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-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

CoreLine Fastset, surface-mounted

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

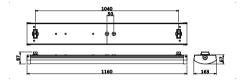|	
Housing Material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Overall length	1,160 mm
Overall width	163 mm
Overall height	67 mm

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 at median useful life* 50000 h	L80
Lumen maintenance at median useful life* 100000 h	L65

Product Data

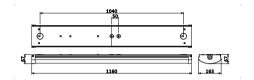|	
Order product name	SM155C 30_48S/830_840 PSED TW1 PI5 L1160
Full product name	SM155C 30_48S/830_840 PSED TW1 PI5 L1160
Full product code	872016975073999
Order code	911401803587
Material Nr. (12NC)	911401803587

CoreLine Fastset, surface-mounted

Numerator – Quantity Per Pack	1	**EAN/UPC – Case**	8720169750784
EAN/UPC – Product/Case	8720169750739		
Numerator – Packs per outer box	4		

Dimensional drawing

www.lighting.philips.com

2025, January 10 – data subject to change