



# CoreLine Fastset, surface-mounted

SM155C 30\_48S/830\_840 PSED TW1 PI5 L1160

CoreLine Fastset, surface-mounted, All-in, 34.5 W, 20.5 W, L1160 mm, 3000 lm, 4800 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-wiring, 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  |        |
|----------------------|--------|
| Number of gear units | 1 unit |

|                 |     |
|-----------------|-----|
| Driver included | Yes |
| Service tag     | Yes |

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|                       |             |
|-----------------------|-------------|
| Value ladder          | Performance |
| Warranty period       | 5 years     |
| Sustainability rating | -           |

### Light Technical

|                                    |   |
|------------------------------------|---|
| Luminous Flux                      | 3,000 4,800 lm                                      |
| Saturated Red (R9)                 | <50   |
| Correlated Color Temperature (Nom) | 3000 4000 K   |
| Luminous Efficacy (rated) (Nom)    | 139 lm/W  |
| Color rendering index (CRI)        | >80   |
| Light source color                 | -   |
| Optic type                         | Opal  |
| Luminaire light beam spread        | 110°  |
| Unified glare rating CEN           | 25  |
| All-in Type                        | All-in, Multi Lumen All-in, Multi Color Temperature |

### Operating and Electrical

|  |                             |
|--|-----------------------------|
| Input Voltage                            | 220 to 240 V                |
| Line Frequency                           | 50 or 60 Hz                 |
| Inrush current                           | 25 A                        |
| Inrush time                              | 0.214 ms                    |
| Power Consumption                        | 34.5 20.5 W                 |
| Power Factor (Fraction)                  | 0.9                         |
| Connection                               | Push-in connector 5-pole    |
| Cable                                    | -                           |
| Number of products on MCB of 16 A type B | 18                          |
| Suitable for random switching            | Yes                         |
| Protection class IEC                     | Safety class I              |
| Feed-through wiring                      | Feed-through wiring 1-phase |
| Total harmonic distortion                | 20 %                        |

### Controls and Dimming

|                               |  |
|-------------------------------|--|
| Dimmable                      | Yes  |
| Driver/power unit/transformer | Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated) |
| Control interface             | -  |
| Constant light output         | No   |
| Maximum dim level             | 1%   |

### Mechanical and Housing

|                        |               |
|------------------------|---------------|
| Housing Material       | Steel         |
| Reflector material     | Steel         |
| Optic material         | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material      | -             |
| Housing Color          | White         |
| Optical cover finish   | Opal          |
| Overall length         | 1,160 mm      |
| Overall width          | 163 mm        |
| Overall height         | 67 mm         |

|                                     |  |
|-------------------------------------|--|
| Dimensions (Height x Width x Depth) | 67 x 163 x 1160 mm                                       |
| Ingress protection code             | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code        | IK06 [1 J]   |
| Net Weight (Piece)                  | 2.650 kg   |

### Emergency Operation

|  |  |
|--|--|
| Emergency flux                                     | 420 lm                                 |
| Power consumption during Central DC emergency mode | 4.2 W                                  |
| Central Emergency                                  | Yes                                    |
| Emergency lighting                                 | DC operated central emergency lighting |

### 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 EN62471 |
| 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)                    | 0.4   |
| Ambient temperature range                                       | -20 °C to 45 °C                                 |

### Initial Performance (IEC Compliant)

|  |                                     |
|--|-------------------------------------|
| Luminous flux tolerance                                | +/-10%                              |
| Initial chromaticity                                   | (0.38,0.38)SDCM<3;(0.44,0.40)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 | L65 |

### Product Data

|                     |  |
|---------------------|--|
| Order product name  | SM155C 30_48S/830_840 PSED TW1 PI5 L1160 |
| Full product name   | SM155C 30_48S/830_840 PSED TW1 PI5 L1160 |
| Full product code   | 872016975073999                          |
| Order code          | 911401803587                             |
| Material Nr. (12NC) | 911401803587                             |

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|                                 |               |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8720169750739 |
| Numerator - Packs per outer box | 4             |

|                |               |
|----------------|---------------|
| EAN/UPC - Case | 8720169750784 |
|----------------|---------------|

