PHILIPS

**WT140C 70S/840 WIA L1500 TW3**

911401893288



signify interact

# CoreLine waterproof quick-fit, 43.5 W, L1530 mm, 7000 lm, 4000 K, Wireless, Interact Ready, Symmetrical, Opal, IP65, IK08, TW3

L1530 mm, Polycarbonate, White RAL 9003, Wireless driver Interact System ready, 7000 lm, 43.5 W, 161 lm/W, 4000 K, (0.38, 0.37) SDCM<3, Symmetrical, Opal, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 6 J, Safety class I, Push-in connector 5-pole, Feed-through wiring 3-phase

## Warnings and Safety

- UV radiation will damage the material over time resulting in loss of waterproof sealing and IP66 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

## General Information

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

## Light Technical

| | |
|---|---|
| Luminous Flux | 7,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 161 lm/W |
| Color rendering index (CRI) | 80 |
| Light source color | 840 neutral white |
| Optic type | Symmetrical |
| Luminaire light beam spread | 110° |
| Unified glare rating CEN | 27 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 25.1 A |
| Inrush time | 0.214 ms |
| Power Consumption | 43.5 W |
| Power Factor (Fraction) | 0.90 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 21 |
| Suitable for random switching | Yes |
| Protection class IEC | Safety class I |
| Feed-through wiring | Feed-through wiring 3-phase |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Wireless driver Interact System ready |
| Control interface | Wireless |
| Constant light output | No |
| Connectivity | Interact Ready |

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Polycarbonate |
| Reflector material | Steel |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Stainless steel |
| Housing Color | White RAL 9003 |
| Optical cover finish | Opal |
| Overall length | 1,530 mm |
| Overall width | 74 mm |
| Overall height | 69 mm |
| Dimensions (Height x Width x Depth) | 69 x 74 x 1530 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [6 J] |
| Net Weight (Piece) | 1.540 kg |

## Emergency Operation

| | |
|---|---|
| Emergency lighting | - |

## Approval and Application

| | |
|---|---|
| Glow-wire test | Temperature 850 °C, duration 30 s |
| Flammability mark | For mounting on normally flammable surfaces |
| CE mark | Yes |
| ENEC mark | KEMA Netherlands |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Ambient temperature range | -25 to +40 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | -10% / +10% |
| Initial chromaticity | (0.38, 0.37) 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 | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L90 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L80 |

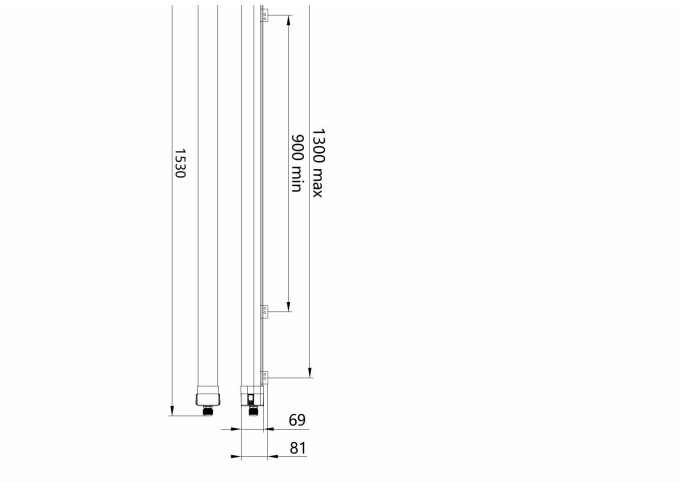
## Sustainability Data

| | |
|---|---|
| Repair class | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3) | 14.6 kg $CO_2e$ |
| Product non-virgin material ratio | 12.6 % |
| Recyclable content ratio of the finished product | 31.1 % |
| 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 |

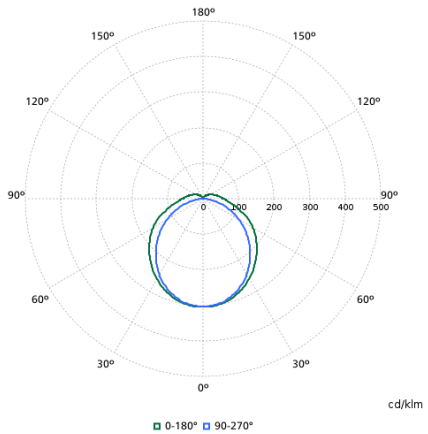
## Product Data

| | |
|---|---|
| Order product name | WT140C 70S/840 WIA L1500 TW3 |
| Full product name | WT140C 70S/840 WIA L1500 TW3 |
| Full product code | 872110370497999 |
| Order code | 911401893288 |
| Material Nr. (12NC) | 911401893288 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8721103704979 |
| Numerator - Packs per outer box | 9 |
| EAN/UPC - Case | 8721103705068 |

## Dimensional drawing




## Polar normal diagrams




## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-HUB-EPD-PHILIPS-WT140C-46-57-68-80S-840-PSU-L1500-TW3-911401892688.pdf | Download |
| Installation Instructions | Installation-instruction-CoreLine-waterproof-quick-fit-WT140-202607.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | wt140c-70s-840-wia-l1500-tw3-911401893288.ies | Download |
| LDT File | wt140c-70s-840-wia-l1500-tw3-911401893288.ldt | Download |
| ROLF File | wt140c-70s-840-wia-l1500-tw3-911401893288.rolfz | Download |
| ULD File | wt140c-70s-840-wia-l1500-tw3-911401893288.uld | Download |
| Revit file | wt140c-70s-840-wia-l1500-tw3-911401893288.zip | Download |

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