



Philips Essential: The remarkable and truly circular lighting solution

Essential Surface

Philips Essential is a functional surface mount round luminaire with a wide range of color and textures, which can seamlessly blend into any decor, while meeting office lighting requirements. It 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. 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 Surface RTP

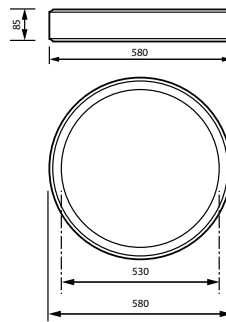
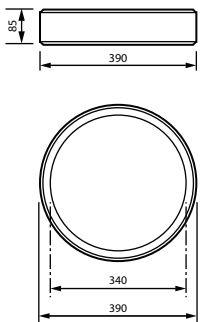


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Dimensional drawing



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
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Mechanical and Housing

Housing Color	White
Mech. impact protection code	IK04
Ingress protection code	IP20

Emergency Operation

Central Emergency	No
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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%
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Light Technical

Order Code	Full Product Name	Correlated Color	Luminous Efficacy	
		Temperature (Nom)	(rated) (Nom)	Luminous Flux
912500108723	TCBRLS 46S/930 DIA OC WH401T102	3000 K	128 lm/W	4,416 lm
912500108724	TCBRLS 46S/940 DIA OC WH401T102	4000 K	133 lm/W	4,600 lm
912500108727	TCBRMS 19S/930 DIA OC WH401T102	3000 K	118 lm/W	1,817 lm
912500108728	TCBRMS 19S/940 DIA OC WH401T102	4000 K	123 lm/W	1,890 lm
912500108781	TCBRMS 19S/930 IA5 OC WH401T102	3000 K	118 lm/W	1,817 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Suitable for random switching
912500108723	TCBRLS 46S/930 DIA OC WH401T102	34.5 W	No
912500108724	TCBRLS 46S/940 DIA OC WH401T102	34.5 W	No
912500108727	TCBRMS 19S/930 DIA OC WH401T102	15.4 W	No
912500108728	TCBRMS 19S/940 DIA OC WH401T102	15.4 W	No

Order Code	Full Product Name	Power Consumption	Suitable for random switching
912500108781	TCBRMS 19S/930 IA5 OC WH401T102	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
912500108723	TCBRLS 46S/930 DIA OC WH401T102	-
912500108724	TCBRLS 46S/940 DIA OC WH401T102	-
912500108727	TCBRMS 19S/930 DIA OC WH401T102	-

Order Code	Full Product Name	Embedded control
912500108728	TCBRMS 19S/940 DIA OC WH401T102	-
912500108781	TCBRMS 19S/930 IA5 OC WH401T102	Interact SC1500 Multi-sensor bundle

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
912500108723	TCBRLS 46S/930 DIA OC WH401T102	(0.44, 0.40) SDCM < 3
912500108724	TCBRLS 46S/940 DIA OC WH401T102	(0.38, 0.38) SDCM < 3
912500108727	TCBRMS 19S/930 DIA OC WH401T102	(0.44, 0.40) SDCM < 3

Order Code	Full Product Name	Initial chromaticity
912500108728	TCBRMS 19S/940 DIA OC WH401T102	(0.38, 0.38) SDCM < 3
912500108781	TCBRMS 19S/930 IA5 OC WH401T102	(0.44, 0.40) SDCM < 3

