



Philips 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

TrueCircle Surface & Suspended

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)

Application

- Offices
- Hospitality
- Schools
- Residential

Versions

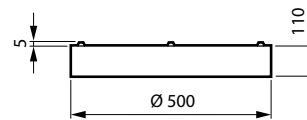


TrueCircle Surface SM250B PSP
WH D380_SPP



TrueCircle Surface SM250B O WH
D500_SPP

Dimensional drawing



TrueCircle Surface & Suspended

Product details



TrueCircle Suspended

TrueCircle Surface & Suspended

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 Efficacy (rated) (Nom)	Luminous Flux	Optic type
		Temperature (Nom)				
79800000	SM250C 20S/840 PSU PSP D380 WH	4000 K		102 lm/W	2,000 lm	Wide beam
79802400	SM250C 20S/830 PSU PSP D380 WH	3000 K		102 lm/W	2,000 lm	Wide beam
79804800	SM250C 20S/840 PSD PSP D380 WH	4000 K		101 lm/W	2,000 lm	Wide beam
79806200	SM250C 20S/830 PSD PSP D380 WH	3000 K		98 lm/W	2,000 lm	Wide beam
79809300	SM250C 40S/840 PSU O D500 BK	4000 K		104 lm/W	3,700 lm	Opal
79811600	SM250C 40S/830 PSU O D500 BK	3000 K		104 lm/W	3,700 lm	Opal
79813000	SM250C 40S/840 PSD O D500 BK	4000 K		104 lm/W	3,700 lm	Opal
79815400	SM250C 40S/830 PSD O D500 BK	3000 K		104 lm/W	3,700 lm	Opal
79808600	SM250C 40S/840 PSU O D500 WH	4000 K		104 lm/W	3,700 lm	Opal
79810900	SM250C 40S/830 PSU O D500 WH	3000 K		104 lm/W	3,700 lm	Opal
79812300	SM250C 40S/840 PSD O D500 WH	4000 K		104 lm/W	3,700 lm	Opal
79814700	SM250C 40S/830 PSD O D500 WH	3000 K		104 lm/W	3,700 lm	Opal
79801700	SM250C 20S/840 PSU PSP D380 BK	4000 K		102 lm/W	2,000 lm	Wide beam
79803100	SM250C 20S/830 PSU PSP D380 BK	3000 K		102 lm/W	2,000 lm	Wide beam
79805500	SM250C 20S/840 PSD PSP D380 BK	4000 K		101 lm/W	2,000 lm	Wide beam
79807900	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
79800000	SM250C 20S/840 PSU PSP D380 WH	19.5 W
79802400	SM250C 20S/830 PSU PSP D380 WH	19.5 W
79804800	SM250C 20S/840 PSD PSP D380 WH	20 W
79806200	SM250C 20S/830 PSD PSP D380 WH	20.5 W

Order Code	Full Product Name	Power Consumption
79809300	SM250C 40S/840 PSU O D500 BK	35.5 W
79811600	SM250C 40S/830 PSU O D500 BK	35.5 W
79813000	SM250C 40S/840 PSD O D500 BK	35.5 W
79815400	SM250C 40S/830 PSD O D500 BK	35.5 W

TrueCircle Surface & Suspended

Order Code	Full Product Name	Power Consumption
79808600	SM250C 40S/840 PSU O D500 WH	35.5 W
79810900	SM250C 40S/830 PSU O D500 WH	35.5 W
79812300	SM250C 40S/840 PSD O D500 WH	35.5 W
79814700	SM250C 40S/830 PSD O D500 WH	35.5 W

Order Code	Full Product Name	Power Consumption
79801700	SM250C 20S/840 PSU PSP D380 BK	19.5 W
79803100	SM250C 20S/830 PSU PSP D380 BK	19.5 W
79805500	SM250C 20S/840 PSD PSP D380 BK	20 W
79807900	SM250C 20S/830 PSD PSP D380 BK	20.5 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
79800000	SM250C 20S/840 PSU PSP D380 WH	No	Not applicable
79802400	SM250C 20S/830 PSU PSP D380 WH	No	Not applicable
79804800	SM250C 20S/840 PSD PSP D380 WH	Yes	1%
79806200	SM250C 20S/830 PSD PSP D380 WH	Yes	1%
79809300	SM250C 40S/840 PSU O D500 BK	No	Not applicable
79811600	SM250C 40S/830 PSU O D500 BK	No	Not applicable
79813000	SM250C 40S/840 PSD O D500 BK	Yes	1%
79815400	SM250C 40S/830 PSD O D500 BK	Yes	1%

