



# FlexBlend Recessed

## RC340B 42S/930 DEIA W60L60 PCV MLO W3W2

FlexBlend Recessed, 45 W, 600x600 mm, PCV, 4200 lm, 3000 K, CRI>90, DALI, UGR19, Wieland

Office owners and staff responsible for lighting operations are searching for high quality yet energy-efficient lighting that complies with norms and regulations. Designed to support these needs, Philips FlexBlend is enabling building owners to fully optimize their lighting operations, by offering office-compliant lighting with an attractive return on investment. Furthermore, FlexBlend provides the required flexibility by being easy applied on different ceiling types as well as in different office spaces like open office or meeting rooms. Though technology is changing fast, the ideal lighting solution is also expected to be ready to incorporate innovations and future advances that can help optimize operations further. For this reason, Philips FlexBlend is also ready to be connected to controls such as Actilume or used together with the Philips SpaceWise lighting system. It can also be connected to software-based lighting systems like Interact Office, which provides the luminaire with further intelligence and enables it to collect valuable data about its environment

### Product data

| General Information      |   |                                    |  |
|--------------------------|---|------------------------------------|--|
| Light source replaceable | No  |                                    | driver, control units, surge protection device, front cover and mechanical parts |
| Number of gear units     | 1 unit  | Warranty period                    | 5 years  |
| Driver included          | Yes   | Sustainability rating              | Unclassified   |
| Service tag              | Yes   | Light Technical                    |  |
| Lighting Technology      | LED   | Luminous Flux                      | 4,200 lm   |
| Value ladder             | Performance   | Saturated Red (R9)                 | >50  |
| Serviceability class     | Class B, luminaire is equipped with some serviceable parts (when applicable): | Correlated Color Temperature (Nom) | 3000 K   |
|                          |   | Luminous Efficacy (rated) (Nom)    | 93 lm/W  |

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|                             |                |
|-----------------------------|----------------|
| Color rendering index (CRI) | >90            |
| Beam angle of light source  | 120 degree(s)  |
| Light source color          | 930 warm white |
| Optic type                  | Wide beam      |
| Luminaire light beam spread | 81° x 85°      |
| Unified glare rating CEN    | 19             |

### Operating and Electrical

|  |  |
|--|--|
| Input Voltage                            | 220 to 240 V   |
| Line Frequency                           | 50 to 60 Hz  |
| Initial CLO power consumption            | - W W  |
| Average CLO power consumption            | - W W  |
| Inrush current                           | 22 A   |
| Inrush time                              | 0.280 ms   |
| Power Consumption                        | 45 W   |
| Power Factor (Fraction)                  | 0.9  |
| Connection                               | GST18/3 Wieland/Adels for main +<br>BST14/2 Wieland for DALI |
| Cable                                    | -  |
| Number of products on MCB of 16 A type B | 24   |
| Suitable for random switching            | Yes  |
| Protection class IEC                     | Safety class I   |
| Total harmonic distortion                | 20 %   |

### Wiring

|                |         |
|----------------|---------|
| Connector Type | Wieland |
|----------------|---------|

### Controls and Dimming

|                               |   |
|-------------------------------|---|
| Dimmable                      | Yes   |
| Driver/power unit/transformer | Dali dimming Interact System ready<br>external for central emergency lighting |
| Control interface             | DALI  |
| Constant light output         | No  |
| DALI Standard                 | DALI-2™   |
| Maximum dim level             | 1%  |

### Mechanical and Housing

|   |   |
|---|---|
| Housing Material  | Steel                                     |
| Reflector material  | Polycarbonate                             |
| Optic material  | Polycarbonate                             |
| Optical cover material                                    | Polycarbonate                             |
| Fixation material   | Stainless steel                           |
| Housing Color   | White                                     |
| Optical cover finish                                      | Micro-lens optic                          |
| Overall length  | 597 mm                                    |
| Overall width   | 597 mm                                    |
| Overall height  | 60 mm                                     |
| Dimensions (Height x Width x Depth)                       | 60 x 597 x 597 mm                         |
| Compatible ceiling or ceiling installation accessory type | Plaster ceiling version                   |
| Ingress protection code                                   | IP20/40 [Finger-protected;Wire-protected] |

|                              |                       |
|------------------------------|-----------------------|
| Mech. impact protection code | IK02 [0.2 J standard] |
| Net Weight (Piece)           | 5.080 kg              |

### Emergency Operation

|                    |  |
|--------------------|--|
| Central Emergency  | Yes                                    |
| Emergency lighting | DC operated central emergency lighting |

### Approval and Application

|   |  |
|---|--|
| Glow-wire test  | Temperature 650 °C, duration 30 s              |
| Flammability mark   | For mounting on normally flammable surfaces    |
| CE mark   | Yes  |
| ENEC mark   | ENEC mark                                      |
| Photobiological risk  | Photobiological risk group 0 @200mm to EN62778 |
| EU RoHS compliant   | Yes  |
| Performance ambient temperature Tq                                | 25 °C  |
| Flickering value (PstLM) - Flickering value as 1 per EN 61000-3-3 |  |
| Stroboscopic effect visibility measure (SVM)                      | 0.4  |
| Ambient temperature range   | +10 to +40 °C                                  |

### Initial Performance (IEC Compliant)

|  |                      |
|--|----------------------|
| Luminous flux tolerance                                | +/-10%               |
| Initial chromaticity                                   | (0.38, 0.37) SDCM ≤3 |
| Power consumption tolerance                            | +/-10%               |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤3               |

### Over Time Performance (IEC Compliant)

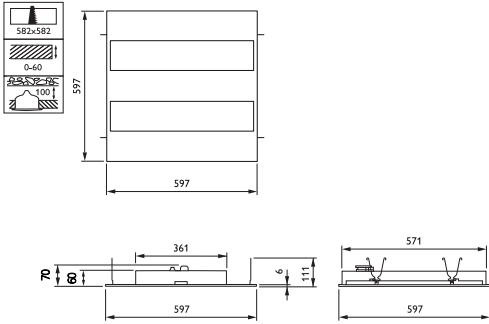
|  |        |
|--|--------|
| Driver failure rate at 5000 h  | 0.01 % |
| Control gear failure rate at median useful life 50000 h              | 5 %    |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h  | L80    |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L60    |

### Product Data

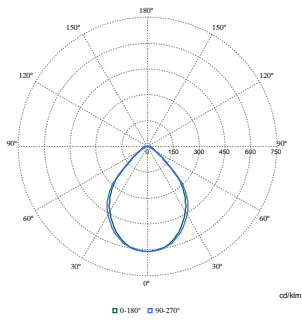
|                                 |  |
|---------------------------------|--|
| Order product name              | RC340B 42S/930 DEIA W60L60 PCV<br>MLO W3W2 |
| Full product name               | RC340B 42S/930 DEIA W60L60 PCV<br>MLO W3W2 |
| Full product code               | 871951410287300                            |
| Order code                      | 10287300                                   |
| Material Nr. (12NC)             | 910925867025                               |
| Numerator - Quantity Per Pack   | 1  |
| EAN/UPC - Product/Case          | 8719514102873                              |
| Numerator - Packs per outer box | 1  |
| EAN/UPC - Case                  | 8719514102873                              |
| Product family code             | RC340B [FLEXBLEND RECESSED, module 600]    |

# FlexBlend Recessed

## Dimensional drawing



## Photometric data



Polar Normal (separate) - RC340BI - 910925867025

