



# CoreLine Fastset, surface-mounted

SM155C 37\_60S/830\_840 PSU TW3 PI5 L1440

CoreLine Fastset, surface-mounted, 43 W, L1440 mm, 3700 lm, 6000 lm, 3000 K, 4000 K

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  |        | Driver included     |                             |
|----------------------|--------|---------------------|-----------------------------|
| Number of gear units | 1 unit | Feed-through wiring | Feed-through wiring 3-phase |

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|                   |                                             |
|-------------------|---------------------------------------------|
| Value ladder      | Performance                                 |
| CE mark           | CE mark                                     |
| Warranty period   | 5 years                                     |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark         | ENEC mark                                   |
| Glow-wire test    | Temperature 650 °C, duration 30 s           |
| EU RoHS compliant | Yes                                         |

Light Technical

|                                    |                         |
|------------------------------------|-------------------------|
| Luminous Flux                      | 3,700 6,000 lm          |
| Saturated Red (R9)                 | <50                     |
| Correlated Color Temperature (Nom) | 3000 4000 K             |
| Luminous Efficacy (rated) (Nom)    | 140 lm/W                |
| Color rendering index (CRI)        | 80                      |
| Flickering value (PstLM)           | 1                       |
| Stroboscopic effect value (SVM)    | 0.4                     |
| Light source color                 | Multi Color Temperature |
| Optic type                         | Opal                    |
| Luminaire light beam spread        | 110°                    |
| Unified glare rating CEN           | 25                      |

Operating and Electrical

|                                          |                          |
|------------------------------------------|--------------------------|
| Input Voltage                            | 220 to 240 V             |
| Line Frequency                           | 50 or 60 Hz              |
| Inrush current                           | 17 A                     |
| Inrush time                              | 0.14 ms                  |
| Power Consumption                        | 43 W                     |
| Power Factor (Fraction)                  | 0.95                     |
| Connection                               | Push-in connector 5-pole |
| Cable                                    | -                        |
| Number of products on MCB of 16 A type B | 18                       |

Temperature

|                           |                 |
|---------------------------|-----------------|
| Ambient temperature range | -20 °C to 45 °C |
|---------------------------|-----------------|

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       | Steel         |
| Reflector material     | Steel         |
| Optic material         | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material      | -             |

|                                     |                    |
|-------------------------------------|--------------------|
| Housing Color                       | White RAL 9003     |
| Optical cover finish                | Opal               |
| Overall length                      | 1,440 mm           |
| Overall width                       | 163 mm             |
| Overall height                      | 67 mm              |
| Dimensions (Height x Width x Depth) | 67 x 163 x 1440 mm |

Approval and Application

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Ingress protection code            | IP44 [Wire-protected, splash-proof]             |
| Mech. impact protection code       | IK08 [5 J vandal-protected]                     |
| Sustainability rating              | -                                               |
| Protection class IEC               | Safety class I                                  |
| Photobiological risk               | Photobiological risk group 0 @ 200mm to EN62471 |
| Photobiological risk specification | 0.2 m                                           |

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%                              |

Over Time Performance (IEC Compliant)

|                                                         |     |
|---------------------------------------------------------|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h        | L80 |
| Lumen maintenance at median useful life* 100000 h       | L65 |

Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |
| Suitable for random switching      | Yes            |

Product Data

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Order product name              | SM155C 37_60S/830_840 PSU TW3 PI5 L1440 |
| Full product name               | SM155C 37_60S/830_840 PSU TW3 PI5 L1440 |
| Full product code               | 872016951017399                         |
| Order code                      | 911401841585                            |
| Material Nr. (12NC)             | 911401841585                            |
| Numerator - Quantity Per Pack   | 1                                       |
| EAN/UPC - Product/Case          | 8720169510173                           |
| Numerator - Packs per outer box | 4                                       |
| EAN/UPC - Case                  | 8720169510258                           |

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Dimensional drawing

