PHILIPS

## Essential recessed

10893035



# Essential: The remarkable and truly circular lighting solution

Philips Essential is a 3D printed lighting that offers you unparalleled functionality and customization matching every style. With a wide range of color and textures, it seamlessly blends into any decor, while providing functional lighting that meets office lighting requirements. This luminaire can be connected to other systems to create a smart office lighting solution with integrated sensors to avoid a ‘sensor acne’ in your beautifully designed ceilings. This family is available in 3 sizes and can be mounted in 3 different ways. It offers a VPC (Visible Profile Ceiling) option for easy installation and provides perfect rimless ceiling integration providing you with numerous design options to meet your needs. Philips Essential is made from recycled materials, 3D printed carbon neutral, making it a conscious choice for those looking to contribute to a circular economy. So, choose this lighting solution without compromising on style, performance, functionality, or sustainability.

## Benefits

- Fabric-inspired textures & colors to match interior styles and to meet design requirements
- Low weight and easy to install
- Save electricity costs with high efficiency
- Office compliant with UGR19 versions
- Clean & beautiful ceilings with integrated sensing options for daylight control, presence detection and more.
- Suitable for various project needs

## Applications

- Offices
- Healthcare
- Hospitality
- Retail

## Features

- A wide range of colors and textures
- 3 sizes and 3 mounting types (pendant, surface and recessed)
- Includes VPC option for easy installation and perfect rimless ceiling integration
- Efficacy up to 152 lm/W
- DALI or wireless drivers with Interact ready
- Printed parts with at least 55% recycled or mass balanced bio-circular material
- Luminous flux 900 - 8000 lm
- Lifetime 100,000hrs to L80
- Integrated Sensor option with presence detection and day light dimming

## Versions

Essential Recessed RTP



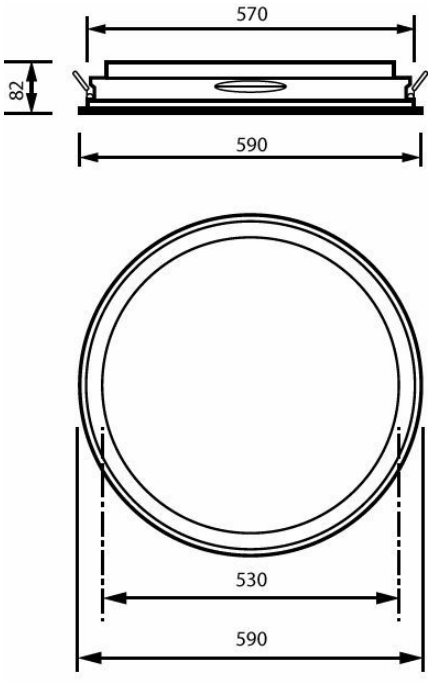
Essential Recessed RTP



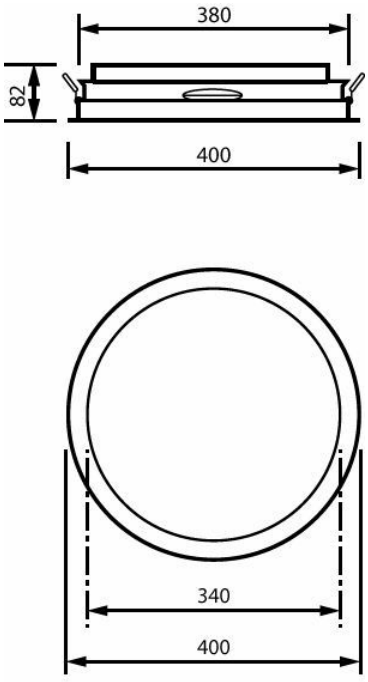
Essential Recessed RTP



## Dimensional drawing




TCBRLR 46S/930 DIA OC WH401




TCBRMR 19S/940 DIA OC WH401

### General Information

| | |
|---|---|
| Number of gear units | 1 unit |
| Driver included | Yes |
| Service tag | Yes |

### Light Technical

| | |
|---|---|
| Color rendering index (CRI) | >90 |
| Beam angle of light source | 90 degree(s) |
| Optic type | Beam angle 90° |

### Operating and Electrical

| | |
|---|---|
| Input Voltage | 220/240 V |
| Line Frequency | 50 to 60 Hz |
| Protection class IEC | Safety class II |

### Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Embedded control | Interact SC1500 Multi-sensor bundle |

### Mechanical and Housing

| | |
|---|---|
| Housing Color | White |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK04 [0.5 J standard plus] |

### Emergency Operation

| | |
|---|---|
| Central Emergency | No |

### Approval and Application

| | |
|---|---|
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Flammability mark | - |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Ambient temperature range | +10 to +35 °C |

### Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | -10% / +10% |

### Product Data

| | |
|---|---|
| Product family code | TCBRRM [Essential Recessed Mount] |

## Light Technical

| Order Code | Full Product Name | Luminous Flux | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) |
|---|---|---|---|---|
| 912500108783 | TCBRMR 19S/930 DIA OC WH401 | 1,817 lm | 3000 K | 118 lm/W |
| 912500108784 | TCBRMR 19S/940 DIA OC WH401 | 1,890 lm | 4000 K | 123 lm/W |
| 912500108785 | TCBRLR 46S/930 DIA OC WH401 | 4,416 lm | 3000 K | 128 lm/W |
| 912500108786 | TCBRLR 46S/940 DIA OC WH401 | 4,600 lm | 4000 K | 133 lm/W |
| 912500108787 | TCBRMR 19S/930 IA5 OC WH401 | 1,817 lm | 3000 K | 118 lm/W |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption | Suitable for random switching |
|---|---|---|---|
| 912500108783 | TCBRMR 19S/930 DIA OC WH401 | 15.4 W | Yes |
| 912500108784 | TCBRMR 19S/940 DIA OC WH401 | 15.4 W | Yes |
| 912500108785 | TCBRLR 46S/930 DIA OC WH401 | 34.5 W | Yes |
| 912500108786 | TCBRLR 46S/940 DIA OC WH401 | 34.5 W | Yes |
| 912500108787 | TCBRMR 19S/930 IA5 OC WH401 | 15.4 W | Yes (relates to presence/ movement detection and daylight harvesting) |

## Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Initial chromaticity |
|---|---|---|
| 912500108783 | TCBRMR 19S/930 DIA OC WH401 | (0.44, 0.40) SDCM < 3 |
| 912500108784 | TCBRMR 19S/940 DIA OC WH401 | (0.38, 0.38) SDCM < 3 |
| 912500108785 | TCBRLR 46S/930 DIA OC WH401 | (0.44, 0.40) SDCM < 3 |
| 912500108786 | TCBRLR 46S/940 DIA OC WH401 | (0.38, 0.38) SDCM < 3 |
| 912500108787 | TCBRMR 19S/930 IA5 OC WH401 | (0.44, 0.40) SDCM < 3 |

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