

# PowerBalance RC600B

## RC600B LED30S/840 PSD W30L120 CAU

PowerBalance RC600B, 129.17 lm/W, 840 neutral white, DALI

When it comes to lighting an office space with LED luminaires, people are willing to invest in sustainability, but only at reasonable cost. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. PowerBalance is an attractively priced LED luminaire specially developed to meet all office requirements. It consumes significantly less energy while offering longer life of the light source, resulting in lower operational cost compared to traditional luminaires.

### Product data

| General Information | |
|---|---|
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Light source engine type** | LED |
| **Service tag** | Yes |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **Flammability mark** | - |
| **CE mark** | CE mark |
| **ENEC mark** | ENEC mark |
| **Warranty period** | 3 years |
| **EU RoHS compliant** | No |

| Light Technical | |
|---|---|
| **Luminous Flux** | 3,100 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 129.17 lm/W |
| **Color rendering index (CRI)** | >80 |
| **Beam angle of light source** | - degree(s) |
| **Light source color** | 840 neutral white |
| **Optic type** | Beam angle 100° |
| **Optical cover type** | Opal |
| **Luminaire light beam spread** | 120° |

| Operating and Electrical | |
|---|---|
| **Input Voltage** | 220/240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 14.7 A |
| **Inrush time** | 250 ms |
| **Power Consumption** | 24 W |

# PowerBalance RC600B

| | |
|---|---|
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Internal connector |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 38 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -20 to +40 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | - |
| **Control interface** | DALI |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Metal |
| **Reflector material** | - |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | Steel |
| **Housing Color** | White |
| **Optical cover finish** | Opal |
| **Overall length** | 297 mm |
| **Overall width** | 1,197 mm |
| **Overall height** | 69.7 mm |
| **Dimensions (Height x Width x Depth)** | 70 x 1197 x 297 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP20 [Finger-protected] |
| **Mech. impact protection code** | IK03 [0.3 J] |
| **Protection class IEC** | Safety class I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | SDCM<4 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Median useful life L70B50** | 50,000 hour(s) |

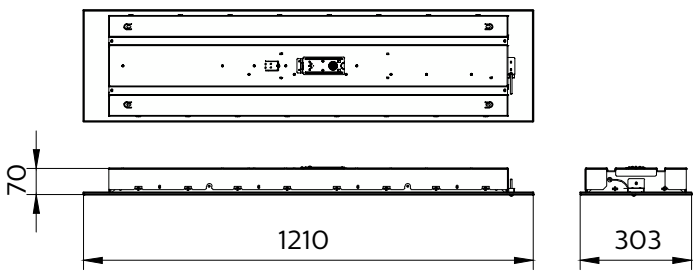
## Application Conditions

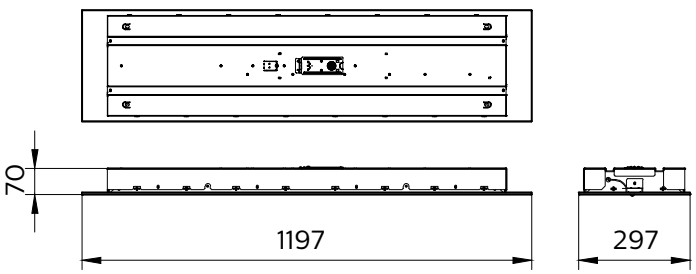
| | |
|---|---|
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | RC600B LED30S/840 PSD W30L120 CAU |
| **Full product name** | RC600B LED30S/840 PSD W30L120 CAU |
| **Full product code** | 911401800397 |
| **Order code** | 911401800397 |
| **Material Nr. (12NC)** | 911401800397 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 2 |

## Dimensional drawing



# PowerBalance RC600B

© 2023 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.