



CoreLine Fastset, surface-mounted

SM155C 37 60S/830 840 PSED TW1 PI5 L1440

CoreLine Fastset, surface-mounted, All-in, 43.5 W, 25.5 W, L1440 mm, 3700 lm, 6000 lm, 3000 K, 4000 K, EL-DC

Philips CoreLine FastSet is a 1:1 energy-efficient LED replacement for conventional indoor surface-mounted lights. With identical lumen packages to fluorescent lighting, there's no need to make new lighting calculations for retrofit projects – thanks to the all-in-one design, you can switch between correlated color temperatures (CCT) and lumen package in the same luminaire to suit your exact needs. Installation of these surface-mounted LED lights is fast and flexible too with a choice of simple through-wring, or cable entry from the side or back of the luminaire. That means CoreLine FastSet indoor surface-mounted lights are easy to mount as a standalone fixture, directly to the surface-mounted or using brackets. You can also create a line of light due to straight end-caps with head to head mounting. It is also easy to connect them to other CoreLine Fastset luminaires to create harmonious lines of light. Should you require it, accessories are also available to adapt the CoreLine fixtures for suspended mounting. As you'd expect from Philips, safety is designed into every CoreLine FastSet luminaire. Not only are the IP44 and IK06 rated to protect against accidental impact, the captive safety pins on the luminaire cover also prevents it from falling. Interact Ready options are available for smart lighting applications. So with CoreLine FastSet surface-mounted LED lights, you have the perfect solution for high circulation areas such as hallways and staircase lighting.

Product data

| General Information | | Driver included | Yes |
|----------------------|--------|-----------------|-----|
| Number of gear units | 1 unit | Service tag | Yes |

Datasheet, 2025, January 10 data subject to change

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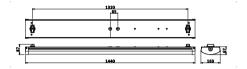
| Value ladder | Performance | Dimensions (Height x Width x Depth) | 67 x 163 x 1440 mm |
|--|---|--|---|
| Warranty period | 5 years | Ingress protection code | IP20/44 [Finger-protected; wire- |
| Sustainability rating | - | | protected, splash-proof] |
| | | Mech. impact protection code | IK06 [1 J] |
| Light Technical | | Net Weight (Piece) | 3.200 kg |
| Luminous Flux | 3,700 6,000 lm | | |
| Saturated Red (R9) | <50 | Emergency Operation | |
| Correlated Color Temperature (Nom) | 3000 4000 K | Emergency flux | 530 lm |
| Luminous Efficacy (rated) (Nom) | 138 lm/W | Power consumption during Central DC | 6 W |
| Color rendering index (CRI) | >80 | emergency mode | |
| Light source color | - | Central Emergency | Yes |
| Optic type | Opal | Emergency lighting | DC operated central emergency lighting |
| Luminaire light beam spread | 110° | | |
| Unified glare rating CEN | 25 | Approval and Application | |
| All-in Type | All-in, Multi Lumen All-in, Multi Color | Glow-wire test | Temperature 650 °C, duration 30 s |
| | Temperature | Flammability mark | For mounting on normally flammable |
| | | | surfaces |
| Operating and Electrical | | CE mark | Yes |
| Input Voltage | 220 to 240 V | ENEC mark | ENEC mark |
| Line Frequency | 50 or 60 Hz | Photobiological risk | Photobiological risk group 0 @ 200mm to |
| Inrush current | 25 A | | EN62471 |
| Inrush time | 0.214 ms | Photobiological risk specification | 0.2 m |
| Power Consumption | 43.5 25.5 W | EU RoHS compliant | Yes |
| Power Factor (Fraction) | 0.9 | Performance ambient temperature Tq | 25 ℃ |
| Connection | Push-in connector 5-pole | Flickering value (PstLM) - Flickering value as | <u> </u> |
| Cable | - | per EN 61000-3-3 | |
| Number of products on MCB of 16 A type B | 18 | Stroboscopic effect visibility measure (SVM) | 0.4 |
| Suitable for random switching | Yes | Ambient temperature range | -20 °C to 45 °C |
| Protection class IEC | Safety class I | | |
| Feed-through wiring | Feed-through wiring 1-phase | Initial Performance (IEC Compliant) | |
| Total harmonic distortion | 20 % | Luminous flux tolerance | +/-10% |
| | | Initial chromaticity | (0.38,0.38)SDCM<3;(0.44,0.40)SDCM<3 |
| Controls and Dimming | | Power consumption tolerance | +/-10% |
| Dimmable | Yes | Standard Deviation of Colour Matching | SDCM≤3 |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC | (McAdam ellipse) | |
| | compatible for central emergency lighting | | |
| | (integrated) | Over Time Performance (IEC Complian | nt) |
| Control interface | - | Control gear failure rate at median useful | 5 % |
| Constant light output | No | life 50000 h | |
| Maximum dim level | 1% | Lumen maintenance at median useful life* | L80 |
| | | 50000 h | |
| Mechanical and Housing | | Lumen maintenance at median useful life* | L65 |
| Housing Material | Steel | 100000 h | |
| Reflector material | Steel | | |
| Optic material | Polycarbonate | Product Data | |
| Optical cover material | Polycarbonate | Order product name | SM155C 37_60S/830_840 PSED TW1 PI5 |
| Fixation material | - | | L1440 |
| Housing Color | White | Full product name | SM155C 37_60S/830_840 PSED TW1 PI5 |
| | | | |
| Optical cover finish | Opal | | L1440 |
| | | Full product code | 872016975074699 |
| Optical cover finish | Opal | Full product code Order code | |
| Optical cover finish Overall length | Opal 1,440 mm | | 872016975074699 |

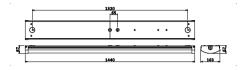
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| Numerator - Quantity Per Pack | 1 |
|---------------------------------|---------------|
| EAN/UPC - Product/Case | 8720169750746 |
| Numerator - Packs per outer box | 4 |

| FAN (UDC C | 0720100750701 |
|----------------|---------------|
| EAN/UPC - Case | 8720169750791 |

Dimensional drawing







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