PHILIPS Lighting



Essential Surface

TCBRMS 195/930 DIA OC WH401T102

Essential Surface, 3D printed, 15.4 W, D390 mm; H85 mm, 1817 lm, 3000 K, CRI>90, DALI, Interact Ready, UGR19

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.

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	1,817 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	118 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	90 degree(s)
Light source color	930 warm white
	550 wann winte

Optic typeBeam angle 90°Luminaire light beam spread90°Unified glare rating CEN19Operating and ElectricalInput Voltage220/240 VLine Frequency50 to 60 HzInrush current20.4 AInrush time0.2 msPower Consumption15.4 WPower Factor (Fraction)0.9Connection2 Push-in connector 5-pole		
Unified glare rating CEN 19 Operating and Electrical Input Voltage Input Voltage 220/240 V Line Frequency 50 to 60 Hz Inrush current 20.4 A Inrush time 0.2 ms Power Consumption 15.4 W Power Factor (Fraction) 0.9 Connection 2 Push-in connector 5-pole	Optic type	Beam angle 90°
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 15.4 W Power Factor (Fraction) 0.9 Connection 2 Push-in connector 5-pole	Luminaire light beam spread	90°
Input Voltage220/240 VLine Frequency50 to 60 HzInrush current20.4 AInrush time0.2 msPower Consumption15.4 WPower Factor (Fraction)0.9Connection2 Push-in connector 5-pole	Unified glare rating CEN	19
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Inrush current 20.4 A Inrush time 0.2 ms Power Consumption 15.4 W Power Factor (Fraction) 0.9 Connection 2 Push-in connector 5-pole	Input Voltage	220/240 V
Inrush time 0.2 ms Power Consumption 15.4 W Power Factor (Fraction) 0.9 Connection 2 Push-in connector 5-pole	Line Frequency	50 to 60 Hz
Power Consumption 15.4 W Power Factor (Fraction) 0.9 Connection 2 Push-in connector 5-pole	Inrush current	20.4 A
Power Factor (Fraction) 0.9 Connection 2 Push-in connector 5-pole	Inrush time	0.2 ms
Connection 2 Push-in connector 5-pole	Power Consumption	15.4 W
	Power Factor (Fraction)	0.9
Cable	Connection	2 Push-in connector 5-pole
	Cable	-
Number of products on MCB of 16 A type B 24	Number of products on MCB of 16 A type B	24

Essential Surface

Suitable for random switching	No
Protection class IEC	Safety class II
Feed-through wiring	Feed-through wiring 1-phase
Total harmonic distortion	2 %
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	390 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK04 [0.5 J standard plus]
Mounting	Surface
Net Weight (Piece)	2.200 kg
Emergency Operation	
Central Emergency	No

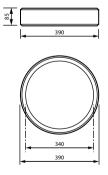
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 ℃
Ambient temperature range	+10 to +35 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.44, 0.40) SDCM < 3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life	10 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Product Data	
Order product name	TCBRMS 195/930 DIA OC WH401T102
Full product name	TCBRMS 195/930 DIA OC WH401T102
Full product code	872016986388000
Order code	912500108727
Material Nr. (12NC)	912500108727
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169863880
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169863880

Approval and Application

Glow-wire test

est Temperature 650 °C, duration 30 s

Dimensional drawing



Essential Surface



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