PHILIPS

SM155C 30_48S/830_840
PSU TW3 PI5 L1160

911401841485



CoreLine Fastset, surface-mounted, All-in, 34 W, 20 W, L1160 mm, 3000 lm, 3450 lm, 4100 lm, 4800 lm, 3000 K, 4000 K

L1160 mm, Steel, White, Signal white (RAL9003), Power supply unit (On/Off), All-in, Multi Lumen, All-in, Multi Color Temperature, 3000 lm, 3450 lm, 4100 lm, 4800 lm, 34 W, 20 W, 150 lm/W, 140 lm/W, 3000 K, 4000 K, (0.38,0.38)SDCM<3;(0.44,0.40)SDCM<3, Opal, Opal, Polycarbonate, IP20/44 | Finger-protected; wire-protected, splash-proof, IK06 | 1 J, Safety class I, Push-in connector 5-pole, Feed-through wiring 3-phase

General Information

Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Service tag	Yes
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	3,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color rendering index (CRI)	>80
Light source color	Multi Color Temperature
Optic type	Opal
Luminaire light beam spread	110°
Unified glare rating CEN	25
All-in Type	All-in, Multi Lumen

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	34 W
Power Factor (Fraction)	0.95
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	25
Suitable for random switching	Yes
Protection class IEC	Safety class I
Feed-through wiring	Feed-through wiring 3-phase
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

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)	2.500 kg

Emergency Operation

Central Emergency	No

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 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

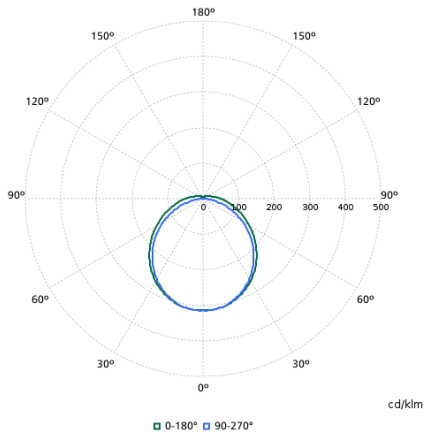
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	81.4 kg CO_2e
Product non-virgin material ratio	13.2 %
Recyclable content ratio of the finished product	44.1 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	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)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

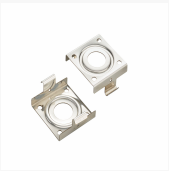
Order product name	SM155C 30_48S/830_840 PSU TW3 PI5 L1160
Full product name	SM155C 30_48S/830_840 PSU TW3 PI5 L1160
Full product code	872016951016699
Order code	911401841485
Material Nr. (12NC)	911401841485
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169510166
Numerator - Packs per outer box	4
EAN/UPC - Case	8720169510241

Dimensional drawing

Polar normal diagrams



Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	911401856685	SM155Z Suspension set CL fastset	Product Website
	911401892985	SM155Z Besa Bracket	Product Website

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	FastSet_SM155C-MI_FINAL.pdf	Download
Tender text	Tender_Text_911401841485_en_AA.txt	Download
Environmental Product Declaration	-	Download

Photometry and lighting design	Document Name	Download
IES File	sm155c-30-48s-830-840-psu-tw3-pi5-l1160-911401841485.ies	Download
LDT File	sm155c-30-48s-830-840-psu-tw3-pi5-l1160-911401841485.ldt	Download
ROLF File	sm155c-30-48s-830-840-psu-tw3-pi5-l1160-911401841485.rolfz	Download
ULD File	sm155c-30-48s-830-840-psu-tw3-pi5-l1160-911401841485.uld	Download
Revit file	sm155c-30-48s-830-840-psu-tw3-pi5-l1160-911401841485.zip	Download

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