Order Code	Full Product Name	Dimmable	Maximum dim level
79808600	SM250C 40S/840 PSU O D500 WH	No	Not applicable
79810900	SM250C 40S/830 PSU O D500 WH	No	Not applicable
79812300	SM250C 40S/840 PSD O D500 WH	Yes	1%
79814700	SM250C 40S/830 PSD O D500 WH	Yes	1%
79801700	SM250C 20S/840 PSU PSP D380 BK	No	Not applicable
79803100	SM250C 20S/830 PSU PSP D380 BK	No	Not applicable
79805500	SM250C 20S/840 PSD PSP D380 BK	Yes	1%
79807900	SM250C 20S/830 PSD PSP D380 BK	Yes	1%

Mechanical and Housing

Order Code	Full Product Name	Housing Color
79800000	SM250C 20S/840 PSU PSP D380 WH	White
79802400	SM250C 20S/830 PSU PSP D380 WH	White
79804800	SM250C 20S/840 PSD PSP D380 WH	White
79806200	SM250C 20S/830 PSD PSP D380 WH	White
79809300	SM250C 40S/840 PSU O D500 BK	Black
79811600	SM250C 40S/830 PSU O D500 BK	Black
79813000	SM250C 40S/840 PSD O D500 BK	Black
79815400	SM250C 40S/830 PSD O D500 BK	Black

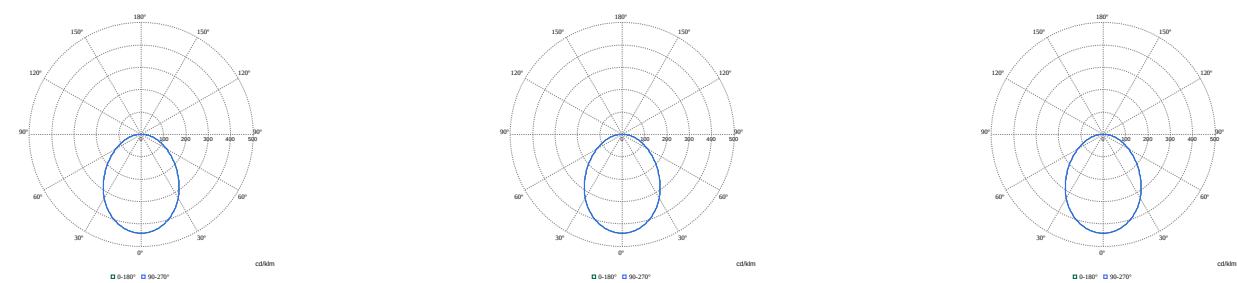
Order Code	Full Product Name	Housing Color
79808600	SM250C 40S/840 PSU O D500 WH	White
79810900	SM250C 40S/830 PSU O D500 WH	White
79812300	SM250C 40S/840 PSD O D500 WH	White
79814700	SM250C 40S/830 PSD O D500 WH	White
79801700	SM250C 20S/840 PSU PSP D380 BK	Black
79803100	SM250C 20S/830 PSU PSP D380 BK	Black
79805500	SM250C 20S/840 PSD PSP D380 BK	Black
79807900	SM250C 20S/830 PSD PSP D380 BK	Black

Approval and Application

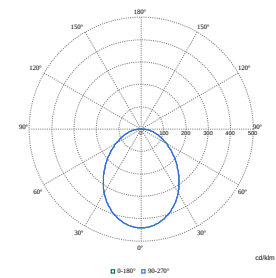
Order Code	Full Product Name	Ambient temperature range
79800000	SM250C 20S/840 PSU PSP D380 WH	-10 to +40 °C
79802400	SM250C 20S/830 PSU PSP D380 WH	-10 to +40 °C
79804800	SM250C 20S/840 PSD PSP D380 WH	-10 to +40 °C
79806200	SM250C 20S/830 PSD PSP D380 WH	-10 to +40 °C
79809300	SM250C 40S/840 PSU O D500 BK	-10 to +35 °C
79811600	SM250C 40S/830 PSU O D500 BK	-10 to +35 °C
79813000	SM250C 40S/840 PSD O D500 BK	-10 to +35 °C
79815400	SM250C 40S/830 PSD O D500 BK	-10 to +35 °C

