



TrueBlend Recessed

RC455B 28S/TWBU MCW-M U4 L1200 W100 B40

TrueBlend Recessed, BioUp, 37.5 W, 1200x100 mm, B40, 2800 lm, Tunable white 2700-6500 K, CRI>90, Wireless, Interact Ready, UGR16, U4, TP(b), EL-DC

1200x100 mm, Steel, White, Signal white (RAL9003), Single layer powder coating, Mounting bracket - fixed height 40 mm - For T/Omega profiles, Sensor ready driver Interact System ready for central emergency lighting, Upgradable sensor slot with SC200 sensor, 2800 lm, 37.5 W, 75 lm/W, Tunable white 2700-6500 K, Tunable, SDCM ≤ 3.0 , CRI>90, UGR16, Reflector, White reflector, IP20 | Finger-protected, IK03 | 0.3 J, Safety class I, Push-in connector 3-pole, TP(b) diffuser flammability class, DC operated central emergency lighting

Warnings and Safety

- The product is IP20 and, as such, is not protected against water ingress. Therefore, we strongly recommend that the environment in which the luminaire is to be installed is suitably checked.
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure and the product warranty will become void.

Product data

General Information		Light Technical	
Lamp family code	40S [LED module, system flux 4000 lm]	Upward light output ratio	0
Number of gear units	1 unit	Luminous Flux	2,800 lm
Driver included	Yes	Correlated Color Temperature (Nom)	Tunable white 2700-6500 K
Light source engine type	LED	Luminous Efficacy (rated) (Nom)	75 lm/W
Service tag	Yes	Color rendering index (CRI)	>90
Value ladder	Specification	Light source color	Tunable White Bio-up Cyan Enhanced Spectrum CRI80
Warranty period	5 years	Optic type	Reflector

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Luminaire light beam spread	76° x 74°
Unified glare rating CEN	16

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	25.1 A
Inrush time	214 ms
Power Consumption	37.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	Yes
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Sensor ready driver Interact System ready for central emergency lighting
Control interface	Wireless
Constant light output	No
Maximum dim level	1%
Connectivity	Interact Ready
Embedded control	Upgradable sensor slot with SC200 sensor

Mechanical and Housing

Housing Material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	-
Fixation material	Steel
Housing Color	White
Mounting device	-
Optical cover shape	Flat
Optical cover finish	-
Reflector Finish	White reflector
Overall length	1,200 mm
Overall width	100 mm
Overall height	75 mm
Dimensions (Height x Width x Depth)	75 x 100 x 1200 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Mounting	Mounting bracket - fixed height 40 mm - For T/Omega profiles
Optical cover type	Micro Hexagonal Optic
Net Weight (Piece)	4.930 kg

Emergency Operation

Central Emergency	Yes
Emergency lighting	DC operated central emergency lighting

Emergency lighting operation mode	Maintained
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Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
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%
Initial chromaticity	Tunable, SDCM ≤3.0
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	2.5 %
Control gear failure rate at median useful life 100000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

Sustainability rating	Lighting for wellbeing
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

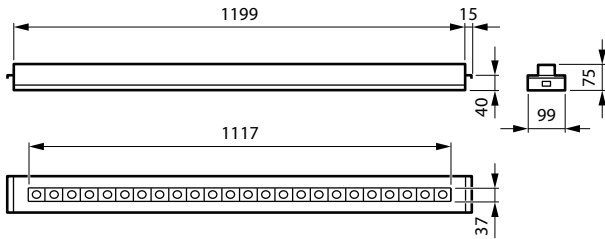
Order product name	RC455B 28S/TWBUC MCW-M U4 L1200 W100 B40
Full product name	RC455B 28S/TWBUC MCW-M U4 L1200 W100 B40
Full product code	872016962183100
Order code	62183100

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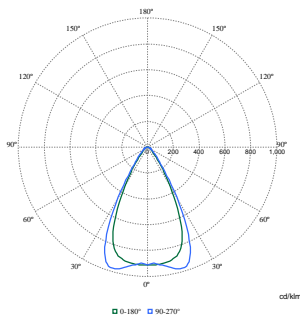
Material Nr. (12NC)	910505103959
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169621831
Numerator - Packs per outer box	1

EAN/UPC - Case	8720169621831
Product family code	RC455B [TrueBlend Recessed Bandrastrer]

Dimensional drawing



Photometric data



Polar Normal (separate) - RC450BI - 910505103959

