



TrueCircle Surface & Suspended

SM250C 20S/840 PSD PSP D380 WH

TrueCircle Surface & Suspended, 20 W, D380 mm, 2000 lm, 4000 K, DALI

TrueCircle is a functional surface mount round luminaire with a strict classical design to fit in almost any office space. It is a modern, unobtrusive designed family of luminaire in Surface mounted & Suspended providing direct diffuse light ensuring this luminaire will blend into the architecture of most buildings. This range features a selection 2 different sizes, light outputs, and optics. The special micro prismatic optics provides glare-free comfort & also infuses the homogeneous light by offering full Office compliance. This new round luminaire from Philips offers sustainable solution with installation flexibility, creating exemplary illumination & high quality of light.

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
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years

Sustainability rating	Unclassified
Light Technical	
Luminous Flux	2,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	101 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	120°

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Unified glare rating CEN	22
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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	20 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
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	White
Optical cover finish	Matte
Overall length	380 mm
Overall height	115 mm
Overall diameter	380 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	2.200 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 +40 °C

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)

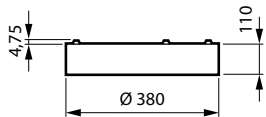
Driver failure rate at 5000 h	80 %
Control gear failure rate at median useful life 50000 h	0.1 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Product Data

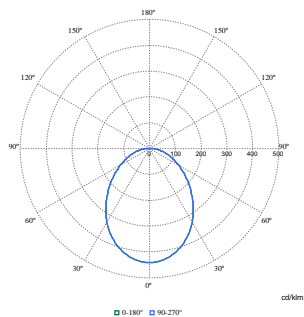
Order product name	SM250C 20S/840 PSD PSP D380 WH
Full product name	SM250C 20S/840 PSD PSP D380 WH
Full product code	871869979804800
Order code	79804800
Material Nr. (12NC)	912401483444
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699798048
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699798048

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Dimensional drawing



Photometric data



Polar Normal (separate) - null - 912401483444

