



# TrueBlend Recessed

## RC453B 36S/940 DLO U5 L1200 W300 B30

TrueBlend Recessed, 22.5 W, 1200x300 mm, B30, 3600 lm, 4000 K, CRI>90, Wireless, Interact Ready, UGR16, U5, TP(b), EL-DC

When specifying lighting for premium office applications, technical specifiers need to deal with a wide variety of requirements and constraints linked to ceiling types and customer/architect preferences. Philips TrueBlend is a flexible luminaire portfolio offering choice in look and feel for the architect, and mechanical fit to many different ceiling types and a palette of optics to choose from. Philips TrueBlend is built around flexibility and choice; our new recessed office range is a perfect fit for your non-standard ceiling or renovation project where luminaires need to fit the hole of existing luminaires. A wide variety of optics, best-in-class efficacy, combined with our wellbeing LED spectra and Interact connectivity, offers choice in performance and look and feel. TrueBlend helps save energy & provide the right level of light. Not only is it compliant with the WELL Building Standard for Light, but also is rated UGR<19, which is compliant with all office norms (OC). This luminaire family is available in different lengths, light outputs, optics, housing colours, various bracket heights and connectors. This offers the ultimate design flexibility and unlimited possibilities. TrueBlend luminaires offer state-of-the-art efficacy and excellent light quality (CRI>90) with upgradability features and repairability that promises a long lifetime. They are also designed for recyclability, making them a truly circular, environmentally friendly choice. So, TrueBlend is an all-in-one solution with superior lighting specifications combined with a sustainable approach to high-performance office 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.

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## Product data

General Information		Housing Colour	
Lamp family code	34S [LED module, system flux 3400 lm]	Housing Colour	White
Number of gear units	Unit	Mounting device	-
Driver included	Yes	Optical cover/lens shape	Flat
Light source engine type	LED	Optical cover/lens finish	Diffused lens optic
Service Tag	Yes	Reflector finish	White reflector
Value ladder	Specification	Overall length	1,200 mm
Warranty period	5 years	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
Light Technical		Emergency Operation	
Upwards light output ratio	0	Central Emergency	Yes
Luminous Flux	3,600 lm	Emergency lighting	DC operated central emergency lighting
Correlated Colour Temperature (Nom)	4000 K	Emergency lighting operation mode	Maintained
Luminous efficacy (rated) (nom.)	160 lm/W		
Colour rendering index (CRI)	>90	Approval and Application	
Light source colour	940 neutral white	Glow-wire test	Temperature 850 °C, duration 30 s
Optic type	Wide beam office-compliant	Flammability mark	For mounting on normally flammable surfaces
Luminaire light beam spread	76° x 74°	CE mark	Yes
Unified Glare Rating (CEN)	16	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
Operating and Electrical		Initial Performance (IEC Compliant)	
Input Voltage	220 to 240 V	Luminous flux tolerance	+/-10%
Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM ≤3.0
Inrush current	23 A	Power consumption tolerance	+/-10%
Inrush time	216 ms	Init. Colour Rendering Index Tolerance	+/-2
Power Consumption	22.5 W		
Power Factor (Fraction)	0.9	Over Time Performance (IEC Compliant)	
Connection	Push-in connector 3-pole	Control gear failure rate at median useful life 50,000 h	2.5 %
Cable	-	Control gear failure rate at median useful life 100,000 h	5 %
Number of products on MCB (16 A type B)	24	Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Suitable for random switching	Yes	Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80
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	Interact SC1500 Multi-sensor bundle		
Mechanical and Housing			
Housing material	Steel		
Reflector material	Steel		
Optic material	Polymethyl methacrylate		
Optical cover/lens material	Polymethyl methacrylate		
Fixation material	Steel		

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## Sustainability Data

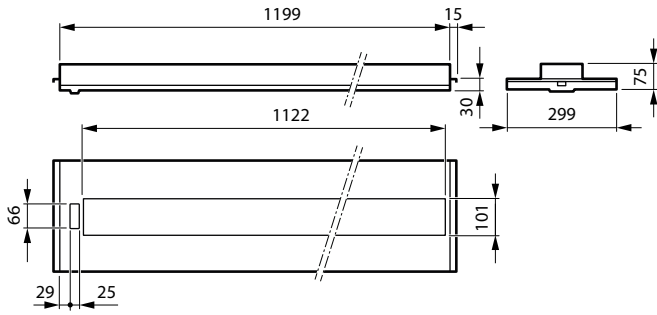
<b>Sustainability rating</b>	Unclassified
<b>Repair class</b>	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.

## Product Data

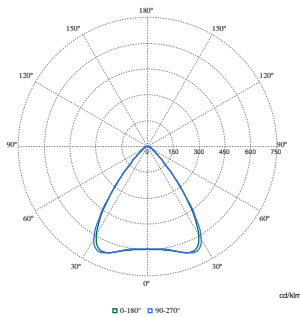
<b>Order product name</b>	RC453B 36S/940 DLO U5 L1200 W300 B30
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<b>Full product name</b>	RC453B 36S/940 DLO U5 L1200 W300 B30
<b>Full EOC</b>	872016962199200
<b>Order code</b>	910505103975
<b>Material no. (12 NC)</b>	910505103975
<b>Numerator – quantity per pack</b>	1
<b>EAN/UPC – Product/Case</b>	8720169621992
<b>Numerator – packs per outer box</b>	1
<b>EAN/UPC – Case</b>	8720169621992
<b>Product family code</b>	RC455B [TrueBlend Recessed Bandrastrer]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - RC450BI - 910505103975

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