PHILIPS

Lighting

TrueBlend Recessed

RC453B 28S/840 DLO L1200 W300 B30

TrueBlend Recessed, 17.4 W, 1200x300 mm, B30, 2800 lm, 4000 K, UGR16, 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, 17.4 W, 161 lm/W, 4000 K, (0.38, 0.38) SDCM ≤3.0, UGR16, 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	
Lamp family code	28S [LED module, system flux 2800 lm]
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Value ladder	Specification
Warranty period	5 years

Light Technical	
Upward light output ratio	0
Luminous Flux	2,800 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam office compliant
Luminaire light beam spread	76° x 74°
Unified glare rating CEN	16

TrueBlend Recessed

Melanopic Daylight Efficacy Ratio	0.65

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	23.1 A
Inrush time	221 ms
Power Consumption	17.4 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	22
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%
Embedded control	-

Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Mounting device	-
Optical cover shape	Flat
Optical cover finish	Diffused lens optic
Reflector Finish	White reflector
Overall length	1,200 mm
Overall width	300 mm
Overall height	75 mm
Dimensions (Height x Width x Depth)	75 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
Optical cover type	Acrylic bowl/cover frosted
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
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%
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	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

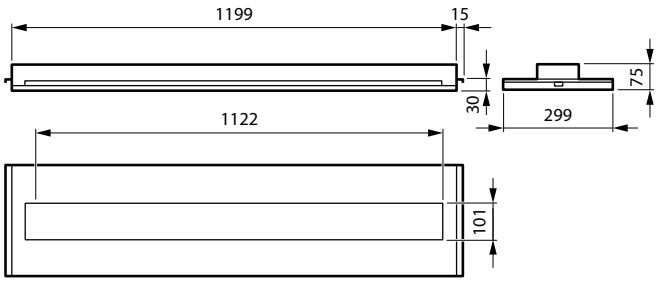
Order product name	RC453B 28S/840 DLO L1200 W300 B30
Full product name	RC453B 28S/840 DLO L1200 W300 B30
Full product code	872016962195400
Order code	910505103971
Material Nr. (12NC)	910505103971
Numerator - Quantity Per Pack	1

TrueBlend Recessed

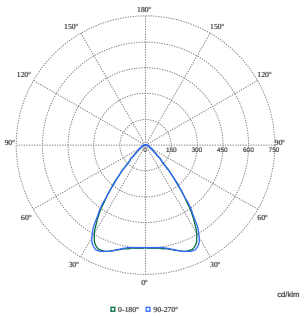
EAN/UPC - Product/Case	8720169621954
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169621954

Product family code	RC455B [TrueBlend Recessed Bandraster]

Dimensional drawing



Photometric data



Polar Normal (separate) - RC450BI - 910505103971

© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.