PHILIPS

Lighting

Essential Suspended

TCBRLP 46S/930 DIA OC WH401T102 WH

3D printed, 34.5 W, D580 mm; H85 mm, 4416 lm, 3000 K, CRI>90, DALI, Interact Ready, UGR19

Philips Essential is a functional pendant 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.

Product data

General Information	
Number of gear units	1 unit
Driver included	Yes
Value ladder	Specification
Warranty period	5 years
Sustainability rating	Lighting for circularity

Light Technical	
Luminous Flux	4,416 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	128 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	90 degree(s)
Light source color	930 warm white

Optic type	Beam angle 90°
Luminaire light beam spread	90°
Unified glare rating CEN	19
Indirect glare reduction measure for Display Screen Equipment (EN 12464-2021)	L65≤3000 cd/m²

Operating and Electrical	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Inrush current	20.4 A
Inrush time	0.2 ms
Power Consumption	34.5 W
Power Factor (Fraction)	0.9
Connection	2 Push-in connector 5-pole

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Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	No
Protection class IEC	Safety class II
Feed-through wiring	Feed-through wiring 1-phase

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Intaract System ready
Control interface	DALI
Constant light output	No
DALI Standard	D4i™ DALI-2™
Connectivity	Interact Ready

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polystyrene
Fixation material	-
Housing Color	White
Optical cover finish	Micro-hexagonal optic
Overall height	85 mm
Overall diameter	580 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK04 [0.5 J standard plus]
Mounting	Suspended
Net Weight (Piece)	4.000 kg

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
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.44, 0.40) SDCM < 3
Power consumption tolerance	+/-10%

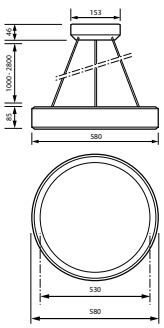
Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Lumen maintenance at median useful life* 50000 h	L80
Lumen maintenance at median useful life* 100000 h	L80

Product Data

Order product name	TCBRLP 46S/930 DIA OC WH401T102 WH
Full product name	TCBRLP 46S/930 DIA OC WH401T102 WH
Full product code	872016986386600
Order code	912500108725
Material Nr. (12NC)	912500108725
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169863866
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169863866

Dimensional drawing



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2025, January 20 - data subject to change