PHILIPS

Lighting



Essential: The remarkable and truly circular lighting solution

Essential recessed

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

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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

Application

- Offices
- Healthcare
- Hospitality
- Retail

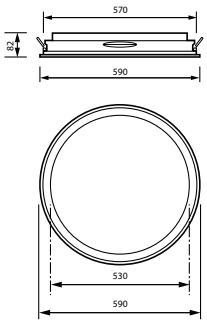
Versions

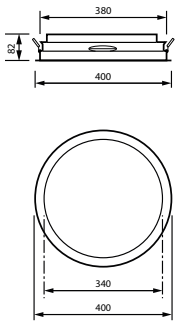
Essential Recessed RTP



Essential Recessed RTP

Dimensional drawing





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General Information	
Driver included	Yes
Number of gear units	1 unit
Light Technical	
Beam angle of light source	90 degree(s)
Color rendering index (CRI)	>90
Optic type	Beam angle 90°
Operating and Electrical	
Protection class IEC	Safety class II
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Housing Color	White
Mech. impact protection code	IK04
Ingress protection code	IP20
Emergency Operation	
Central Emergency	No
Approval and Application	
Ambient temperature range	+10 to +35 °C
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Initial Performance (IEC Compliant)	
Luminous flux tolerance	-10% / +10%

Light Technical

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

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Suitable for random switching
912500108783	TCBRMR 19S/930 DIA OC WH401	15.4 W	No
912500108784	TCBRMR 19S/940 DIA OC WH401	15.4 W	No
912500108785	TCBRLR 46S/930 DIA OC WH401	34.5 W	No
912500108786	TCBRLR 46S/940 DIA OC WH401	34.5 W	No

Order Code	Full Product Name	Power Consumption	Suitable for random switching
912500108787	TCBRMR 19S/930 IA5 OC WH401	15.4 W	Yes (relates to presence/ movement detection and daylight harvesting)

Controls and Dimming

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Order Code	Full Product Name	Embedded control
912500108783	TCBRMR 19S/930 DIA OC WH401	-
912500108784	TCBRMR 19S/940 DIA OC WH401	-
912500108785	TCBRLR 46S/930 DIA OC WH401	-

Order Code	Full Product Name	Embedded control
912500108786	TCBRLR 46S/940 DIA OC WH401	-
912500108787	TCBRMR 19S/930 IA5 OC WH401	Interact SC1500 Multi-sensor bundle

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

Order Code	Full Product Name	Initial chromaticity
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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