



# 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, DALI, 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

<b>General Information</b>		<b>Driver included</b>	Yes
<b>Number of gear units</b>	1 unit	<b>Service tag</b>	Yes

## CoreLine Fastset, surface-mounted

Value ladder	Performance
Warranty period	5 years

### Light Technical

Luminous Flux	3,000 4,800 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 4000 K
Luminous Efficacy (rated) (Nom)	146 139 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	DALI
Constant light output	No
DALI Standard	DALI-2™
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
Emergency lighting operation mode	Maintained

### 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

### Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	82.6 kg CO <sub>2</sub> e

## CoreLine Fastset, surface-mounted

<b>Product non-virgin material ratio</b>	0.0128 %
<b>Recyclable content ratio of the finished product</b>	0.0421 %
<b>GWP total B6 (kg CO2eq) Declared Unit</b>	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
<b>GWP total B6 (kg CO2eq) Functional Unit</b>	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)

### Product Data

<b>Order product name</b>	SM155C 30_48S/830_840 PSED TW1 PI5 L1160
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<b>Full product name</b>	SM155C 30_48S/830_840 PSED TW1 PI5 L1160
<b>Full product code</b>	872016975073999
<b>Order code</b>	911401803587
<b>Material Nr. (12NC)</b>	911401803587
<b>Numerator - Quantity Per Pack</b>	1
<b>EAN/UPC - Product/Case</b>	8720169750739
<b>Numerator - Packs per outer box</b>	4
<b>EAN/UPC - Case</b>	8720169750784

## Dimensional drawing

