



# 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.

### Features

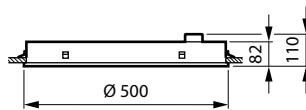
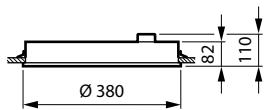
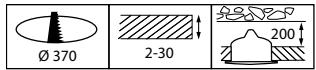
- Office-compliant lighting using PSP optics (UGR<19)
- Two lumen packages and sizes; 2000lm 38cm dia, 3600lm 50cm dia
- Comes with two colors(White & Black), two different optics(PSP & OC) & two different drivers(PSU-Non Dim & PSD-Dali dim) to cater for diverse applications
- 3000K, 4000K options with 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 Recessed

## Application

- Offices
- Hospitality
- Schools
- Residential

## Dimensional drawing



# TrueCircle Recessed

| 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   |  |
| Housing Color  | White  |
| Mech. impact protection code                                       | IK02   |
| Ingress protection code  | IP20/40  |
| Emergency Operation  |  |
| Central Emergency  | No   |
| Approval and Application   |  |
| CE mark  | Yes  |
| ENEC mark  | -  |
| Flammability mark  | For mounting on<br>normally<br>flammable<br>surfaces |
| Glow-wire test   | Temperature 650<br>°C, duration 30 s                 |
| Flickering value (PstLM) - Flickering<br>value as per EN 61000-3-3 | 1  |
| Stroboscopic effect visibility measure<br>(SVM)                    | 0.4  |
| Initial Performance (IEC Compliant)                                |  |
| Initial chromaticity   | (0.38, 0.38) SDCM<br><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  |                                 |               | Optic type |
|--------------|--------------------------------|-------------------|---------------------------------|---------------|------------|
|              |                                | Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |            |
| 912401483433 | RC250B 20S/830 PSU PSP D380 WH | 3000 K            | 102 lm/W                        | 2,000 lm      | Wide beam  |
| 912401483434 | RC250B 20S/840 PSD PSP D380 WH | 4000 K            | 101 lm/W                        | 2,000 lm      | Wide beam  |
| 912401483435 | RC250B 20S/830 PSD PSP D380 WH | 3000 K            | 98 lm/W                         | 2,000 lm      | Wide beam  |
| 912401483456 | RC250B 20S/840 PSU PSP D380 WH | 4000 K            | 102 lm/W                        | 2,000 lm      | Wide beam  |
| 912401483436 | RC250B 37S/840 PSU O D500 WH   | 4000 K            | 104 lm/W                        | 3,700 lm      | Opal       |
| 912401483437 | RC250B 37S/830 PSU O D500 WH   | 3000 K            | 104 lm/W                        | 3,700 lm      | Opal       |
| 912401483438 | RC250B 37S/840 PSD O D500 WH   | 4000 K            | 104 lm/W                        | 3,700 lm      | Opal       |
| 912401483439 | RC250B 37S/830 PSD O D500 WH   | 3000 K            | 104 lm/W                        | 3,700 lm      | 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            |

| Order Code   | Full Product Name              | Power Consumption |
|--------------|--------------------------------|-------------------|
| 912401483456 | RC250B 20S/840 PSU PSP D380 WH | 19.5 W            |
| 912401483436 | RC250B 37S/840 PSU O D500 WH   | 35.5 W            |
| 912401483437 | RC250B 37S/830 PSU O D500 WH   | 35.5 W            |

# TrueCircle Recessed

| Order Code   | Full Product Name            | Power Consumption |
|--------------|------------------------------|-------------------|
| 912401483438 | RC250B 37S/840 PSD O D500 WH | 35.5 W            |

| Order Code   | Full Product Name            | Power Consumption |
|--------------|------------------------------|-------------------|
| 912401483439 | RC250B 37S/830 PSD O D500 WH | 35.5 W            |

