



# 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)

## TrueCircle Surface & Suspended

### Application

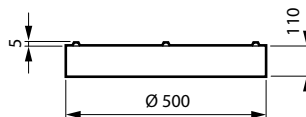
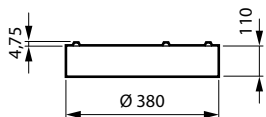
- Offices
- Hospitality
- Schools
- Residential

### Versions

TrueCircle Surface SM250B O WH  
D500\_SPP



### Dimensional drawing



### 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
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## 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 %
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## Light Technical

Order Code	Full Product Name	Correlated Color		Luminous Flux	Optic type
		Temperature (Nom)	Luminous Efficacy (rated) (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	Order Code	Full Product Name	Power Consumption
79800000	SM250C 20S/840 PSU PSP D380 WH	19.5 W	79809300	SM250C 40S/840 PSU O D500 BK	35.5 W
79802400	SM250C 20S/830 PSU PSP D380 WH	19.5 W	79811600	SM250C 40S/830 PSU O D500 BK	35.5 W
79804800	SM250C 20S/840 PSD PSP D380 WH	20 W	79813000	SM250C 40S/840 PSD O D500 BK	35.5 W
79806200	SM250C 20S/830 PSD PSP D380 WH	20.5 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

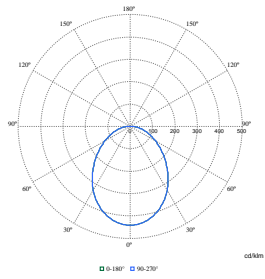
### Approval and Application

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

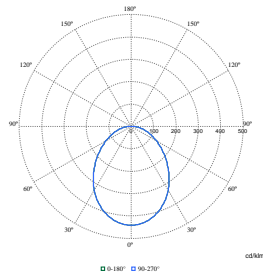
Order Code	Full Product Name	Ambient temperature range
79808600	SM250C 40S/840 PSU O D500 WH	-10 to +35 °C
79810900	SM250C 40S/830 PSU O D500 WH	-10 to +35 °C
79812300	SM250C 40S/840 PSD O D500 WH	-10 to +35 °C
79814700	SM250C 40S/830 PSD O D500 WH	-10 to +35 °C
79801700	SM250C 20S/840 PSU PSP D380 BK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

# TrueCircle Surface & Suspended

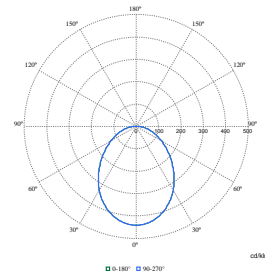
## Polar Wide Diagrams



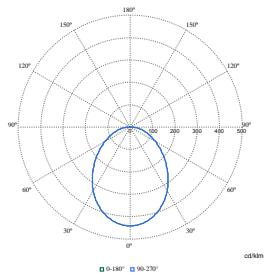
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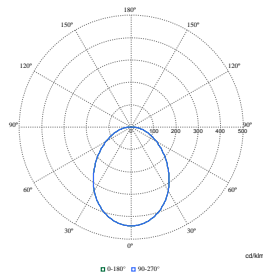
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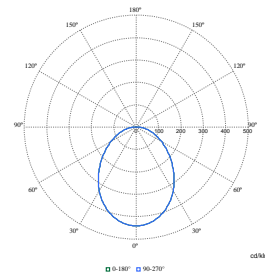
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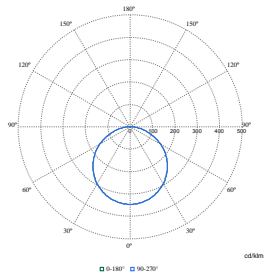
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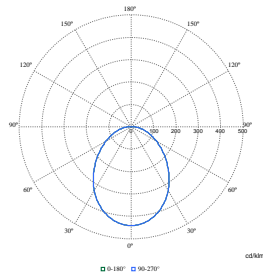
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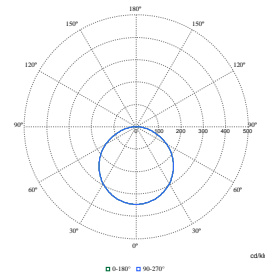
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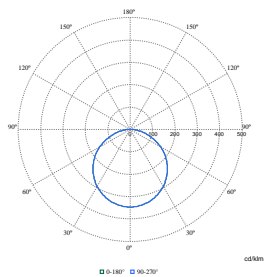
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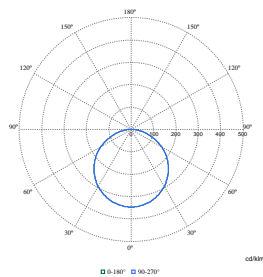
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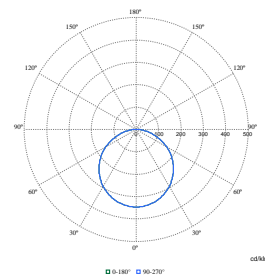
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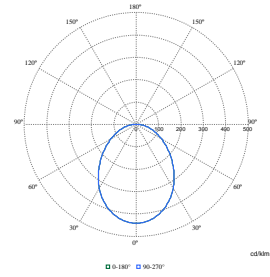
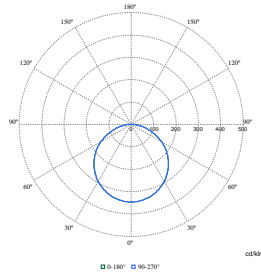
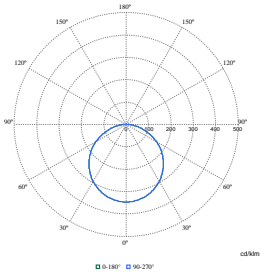
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# TrueCircle Surface & Suspended

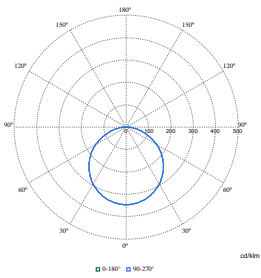
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Polar Normal (separate) - null - 912401483455

