



# Essential Surface

## TCBRSM 580 46S/930 OC DIA WH401 T102

Essential Surface, 3D printed, 34.5 W, D580 mm; H85 mm, 4416 lm, 3000 K, CRI>90, DALI, Interact Ready, UGR19, TP(b)

D580 mm; H85 mm, Polycarbonate, White, Surface, Dali dimming Interact System ready, 4416 lm, 34.5 W, 128 lm/W, 3000 K, (0.44, 0.40) SDCM < 3, CRI>90, UGR19, Beam angle 90°, Micro-hexagonal optic, Polystyrene, IP20 | Finger-protected, IK04 | 0.5 J standard plus, Safety class II, 2 Push-in connector 5-pole, Feed-through wiring 1-phase, TP(b) diffuser flammability class

### Product data

General Information		Operating and Electrical	
Number of gear units	1 unit	Input Voltage	220/240 V
Driver included	Yes	Line Frequency	50 to 60 Hz
Value ladder	Specification	Inrush current	20.4 A
Warranty period	5 years	Inrush time	0.2 ms
Light Technical		Power Consumption	34.5 W
Luminous Flux	4,416 lm	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	3000 K	Connection	2 Push-in connector 5-pole
Luminous Efficacy (rated) (Nom)	128 lm/W	Cable	-
Color rendering index (CRI)	>90	Number of products on MCB of 16 A type B	24
Beam angle of light source	90 degree(s)	Suitable for random switching	No
Light source color	930 warm white	Protection class IEC	Safety class II
Optic type	Beam angle 90°	Feed-through wiring	Feed-through wiring 1-phase
Luminaire light beam spread	90°	Total harmonic distortion	2 %
Unified glare rating CEN	19	Controls and Dimming	
		Dimmable	Yes

## Essential Surface

Driver/power unit/transformer	Dali dimming Interact System ready
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™ with extended data: Parts 251/252/253
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	Surface
Net Weight (Piece)	4.000 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

### Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

### Product Data

Order product name	TCBRSM 580 46S/930 OC DIA WH401 T102
Full product name	TCBRSM 580 46S/930 OC DIA WH401 T102
Full product code	872016986384200
Order code	912500108723
Material Nr. (12NC)	912500108723
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169863842
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169863842
Product family code	TCBRSM [Essential Surface Mount]

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### Dimensional drawing