## Controls and Dimming

| Order Code   | Full Product Name              | Dimmable | Maximum dim level |
|--------------|--------------------------------|----------|-------------------|
| 912401483433 | RC250B 20S/830 PSU PSP D380 WH | No       | Not applicable    |
| 912401483434 | RC250B 20S/840 PSD PSP D380 WH | Yes      | 1%                |
| 912401483435 | RC250B 20S/830 PSD PSP D380 WH | Yes      | 1%                |
| 912401483456 | RC250B 20S/840 PSU PSP D380 WH | No       | Not applicable    |

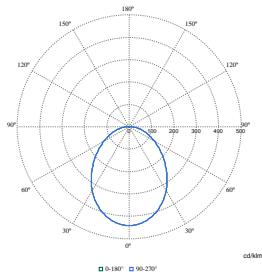
| Order Code   | Full Product Name            | Dimmable | Maximum dim level |
|--------------|------------------------------|----------|-------------------|
| 912401483436 | RC250B 37S/840 PSU O D500 WH | No       | Not applicable    |
| 912401483437 | RC250B 37S/830 PSU O D500 WH | No       | Not applicable    |
| 912401483438 | RC250B 37S/840 PSD O D500 WH | Yes      | 1%                |
| 912401483439 | RC250B 37S/830 PSD O D500 WH | Yes      | 1%                |

## Approval and Application

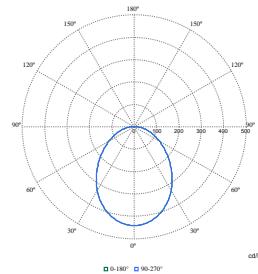
| Order Code   | Full Product Name              | Ambient temperature range |
|--------------|--------------------------------|---------------------------|
| 912401483433 | RC250B 20S/830 PSU PSP D380 WH | -10 to +40 °C             |
| 912401483434 | RC250B 20S/840 PSD PSP D380 WH | -10 to +40 °C   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

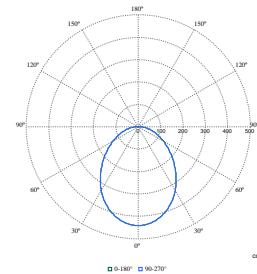
## Polar Wide Diagrams



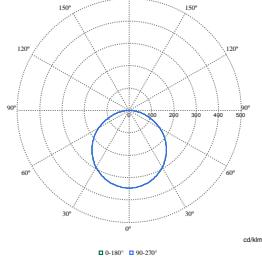
Polar Normal (separate) - null - 912401483433



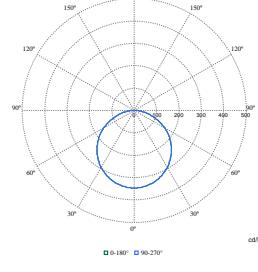
Polar Normal (separate) - null - 912401483434



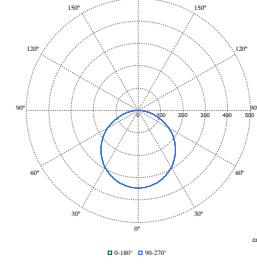
Polar Normal (separate) - null - 912401483435



Polar Normal (separate) - null - 912401483456



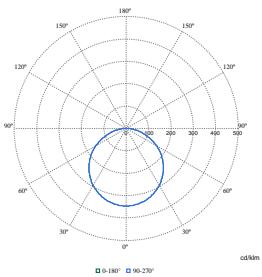
Polar Normal (separate) - null - 912401483436



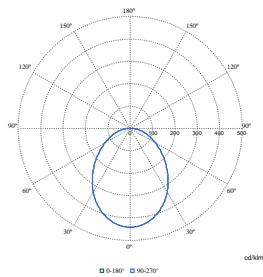
Polar Normal (separate) - null - 912401483437

## TrueCircle Recessed

### Polar Wide Diagrams



Polar Normal (separate) - null - 912401483436



Polar Normal (separate) - null - 912401483456

