TrueBlend Recessed

RC455B 36S/940 MLO L1200 W100 B40

TrueBlend Recessed, 38 W, 1200x100 mm, B40, 3600 lm, 4000 K, CRI>90, UGR19, 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, Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated), 3600 lm, 38 W, 95 lm/W, 4000 K, (0.38, 0.38) SDCM ≤3.0, CRI>90, UGR19, Wide beam office compliant, White reflector, Micro-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	36S [LED Module, system flux 3600 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	3,600 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	95 lm/W
Color rendering index (CRI)	>90
Light source color	940 neutral white
Optic type	Wide beam office compliant
Luminaire light beam spread	76° x 74°
Unified glare rating CEN	19

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Melanopic Daylight Efficacy Ratio	0.62

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	38 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%
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	Micro-lens optic
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-lens optic
Net Weight (Piece)	4.930 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	RC455B 36S/940 MLO L1200 W100 B40
Full product name	RC455B 36S/940 MLO L1200 W100 B40
Full product code	872016962166400
Order code	910505103942
Material Nr. (12NC)	910505103942
Numerator - Quantity Per Pack	1

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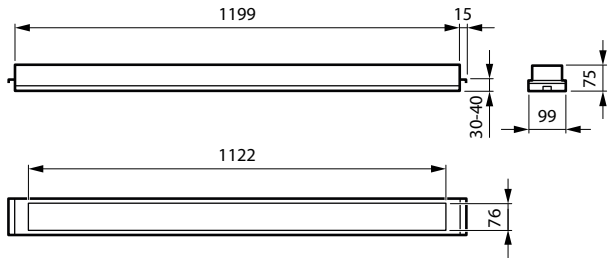
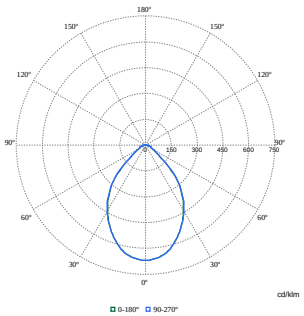
EAN/UPC - Product/Case	8720169621664
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169621664

Product family code	RC455B [TrueBlend Recessed Bandraster]

Dimensional drawing



Photometric data



Polar Normal (separate) - RC450BI - 910505103942

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