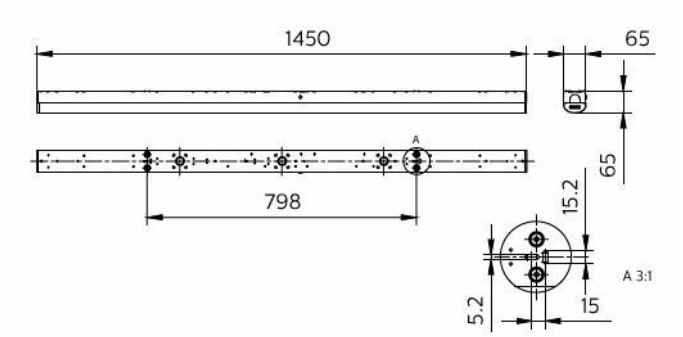
## Sustainability Data

| | |
|---|---|
| Repair class | Repair Class D, this product is not designed to be repaired. |
| Embedded carbon (A1-A3) | 15.8 kg $CO_2e$ |
| Product non-virgin material ratio | 35.8 % |
| Recyclable content ratio of the finished product | 50.9 % |
| GWP total B6 (kg CO2eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh) |
| GWP total B6 (kg CO2eq) 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 CO2 eq / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% |
| Packaging Material | Cardboard |

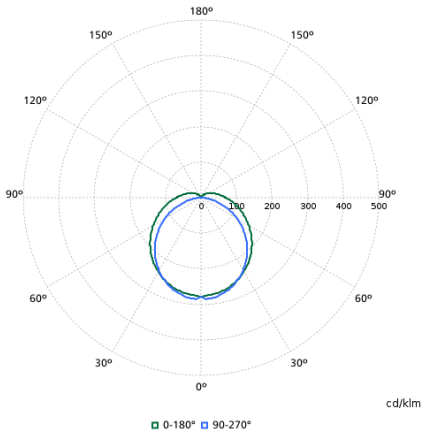
## Product Data

| | |
|---|---|
| Order product name | BN126C LED35S_52S/830_40 PSU L1500 |
| Full product name | BN126C LED35S_52S/830_40 PSU L1500 |
| Full product code | 872016976841399 |
| Order code | 911401850687 |
| Material Nr. (12NC) | 911401850687 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169768413 |
| Numerator - Packs per outer box | 6 |
| EAN/UPC - Case | 8720169768499 |

## Dimensional drawing



## Polar normal diagrams




## Compatible Accesories

| Accessory Image | Accessory Code | Accessory Name | Website |
|---|---|---|---|
|  | 911401776802 | BN126Z SC | Product Website |
|  | 912401483603 | EM300V ELB_ELP3 kit HV 6.4V 2000mAh LFP | Product Website |

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-PHILIPS-CoreLine-Batten-BN126C-All-In-Ref-911401850687.pdf | Download |
| Installation Instructions | MI-CoreLine-BN126C-All-in-combined-upgraded.pdf | Download |
| Tender text | Tender_Text_911401850687_en_AA.txt | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | bn126c-led35s-52s-830-40-psu-l1500-911401850687.ies | Download |
| LDT File | bn126c-led35s-52s-830-40-psu-l1500-911401850687.ldt | Download |
| ROLF File | bn126c-led35s-52s-830-40-psu-l1500-911401850687.rolfz | Download |
| ULD File | bn126c-led35s-52s-830-40-psu-l1500-911401850687.uld | Download |
| Revit file | bn126c-led35s-52s-830-40-psu-l1500-911401850687.zip | Download |

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