



TrueBlend Recessed

RC453B 28S/BU840 DLO L1200W300B30

TrueBlend Recessed, 19.6 W, 1200X300 mm, B30, 2800 lm, 4000 K, UGR19, TP(b), EL-DC

1200X300 mm, Steel, White, Signal white (RAL9003), Single layer powder coating, Mounting bracket - fixed height 30 mm - For C/U profiles, Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated), 2800 lm, 19.6 W, 143 lm/W, 4000 K, (0.38, 0.38) SDCM \leq 3.0, UGR19, $L65 \leq 3000$ cd/m², Wide beam office compliant, White reflector, Diffused lens optic, Polymethyl methacrylate, IP20 | Finger-protected, IK03 | 0.3 J, Safety class I, Push-in connector 5-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			
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	143 lm/W
Driver included	Yes	Color rendering index (CRI)	>80
Service tag	Yes	Beam angle of light source	72 degree(s)
Value ladder	Specification	Light source color	LED color BioUP Cyan Enhanced Spectrum CRI80 4000K
Warranty period	5 years	Optic type	Wide beam office compliant
		Luminaire light beam spread	76° x 74°
		Unified glare rating CEN	16
Light Technical			
Luminous Flux	2,800 lm		
Correlated Color Temperature (Nom)	4000 K		

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Indirect glare reduction measure for Display Screen Equipment (EN 12464-2021)	L65≤3000 cd/m ²
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Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	350 A
Inrush time	5,000 ms
Power Consumption	19.6 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	21
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated)
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
Optical cover finish	Diffused lens optic
Reflector Finish	White reflector
Overall length	1,200 mm
Overall width	300 mm
Overall height	70 mm
Dimensions (Height x Width x Depth)	70 x 300 x 1200 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Mounting	Mounting bracket - fixed height 30 mm - For C/U profiles
Net Weight (Piece)	5.670 kg

Emergency Operation

Central Emergency	Yes
Emergency lighting	DC operated central emergency lighting
Emergency lighting operation mode	Maintained

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
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM ≤3.0
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

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

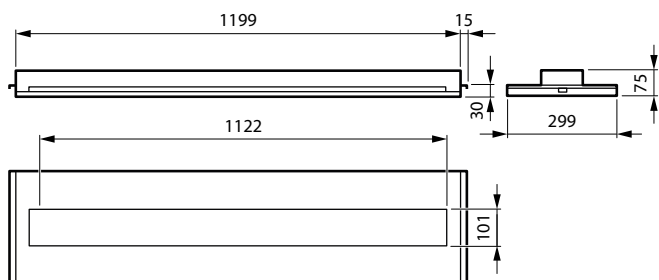
Order product name	RC453B 28S/BU840 DLO L1200W300B30
Full product name	RC453B 28S/BU840 DLO L1200W300B30
Full product code	872016963379700
Order code	910505105916
Material Nr. (12NC)	910505105916

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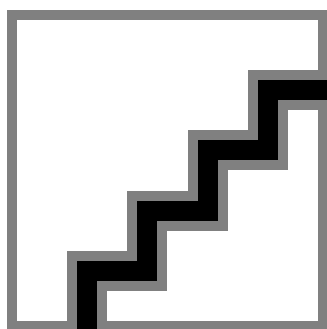
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169633797
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169633797

Product family code	RC453B [TrueBlend Recessed SAS330]
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Dimensional drawing



Photometric data



Polar Normal (separate) - null - 910505105916

