

TrueBlend Recessed

RC450BI



TrueBlend: Proposition build around flexibility, choice, and performance.

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 & 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 & 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 colors, various bracket height, 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, green choice. So, TrueBlend is an all-in-one solution with superior lighting specifications combined with sustainable approach to high-performance office lighting.

Benefits

- Designed for enhanced well-being of people with high quality of light.
- Best-in-class efficacy with superior lighting specifications & long lifetime
- Sustainable, future-ready, scalable smart office capabilities with best-in-class Interact proposition.
- Significantly reduces operational costs for an attractive payback time.
- Highly uniform lighting with excellent glare control (UGR<19, L65<3000cd/m2)
- 3000K, 4000K, Tunable White & tunable white bio-up versions, all CRI>90
- Long lifetime upto L90@50,000 hours
- Wide connector choice for simpler & faster installation
- Connected system ready with Interact Pro scalable platform using integrated sensors and/or wireless drivers for data collection, occupancy, daylight regulation and wayfinding.
- Prepared for circularity (no glue, replaceable electronics, upgradable system, efficient and long lifetime) plus supporting Environmental Product Declaration (EPD) guide.
- Recessed mounting options, including all accessories.

Applications

- Offices
- Education
- Retail

Features

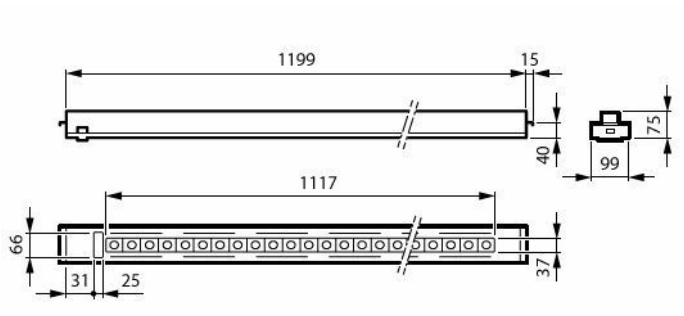
- Best-in-class efficacy up to 170lm/W supports green building design and energy saving subsidy criteria.
- Office-compliant lighting with wide optics choices like DLO, MLO & mini cups.

Versions



TrueBlend Recessed RC455B
minicups WH U4 4FT

Dimensional drawing



RC455B 36S/940 MCW-M U4 L1200 W100 B40

Product details



TrueBlend Recessed U4 sensor



TrueBlend Recessed Mini cups- White optics DPP

General Information

Lamp family code	36S [LED Module, system flux 3600 lm]
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	3,600 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	122 lm/W
Color rendering index (CRI)	>90
Optic type	Reflector

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Power Consumption	29.5 W
Suitable for random switching	Yes
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Yes
Maximum dim level	1%
Embedded control	Upgradable sensor slot with SC200 sensor

Mechanical and Housing

Housing Color	White
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Optical cover type	-

Emergency Operation

Central Emergency	Yes
Emergency lighting	DC operated central emergency lighting

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
Ambient temperature range	+10 to +35 °C

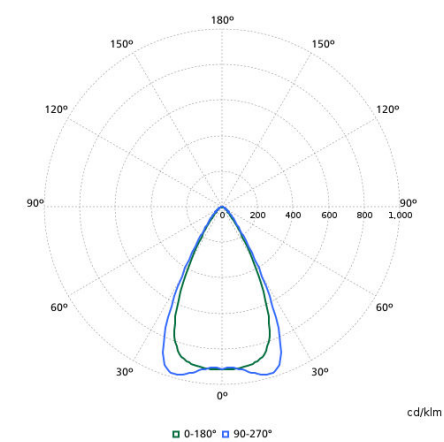
Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM ≤3.0

Product Data

Product family code	RC455B [TrueBlend Recessed Bandraster]
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Polar normal diagrams



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