FastSet, Surface Mounted

SM150C LED48S/840 PSU TW3 PI5 L1160

840 neutral white, Power supply unit (On/Off), Connection unit 5-pole

Upgrading to LED is a key trend in office applications. Recognizing the need for an easy to use luminaire that can work as the perfect 1:1 replacement of conventional office lighting, we developed FastSet. This luminaire is an ideal choice to quickly achieve the benefits of LED lighting since being the perfect 1:1 replacement, no additional lighting calculation is needed prior to the LED lighting installation. The luminaire simply fits into all different indoor applications. Moreover, it is available in both standalone and through-wiring versions, which makes the luminaires ready-to-connect at a later stage.
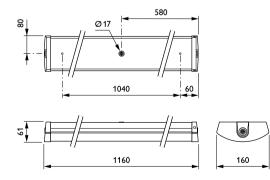
Product data

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Lighting Technology	LED
Value ladder	Performance

CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	4,800 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	107 lm/W
Color rendering index (CRI)	≥80

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Beam angle of light source	116 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	100°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	8 A
Inrush time	0.06 ms
Power Consumption	45 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	–
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	0 to +35 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Metal
Reflector material	–
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Opal
Overall length	1,160 mm
Overall width	160 mm
Overall height	61 mm

Dimensions (Height x Width x Depth)	61 x 160 x 1160 mm

Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	–
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.3828, 0.3803) 5SDCM
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

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

Product Data

Order product name	SM150C LED48S/840 PSU TW3 PI5 L1160
Full product name	SM150C LED48S/840 PSU TW3 PI5 L1160
Full product code	871869938125799
Order code	38125799
Material Nr. (12NC)	912401483057
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699381257
Numerator – Packs per outer box	4
EAN/UPC – Case	8718699381318

Dimensional drawing

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www.lighting.philips.com