



TrueCircle : Versatile LED ceiling luminaire in round shape

TrueCircle Surface & Suspended

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 of 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 a sustainable solution with installation flexibility, creating exemplary illumination & high quality of light.

Benefits

- Comfortable, glare-free Office-compliant
- Competitive solution with good lighting specifications
- Delivers the right visual comfort for various applications.
- Uniform Lighting distribution
- Easy to install & maintain: comes with all the accessories and cabling

Features

- Office-compliant lighting using PSP optics (UGR<19)
- Two lumen packages and sizes; 2000lm 38cm dia, 3600lm 50cm dia
- Comes with two colors (White & Black), two different optics (PSP & OC) & two different drivers (PSU-Non Dim & PSD-Dali dim) to cater for diverse applications
- 3000K, 4000K options with CRI >80
- Long lifetime 50,000 hours @L80, and a low SDCM of <3
- IP40 rating perfect for indoor applications
- Offers a complete range for round luminaire applications in office (main area, corridors/hallways)

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Application

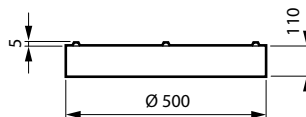
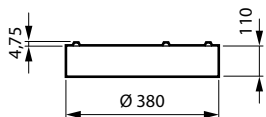
- Offices
- Hospitality
- Schools
- Residential

Versions



TrueCircle Surface SM250B O WH
D500_SPP

Dimensional drawing



Product details



TrueCircle Suspended

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General Information	
Driver included	Yes
Gear	EB
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Beam angle of light source	120 degree(s)
Color rendering index (CRI)	>80
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	No
Mechanical and Housing	
Mech. impact protection code	IK02
Ingress protection code	IP20
Emergency Operation	
Central Emergency	No
Approval and Application	
CE mark	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <lt/>3
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	80 %

Light Technical

Order Code	Full Product Name	Correlated Color		Luminous Flux	Optic type
		Temperature (Nom)	Luminous Efficacy (rated) (Nom)		
912401483440	SM250C 20S/840 PSU PSP D380 WH	4000 K	102 lm/W	2,000 lm	Wide beam
912401483442	SM250C 20S/830 PSU PSP D380 WH	3000 K	102 lm/W	2,000 lm	Wide beam
912401483444	SM250C 20S/840 PSD PSP D380 WH	4000 K	101 lm/W	2,000 lm	Wide beam
912401483446	SM250C 20S/830 PSD PSP D380 WH	3000 K	98 lm/W	2,000 lm	Wide beam
912401483449	SM250C 37S/840 PSU O D500 BK	4000 K	104 lm/W	3,700 lm	Opal
912401483451	SM250C 37S/830 PSU O D500 BK	3000 K	104 lm/W	3,700 lm	Opal
912401483453	SM250C 37S/840 PSD O D500 BK	4000 K	104 lm/W	3,700 lm	Opal
912401483455	SM250C 37S/830 PSD O D500 BK	3000 K	104 lm/W	3,700 lm	Opal
912401483448	SM250C 37S/840 PSU O D500 WH	4000 K	104 lm/W	3,700 lm	Opal
912401483450	SM250C 37S/830 PSU O D500 WH	3000 K	104 lm/W	3,700 lm	Opal
912401483452	SM250C 37S/840 PSD O D500 WH	4000 K	104 lm/W	3,700 lm	Opal
912401483454	SM250C 37S/830 PSD O D500 WH	3000 K	104 lm/W	3,700 lm	Opal
912401483441	SM250C 20S/840 PSU PSP D380 BK	4000 K	102 lm/W	2,000 lm	Wide beam
912401483443	SM250C 20S/830 PSU PSP D380 BK	3000 K	102 lm/W	2,000 lm	Wide beam
912401483445	SM250C 20S/840 PSD PSP D380 BK	4000 K	101 lm/W	2,000 lm	Wide beam
912401483447	SM250C 20S/830 PSD PSP D380 BK	3000 K	98 lm/W	2,000 lm	Wide beam

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
912401483440	SM250C 20S/840 PSU PSP D380 WH	19.5 W	912401483449	SM250C 37S/840 PSU O D500 BK	35.5 W
912401483442	SM250C 20S/830 PSU PSP D380 WH	19.5 W	912401483451	SM250C 37S/830 PSU O D500 BK	35.5 W
912401483444	SM250C 20S/840 PSD PSP D380 WH	20 W	912401483453	SM250C 37S/840 PSD O D500 BK	35.5 W
912401483446	SM250C 20S/830 PSD PSP D380 WH	20.5 W	912401483455	SM250C 37S/830 PSD O D500 BK	35.5 W

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Order Code	Full Product Name	Power Consumption
912401483448	SM250C 37S/840 PSU O D500 WH	35.5 W
912401483450	SM250C 37S/830 PSU O D500 WH	35.5 W
912401483452	SM250C 37S/840 PSD O D500 WH	35.5 W
912401483454	SM250C 37S/830 PSD O D500 WH	35.5 W

