



TrueCircle Surface & Suspended

SM250C 37S/840 PSD O D500 BK

TrueCircle Surface & Suspended, 35.5 W, D500 mm, 3700 lm, 4000 K, DALI

D500 mm, Aluminium, Black, Signal black (RAL9004), Power supply unit with DALI interface, 3700 lm, 35.5 W, 104 lm/W, 4000 K, (0.38, 0.38) SDCM <lt/>3, Opal, Opal, Polystyrene, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class I, Push-in connector and pull relief

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Gear	EB [Electronic]
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years
Light Technical	
Luminous Flux	3,700 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	104 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)

Light source color	840 neutral white
Optic type	Opal
Luminaire light beam spread	120°
Unified glare rating CEN	23
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	18 A
Inrush time	250 ms
Power Consumption	35.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	34
Suitable for random switching	No

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Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing

Housing Material	Aluminium
Reflector material	Steel
Optic material	-
Optical cover material	Polystyrene
Fixation material	-
Housing Color	Black
Optical cover finish	Opal
Overall length	500 mm
Overall height	115 mm
Overall diameter	500 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	3.600 kg

Emergency Operation

Central Emergency	No
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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	-
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
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	-10 to +35 °C
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Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <lt/>3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	80 %
Control gear failure rate at median useful life 50000 h	0.1 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

Product Data

Order product name	SM250C 37S/840 PSD O D500 BK
Full product name	SM250C 37S/840 PSD O D500 BK
Full product code	871869979813000
Order code	912401483453
Material Nr. (12NC)	912401483453
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699798130
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699798130

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Dimensional drawing

