



# Essential recessed

## TCBRMR 19S/930 IA5 OC WH401

Essential recessed, 3D printed, 15.4 W, D400mm, 1817 lm, 3000 K, CRI>90, Wireless, Interact Ready, UGR19, IA5, TP(b)

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.

### 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

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Indirect glare reduction measure for Display Screen Equipment (EN 12464-2021)	$L65 \leq 3000 \text{ cd/m}^2$
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### 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
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 SCI1500 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	82 mm
Overall diameter	400 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK04 [0.5 J standard plus]
Mounting	Recessed
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 median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

### Product Data

Order product name	TCBRMR 19S/930 IA5 OC WH401
Full product name	TCBRMR 19S/930 IA5 OC WH401
Full product code	872016986436800
Order code	912500108787
Material Nr. (12NC)	912500108787
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169864368
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169864368
Product family code	TCBRRM [Essential Recessed Mount]

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### Dimensional drawing

