



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

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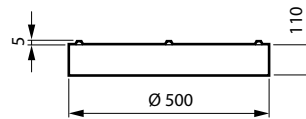
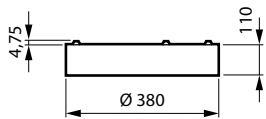
Features

- 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

Dimensional drawing



Product details



TrueCircle Suspended

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General Information	
CE mark	CE mark
Driver included	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Gear	EB
Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit
Light Technical	
Beam angle of light source	120 degree(s)
Color rendering index (CRI)	≥80
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Approval and Application	
Protection class IEC	Safety class I
Mech. impact protection code	IK02
Ingress protection code	IP20
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 %
Application Conditions	
Suitable for random switching	No

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	912401483448	SM250C 37S/840 PSU O D500 WH	35.5 W
912401483442	SM250C 20S/830 PSU PSP D380 WH	19.5 W	912401483450	SM250C 37S/830 PSU O D500 WH	35.5 W
912401483444	SM250C 20S/840 PSD PSP D380 WH	20 W	912401483452	SM250C 37S/840 PSD O D500 WH	35.5 W
912401483446	SM250C 20S/830 PSD PSP D380 WH	20.5 W	912401483454	SM250C 37S/830 PSD O D500 WH	35.5 W
912401483449	SM250C 37S/840 PSU O D500 BK	35.5 W	912401483441	SM250C 20S/840 PSU PSP D380 BK	19.5 W
912401483451	SM250C 37S/830 PSU O D500 BK	35.5 W	912401483443	SM250C 20S/830 PSU PSP D380 BK	19.5 W
912401483453	SM250C 37S/840 PSD O D500 BK	35.5 W	912401483445	SM250C 20S/840 PSD PSP D380 BK	20 W
912401483455	SM250C 37S/830 PSD O D500 BK	35.5 W	912401483447	SM250C 20S/830 PSD PSP D380 BK	20.5 W

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Temperature

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

Controls and Dimming

Order Code	Full Product Name	Dimmable
912401483440	SM250C 20S/840 PSU PSP D380 WH	No
912401483442	SM250C 20S/830 PSU PSP D380 WH	No
912401483444	SM250C 20S/840 PSD PSP D380 WH	Yes
912401483446	SM250C 20S/830 PSD PSP D380 WH	Yes
912401483449	SM250C 37S/840 PSU O D500 BK	No
912401483451	SM250C 37S/830 PSU O D500 BK	No
912401483453	SM250C 37S/840 PSD O D500 BK	Yes
912401483455	SM250C 37S/830 PSD O D500 BK	Yes

Order Code	Full Product Name	Dimmable
912401483448	SM250C 37S/840 PSU O D500 WH	No
912401483450	SM250C 37S/830 PSU O D500 WH	No
912401483452	SM250C 37S/840 PSD O D500 WH	Yes
912401483454	SM250C 37S/830 PSD O D500 WH	Yes
912401483441	SM250C 20S/840 PSU PSP D380 BK	No
912401483443	SM250C 20S/830 PSU PSP D380 BK	No
912401483445	SM250C 20S/840 PSD PSP D380 BK	Yes
912401483447	SM250C 20S/830 PSD PSP D380 BK	Yes

Mechanical and Housing

Order Code	Full Product Name	Housing Color
912401483440	SM250C 20S/840 PSU PSP D380 WH	White RAL9016
912401483442	SM250C 20S/830 PSU PSP D380 WH	White RAL9016
912401483444	SM250C 20S/840 PSD PSP D380 WH	White RAL9016
912401483446	SM250C 20S/830 PSD PSP D380 WH	White RAL9016
912401483449	SM250C 37S/840 PSU O D500 BK	Black RAL 9004
912401483451	SM250C 37S/830 PSU O D500 BK	Black RAL 9004
912401483453	SM250C 37S/840 PSD O D500 BK	Black RAL 9004
912401483455	SM250C 37S/830 PSD O D500 BK	Black RAL 9004

Order Code	Full Product Name	Housing Color
912401483448	SM250C 37S/840 PSU O D500 WH	White RAL9016
912401483450	SM250C 37S/830 PSU O D500 WH	White RAL9016
912401483452	SM250C 37S/840 PSD O D500 WH	White RAL9016
912401483454	SM250C 37S/830 PSD O D500 WH	White RAL9016
912401483441	SM250C 20S/840 PSU PSP D380 BK	Black RAL 9004
912401483443	SM250C 20S/830 PSU PSP D380 BK	Black RAL 9004
912401483445	SM250C 20S/840 PSD PSP D380 BK	Black RAL 9004
912401483447	SM250C 20S/830 PSD PSP D380 BK	Black RAL 9004

Application Conditions

Order Code	Full Product Name	Maximum dim level
912401483440	SM250C 20S/840 PSU PSP D380 WH	Not applicable
912401483442	SM250C 20S/830 PSU PSP D380 WH	Not applicable
912401483444	SM250C 20S/840 PSD PSP D380 WH	1%
912401483446	SM250C 20S/830 PSD PSP D380 WH	1%
912401483449	SM250C 37S/840 PSU O D500 BK	Not applicable
912401483451	SM250C 37S/830 PSU O D500 BK	Not applicable
912401483453	SM250C 37S/840 PSD O D500 BK	1%
912401483455	SM250C 37S/830 PSD O D500 BK	1%

Order Code	Full Product Name	Maximum dim level
912401483448	SM250C 37S/840 PSU O D500 WH	Not applicable
912401483450	SM250C 37S/830 PSU O D500 WH	Not applicable
912401483452	SM250C 37S/840 PSD O D500 WH	1%
912401483454	SM250C 37S/830 PSD O D500 WH	1%
912401483441	SM250C 20S/840 PSU PSP D380 BK	Not applicable
912401483443	SM250C 20S/830 PSU PSP D380 BK	Not applicable
912401483445	SM250C 20S/840 PSD PSP D380 BK	1%
912401483447	SM250C 20S/830 PSD PSP D380 BK	1%

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