

TrueLine, surface-mounted

SM530C LED50S/840 PSD ACL PI5 L1450 ALU

TrueLine OC - LED Module, system flux 5000 lm - 840 neutral white - Power supply unit with DALI interface - ActiLume - Push-in connector 5-pole - 1450 mm - Aluminium

Architects need a lighting solution that matches the interior architecture of the property they are working on. They want a light line with an elegant design and very high light levels. Specifiers need luminaires that enable them to save energy while at the same time providing the right level of light, in compliance with office lighting norms. And office workers want visually comfortable lighting conditions that help them perform better. TrueLine Recessed is able to meet all of these different requirements. TrueLine is also available in recessed and suspended versions.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED50S [LED Module, system flux 5000 lm]
Beam angle of light source	- °
Light source colour	840 neutral white
Cap base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	No [-]

Optical cover/lens type	PM [PMMA bowl/cover]
Luminaire light beam spread	100°
Embedded control	ACL [ActiLume]
Control interface	DALI
Connection	Push-in connector 5-pole
Cable	-
Protection class IEC	Safety class I
Standard RAL colour	-
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	F [For mounting on normally flammable surfaces]
Type description	OC [Office compliant version]

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CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	No
Warranty period	5 years
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.
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark
Accessory PFC	N/A
Product Family Code	SM530C [TrueLine OC]
Unified glare rating CEN	19

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	19 A
Inrush time	0.28 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	-
Optical cover/lens material	Polymethyl methacrylate
Gear tray material	Steel
Fixation material	Steel
Optical cover/lens finish	Frosted
Overall length	1449 mm
Overall width	55 mm
Overall height	93 mm
Length	1450 mm

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	5000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	127 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	39.5 W
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	L85

Application Conditions

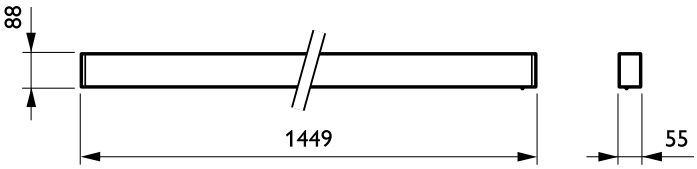
Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871869687422600
Order product name	SM530C LED50S/840 PSD ACL PI5 L1450 ALU
EAN/UPC – product	8718696874226
Order code	87422600
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910504099503
Net weight (piece)	4.200 kg

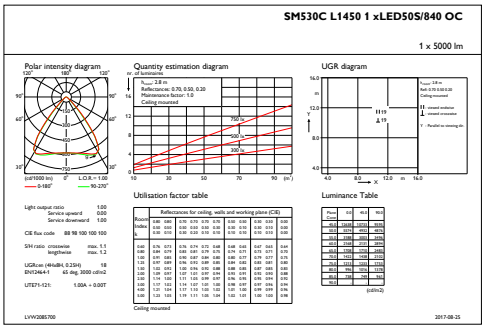
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Dimensional drawing

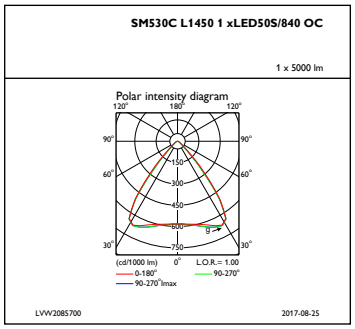


TrueLine surface-mounted SM530C-SM534C

Photometric data



IFGU1_SM530CL14501xLED50S840OC



IFPC1_SM530CL14501xLED50S840OC

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