



# Philips TrueCircle : Versatile LED ceiling luminaire in round shape

## TrueCircle Recessed

TrueCircle is a functional recessed round luminaire with a strict classical design to fit in almost any office space. It is a modern, unobtrusive designed family of luminaire 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 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<lt/>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 <gt/>80
- Long lifetime 50,000 hours @L80, and a low SDCM of <lt/>3
- IP40 rating perfect for indoor applications
- Offers a complete range for round luminaire applications in office (main area, corridors/hallways)

## Application

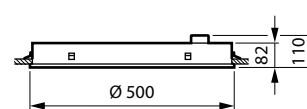
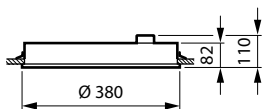
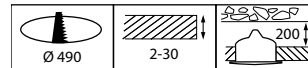
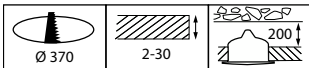
- Offices
- Hospitality
- Schools
- Residential

## Versions



TrueCircle Recessed RC250B O  
WH D500\_SPP

## Dimensional drawing



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)	1
Stroboscopic effect value (SVM)	0.4
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Mechanical and Housing	
Housing Color	White RAL9016
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		Optic type	
		Temperature (Nom)	Luminous Efficacy (rated) (Nom)		
912401483433	RC250B 20S/830 PSU PSP D380 WH	3000 K	102 lm/W	2,000 lumen	Wide beam
912401483434	RC250B 20S/840 PSD PSP D380 WH	4000 K	101 lm/W	2,000 lumen	Wide beam
912401483435	RC250B 20S/830 PSD PSP D380 WH	3000 K	98 lm/W	2,000 lumen	Wide beam
912401483456	RC250B 20S/840 PSU PSP D380 WH	4000 K	102 lm/W	2,000 lumen	Wide beam
912401483436	RC250B 37S/840 PSU O D500 WH	4000 K	104 lm/W	3,700 lumen	Opal
912401483437	RC250B 37S/830 PSU O D500 WH	3000 K	104 lm/W	3,700 lumen	Opal
912401483438	RC250B 37S/840 PSD O D500 WH	4000 K	104 lm/W	3,700 lumen	Opal
912401483439	RC250B 37S/830 PSD O D500 WH	3000 K	104 lm/W	3,700 lumen	Opal

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
912401483433	RC250B 20S/830 PSU PSP D380 WH	19.5 W
912401483434	RC250B 20S/840 PSD PSP D380 WH	20 W
912401483435	RC250B 20S/830 PSD PSP D380 WH	20.5 W
912401483456	RC250B 20S/840 PSU PSP D380 WH	19.5 W

Order Code	Full Product Name	Power Consumption
912401483436	RC250B 37S/840 PSU O D500 WH	35.5 W
912401483437	RC250B 37S/830 PSU O D500 WH	35.5 W
912401483438	RC250B 37S/840 PSD O D500 WH	35.5 W
912401483439	RC250B 37S/830 PSD O D500 WH	35.5 W

## Temperature

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Order Code	Full Product Name	Ambient temperature range
912401483433	RC250B 20S/830 PSU PSP D380 WH	-10 to +40 °C
912401483434	RC250B 20S/840 PSD PSP D380 WH	-10 to +40 °C
912401483435	RC250B 20S/830 PSD PSP D380 WH	-10 to +40 °C
912401483456	RC250B 20S/840 PSU PSP D380 WH	-10 to +40 °C

Order Code	Full Product Name	Ambient temperature range
912401483436	RC250B 37S/840 PSU O D500 WH	-10 to +35 °C
912401483437	RC250B 37S/830 PSU O D500 WH	-10 to +35 °C
912401483438	RC250B 37S/840 PSD O D500 WH	-10 to +35 °C
912401483439	RC250B 37S/830 PSD O D500 WH	-10 to +35 °C

### Controls and Dimming

Order Code	Full Product Name	Dimmable
912401483433	RC250B 20S/830 PSU PSP D380 WH	No
912401483434	RC250B 20S/840 PSD PSP D380 WH	Yes
912401483435	RC250B 20S/830 PSD PSP D380 WH	Yes
912401483456	RC250B 20S/840 PSU PSP D380 WH	No

Order Code	Full Product Name	Dimmable
912401483436	RC250B 37S/840 PSU O D500 WH	No
912401483437	RC250B 37S/830 PSU O D500 WH	No
912401483438	RC250B 37S/840 PSD O D500 WH	Yes
912401483439	RC250B 37S/830 PSD O D500 WH	Yes

### Application Conditions

Order Code	Full Product Name	Maximum dim level
912401483433	RC250B 20S/830 PSU PSP D380 WH	Not applicable
912401483434	RC250B 20S/840 PSD PSP D380 WH	1%
912401483435	RC250B 20S/830 PSD PSP D380 WH	1%
912401483456	RC250B 20S/840 PSU PSP D380 WH	Not applicable

Order Code	Full Product Name	Maximum dim level
912401483436	RC250B 37S/840 PSU O D500 WH	Not applicable
912401483437	RC250B 37S/830 PSU O D500 WH	Not applicable
912401483438	RC250B 37S/840 PSD O D500 WH	1%
912401483439	RC250B 37S/830 PSD O D500 WH	1%