Order Code	Full Product Name	Ambient temperature range
79808600	SM250C 40S/840 PSU O D500 WH	-10 to +35 °C
79810900	SM250C 40S/830 PSU O D500 WH	-10 to +35 °C
79812300	SM250C 40S/840 PSD O D500 WH	-10 to +35 °C
79814700	SM250C 40S/830 PSD O D500 WH	-10 to +35 °C
79801700	SM250C 20S/840 PSU PSP D380 BK	-10 to +40 °C
79803100	SM250C 20S/830 PSU PSP D380 BK	-10 to +40 °C
79805500	SM250C 20S/840 PSD PSP D380 BK	-10 to +40 °C
79807900	SM250C 20S/830 PSD PSP D380 BK	-10 to +40 °C

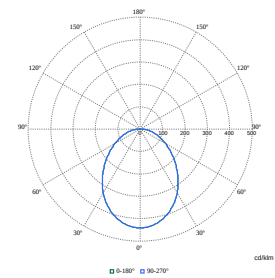
Polar Wide Diagrams



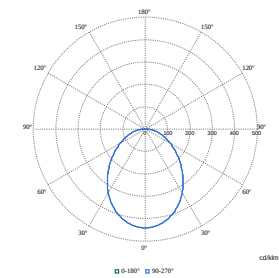
Polar Normal (separate) - null - 912401483444



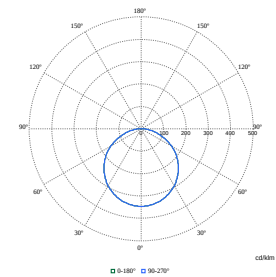
Polar Normal (separate) - null - 912401483441



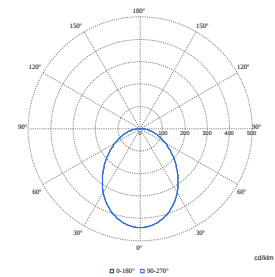
Polar Normal (separate) - null - 912401483442



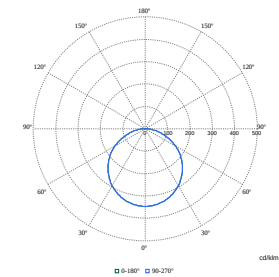
Polar Normal (separate) - null - 912401483440



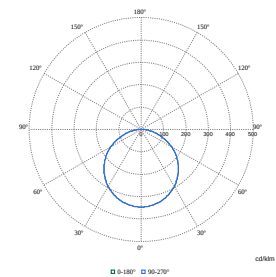
Polar Normal (separate) - null - 912401483443



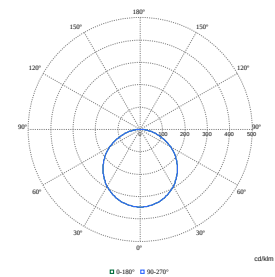
Polar Normal (separate) - null - 912401483447



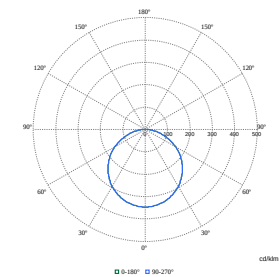
Polar Normal (separate) - null - 912401483449



Polar Normal (separate) - null - 912401483446



Polar Normal (separate) - null - 912401483450



Polar Normal (separate) - null - 912401483451



Polar Normal (separate) - null - 912401483448

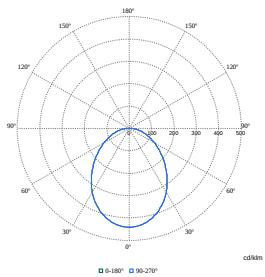
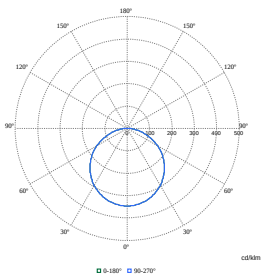
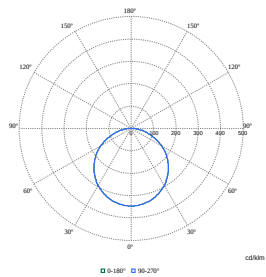


Polar Normal (separate) - null - 912401483453



TrueCircle Surface & Suspended

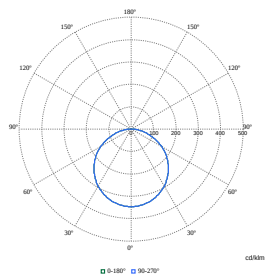
Polar Wide Diagrams



Polar Normal (separate) - null - 912401483454

Polar Normal (separate) - null - 912401483452

Polar Normal (separate) - null - 912401483445



Polar Normal (separate) - null - 912401483455

