



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.

TrueCircle Recessed

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

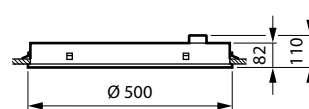
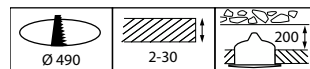
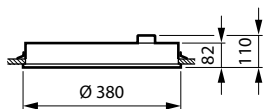
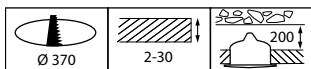
- Offices
- Hospitality
- Schools
- Residential

Versions



TrueCircle Recessed RC250B PSP
WH D380_SPP

Dimensional drawing



| 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 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

| | | Correlated Color | | | |
|------------|--------------------------------|------------------|-------------------|---------------|------------|
| Order Code | Full Product Name | Temperature | Luminous Efficacy | Luminous Flux | Optic type |
| | | (Nom) | (rated) (Nom) | | |
| 79793500 | RC250B 20S/830 PSU PSP D380 WH | 3000 K | 102 lm/W | 2,000 lm | Wide beam |
| 79794200 | RC250B 20S/840 PSD PSP D380 WH | 4000 K | 101 lm/W | 2,000 lm | Wide beam |
| 79795900 | RC250B 20S/830 PSD PSP D380 WH | 3000 K | 98 lm/W | 2,000 lm | Wide beam |
| 79792800 | RC250B 20S/840 PSU PSP D380 WH | 4000 K | 102 lm/W | 2,000 lm | Wide beam |
| 79796600 | RC250B 40S/840 PSU O D500 WH | 4000 K | 104 lm/W | 3,700 lm | Opal |
| 79797300 | RC250B 40S/830 PSU O D500 WH | 3000 K | 104 lm/W | 3,700 lm | Opal |
| 79798000 | RC250B 40S/840 PSD O D500 WH | 4000 K | 104 lm/W | 3,700 lm | Opal |
| 79799700 | RC250B 40S/830 PSD O D500 WH | 3000 K | 104 lm/W | 3,700 lm | Opal |

Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|------------|--------------------------------|-------------------|
| 79793500 | RC250B 20S/830 PSU PSP D380 WH | 19.5 W |
| 79794200 | RC250B 20S/840 PSD PSP D380 WH | 20 W |
| 79795900 | RC250B 20S/830 PSD PSP D380 WH | 20.5 W |

| Order Code | Full Product Name | Power Consumption |
|------------|--------------------------------|-------------------|
| 79792800 | RC250B 20S/840 PSU PSP D380 WH | 19.5 W |
| 79796600 | RC250B 40S/840 PSU O D500 WH | 35.5 W |
| 79797300 | RC250B 40S/830 PSU O D500 WH | 35.5 W |

TrueCircle Recessed

| Order Code | Full Product Name | Power Consumption |
|------------|------------------------------|-------------------|
| 79798000 | RC250B 40S/840 PSD O D500 WH | 35.5 W |

| Order Code | Full Product Name | Power Consumption |
|------------|------------------------------|-------------------|
| 79799700 | RC250B 40S/830 PSD O D500 WH | 35.5 W |

Controls and Dimming

| Order Code | Full Product Name | Dimmable | Maximum dim level |
|------------|--------------------------------|----------|-------------------|
| 79793500 | RC250B 20S/830 PSU PSP D380 WH | No | Not applicable |
| 79794200 | RC250B 20S/840 PSD PSP D380 WH | Yes | 1% |
| 79795900 | RC250B 20S/830 PSD PSP D380 WH | Yes | 1% |
| 79792800 | RC250B 20S/840 PSU PSP D380 WH | No | Not applicable |

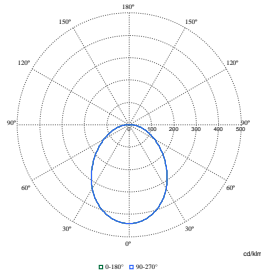
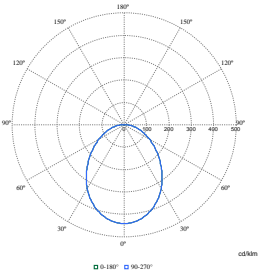
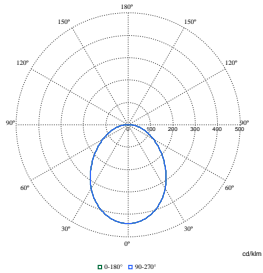
| Order Code | Full Product Name | Dimmable | Maximum dim level |
|------------|------------------------------|----------|-------------------|
| 79796600 | RC250B 40S/840 PSU O D500 WH | No | Not applicable |
| 79797300 | RC250B 40S/830 PSU O D500 WH | No | Not applicable |
| 79798000 | RC250B 40S/840 PSD O D500 WH | Yes | 1% |
| 79799700 | RC250B 40S/830 PSD O D500 WH | Yes | 1% |

Approval and Application

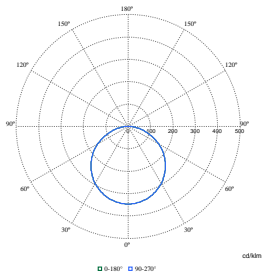
| Order Code | Full Product Name | Ambient temperature range |
|------------|--------------------------------|---------------------------|
| 79793500 | RC250B 20S/830 PSU PSP D380 WH | -10 to +40 °C |
| 79794200 | RC250B 20S/840 PSD PSP D380 WH | -10 to +40 °C |
| 79795900 | RC250B 20S/830 PSD PSP D380 WH | -10 to +40 °C |
| 79792800 | RC250B 20S/840 PSU PSP D380 WH | -10 to +40 °C |

| Order Code | Full Product Name | Ambient temperature range |
|------------|------------------------------|---------------------------|
| 79796600 | RC250B 40S/840 PSU O D500 WH | -10 to +35 °C |
| 79797300 | RC250B 40S/830 PSU O D500 WH | -10 to +35 °C |
| 79798000 | RC250B 40S/840 PSD O D500 WH | -10 to +35 °C |
| 79799700 | RC250B 40S/830 PSD O D500 WH | -10 to +35 °C |

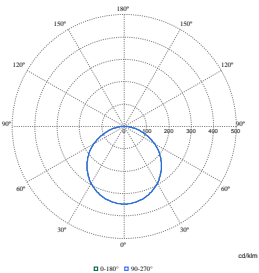
Polar Wide Diagrams



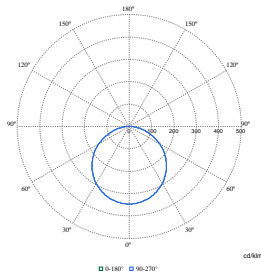
Polar Normal (separate) - null - 912401483433



Polar Normal (separate) - null - 912401483434



Polar Normal (separate) - null - 912401483435

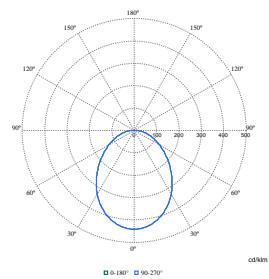
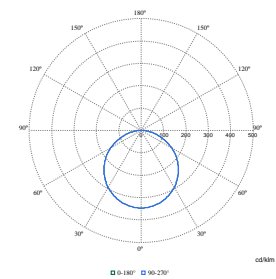


Polar Normal (separate) - null - 912401483439

Polar Normal (separate) - null - 912401483437

Polar Normal (separate) - null - 912401483438

Polar Wide Diagrams



Polar Normal (separate) - null - 912401483436

Polar Normal (separate) - null - 912401483456