Order Code	Full Product Name	Power Consumption
912401483441	SM250C 20S/840 PSU PSP D380 BK	19.5 W
912401483443	SM250C 20S/830 PSU PSP D380 BK	19.5 W
912401483445	SM250C 20S/840 PSD PSP D380 BK	20 W
912401483447	SM250C 20S/830 PSD PSP D380 BK	20.5 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
912401483440	SM250C 20S/840 PSU PSP D380 WH	No	Not applicable
912401483442	SM250C 20S/830 PSU PSP D380 WH	No	Not applicable
912401483444	SM250C 20S/840 PSD PSP D380 WH	Yes	1%
912401483446	SM250C 20S/830 PSD PSP D380 WH	Yes	1%
912401483449	SM250C 37S/840 PSU O D500 BK	No	Not applicable
912401483451	SM250C 37S/830 PSU O D500 BK	No	Not applicable
912401483453	SM250C 37S/840 PSD O D500 BK	Yes	1%
912401483455	SM250C 37S/830 PSD O D500 BK	Yes	1%

Order Code	Full Product Name	Dimmable	Maximum dim level
912401483448	SM250C 37S/840 PSU O D500 WH	No	Not applicable
912401483450	SM250C 37S/830 PSU O D500 WH	No	Not applicable
912401483452	SM250C 37S/840 PSD O D500 WH	Yes	1%
912401483454	SM250C 37S/830 PSD O D500 WH	Yes	1%
912401483441	SM250C 20S/840 PSU PSP D380 BK	No	Not applicable
912401483443	SM250C 20S/830 PSU PSP D380 BK	No	Not applicable
912401483445	SM250C 20S/840 PSD PSP D380 BK	Yes	1%
912401483447	SM250C 20S/830 PSD PSP D380 BK	Yes	1%

Mechanical and Housing

Order Code	Full Product Name	Housing Color
912401483440	SM250C 20S/840 PSU PSP D380 WH	White
912401483442	SM250C 20S/830 PSU PSP D380 WH	White
912401483444	SM250C 20S/840 PSD PSP D380 WH	White
912401483446	SM250C 20S/830 PSD PSP D380 WH	White
912401483449	SM250C 37S/840 PSU O D500 BK	Black
912401483451	SM250C 37S/830 PSU O D500 BK	Black
912401483453	SM250C 37S/840 PSD O D500 BK	Black
912401483455	SM250C 37S/830 PSD O D500 BK	Black

Order Code	Full Product Name	Housing Color
912401483448	SM250C 37S/840 PSU O D500 WH	White
912401483450	SM250C 37S/830 PSU O D500 WH	White
912401483452	SM250C 37S/840 PSD O D500 WH	White
912401483454	SM250C 37S/830 PSD O D500 WH	White
912401483441	SM250C 20S/840 PSU PSP D380 BK	Black
912401483443	SM250C 20S/830 PSU PSP D380 BK	Black
912401483445	SM250C 20S/840 PSD PSP D380 BK	Black
912401483447	SM250C 20S/830 PSD PSP D380 BK	Black

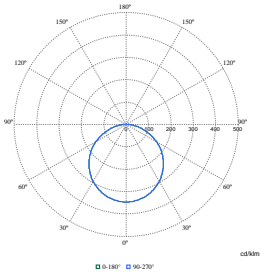
Approval and Application

Order Code	Full Product Name	Ambient temperature range
912401483440	SM250C 20S/840 PSU PSP D380 WH	-10 to +40 °C
912401483442	SM250C 20S/830 PSU PSP D380 WH	-10 to +40 °C
912401483444	SM250C 20S/840 PSD PSP D380 WH	-10 to +40 °C
912401483446	SM250C 20S/830 PSD PSP D380 WH	-10 to +40 °C
912401483449	SM250C 37S/840 PSU O D500 BK	-10 to +35 °C
912401483451	SM250C 37S/830 PSU O D500 BK	-10 to +35 °C
912401483453	SM250C 37S/840 PSD O D500 BK	-10 to +35 °C
912401483455	SM250C 37S/830 PSD O D500 BK	-10 to +35 °C

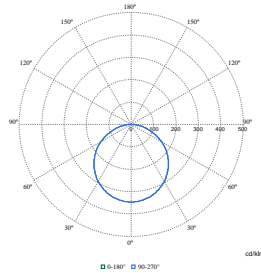
Order Code	Full Product Name	Ambient temperature range
912401483448	SM250C 37S/840 PSU O D500 WH	-10 to +35 °C
912401483450	SM250C 37S/830 PSU O D500 WH	-10 to +35 °C
912401483452	SM250C 37S/840 PSD O D500 WH	-10 to +35 °C
912401483454	SM250C 37S/830 PSD O D500 WH	-10 to +35 °C
912401483441	SM250C 20S/840 PSU PSP D380 BK	-10 to +40 °C
912401483443	SM250C 20S/830 PSU PSP D380 BK	-10 to +40 °C
912401483445	SM250C 20S/840 PSD PSP D380 BK	-10 to +40 °C
912401483447	SM250C 20S/830 PSD PSP D380 BK	-10 to +40 °C

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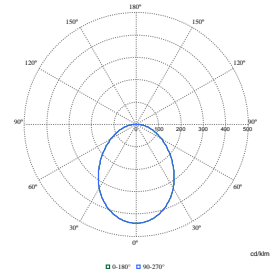
Polar Wide Diagrams



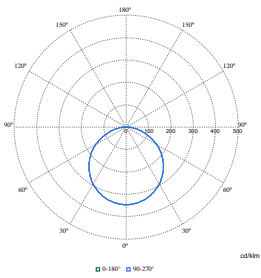
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Polar Normal (separate) - null - 912401483452



Polar Normal (separate) - null - 912401483445



Polar Normal (separate) - null - 912401483455

