



# Essential Surface

## TCBRMS 19S/930 IA5 OC WH401T102

Essential Surface, 3D printed, 15.4 W, D390 mm; H85 mm, 1817 lm, 3000 K, CRI>90, Wireless, Interact Ready, UGR19, IA5, TP(b)

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
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Unclassified
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
Optic type	Beam angle 90°
Luminaire light beam spread	90°
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	220/240 V
Line Frequency	50 to 60 Hz
Inrush current	6.7 A
Inrush time	0.03 ms
Power Consumption	15.4 W

## Essential Surface

Power Factor (Fraction)	0.9
Connection	2 Push-in connector 2-pole
Cable	-
Number of products on MCB of 16 A type B	100
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)
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	Sensor ready driver Interact System ready
Control interface	Wireless
Constant light output	No
Connectivity	Interact Ready
Embedded control	Interact SC1500 Multi-sensor bundle

### 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
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### 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
Diffuser Flammability Class	TP(b) diffuser flammability class
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%

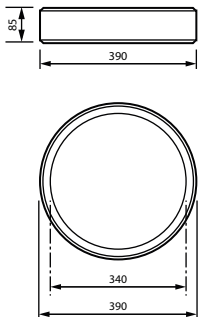
### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at L80 median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at L80 median useful life* 100000 h	

### Product Data

Order product name	TCBRMS 19S/930 IA5 OC WH401T102
Full product name	TCBRMS 19S/930 IA5 OC WH401T102
Full product code	872016986430600
Order code	912500108781
Material Nr. (12NC)	912500108781
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169864306
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169864306
Product family code	TCBRSM [Essential Surface Mount]

## Dimensional drawing



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