# Create comfort and satisfaction for your office

## PowerBalance G4

PowerBalance G4 (RC650 range) is a complete office lighting family which creates a modern, flexible, and comfortable environment that fosters creativity and innovation. It provides multiple control options (Interact office, Interact pro, POE) to make your office energy efficient and easy to manage.

### Benefits

- Nice and creative outlook design to fit different office application environments
- Multiple control interfaces to fit high end office lighting solutions
- High lm/w to offer better energy saving

### Features

- High energy efficacy at 136lm/w
- CRI90- Conformity to WELL
- Multiple control interface available

### Application

- Office lighting

## Specifications

| | |
|---|---|
| **Ceiling type** | T-bar ceiling |
| **Mains Voltage** | 220-240V/ 50-60Hz |

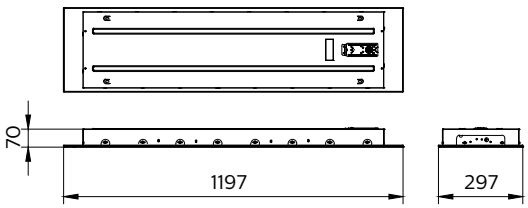
| | |
|---|---|
| **Dimming** | PSU: non-dimmable |
| | PSD: Dimmable via Dali-broadcasting |
| | WIA: Wireless control, compatible with Interact |
| | SIA: Wireless control, compatible with Interact with SNS210 sensor |
| **Integrated sensors** | SNS210 |

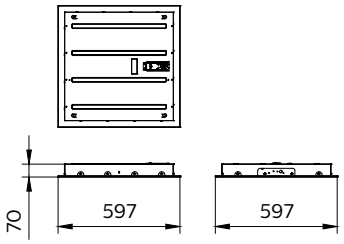
# PowerBalance G4

| | |
|---|---|
| **Material** | Housing: metal sheet |
| **Main color of the luminaire** | White |
| **Lumen maintenance at median useful life 50.000h** | L70B50 |

| | |
|---|---|
| **Color Rendering index - CRI** | 840, 865, 940, 965 |
| **Risk Group** | RG1 |
| **Ingress protection** | IP20 |
| **UGR** | 16 |
| **Installation** | Recessed |

## Dimensional drawing



# PowerBalance G4

| General Information | |
|---|---|
| Driver included | Yes |
| Number of gear units | 1 unit |
| Service tag | Yes |
| **Light Technical** | |
| Beam angle of light source | 120 degree(s) |
| Optic type | Reflector |
| **Operating and Electrical** | |
| Line Frequency | 50 or 60 Hz |
| Suitable for random switching | No |
| **Mechanical and Housing** | |
| Optical cover type | Polycarbonate |
| Housing Color | White |
| Mech. impact protection code | IK03 |
| Ingress protection code | IP20 |
| **Approval and Application** | |
| Ambient temperature range | -20 to +40 °C |
| CE mark | Yes |
| ENEC mark | - |
| Flammability mark | For mounting on normally flammable surfaces |
| Glow-wire test | Temperature 650 °C, duration 30 s |
| **Initial Performance (IEC Compliant)** | |
| Initial chromaticity | SDCM<3 |
| Luminous flux tolerance | +/-10% |
| **Over Time Performance (IEC Compliant)** | |
| Median useful life L80B50 | 50,000 hour(s) |

## Light Technical

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|---|---|---|---|---|---|
| 911401548861 | RC650B LED40S865 PSU W30L120 | 6500 K | >80 | 142.9 lm/W | 4,100 lm |
| 911401549061 | RC650B LED40S840 PSU W30L120 | 4000 K | >80 | 142.9 lm/W | 4,100 lm |
| 911401549161 | RC650B LED40S840 PSD W30L120 | 4000 K | >80 | 140.4 lm/W | 4,100 lm |
| 911401556761 | RC650B LED40S940 PSD W30L120 | 4000 K | >90 | 135.3 lm/W | 3,950 lm |
| 911401557961 | RC650B LED40S9 TWH W30L120 | - | >90 | 131.7 lm/W | 3,950 lm |
| 911401558361 | RC650B LED40S940 PSD W30L120 CAU | 4000 K | >90 | 135.3 lm/W | 3,950 lm |
| 911401548461 | RC650B LED40S865 PSU W60L60 | 6500 K | >80 | 142.9 lm/W | 4,100 lm |
| 911401548661 | RC650B LED40S840 PSU W60L60 | 4000 K | >80 | 142.9 lm/W | 4,100 lm |
| 911401548761 | RC650B LED40S840 PSD W60L60 | 4000 K | >80 | 140.4 lm/W | 4,100 lm |
| 911401549761 | RC650B LED40S840 PSU W60L60 TWN | 4000 K | >80 | 138.7 lm/W | 4,855 lm |
| 911401554061 | RC650B LED40S8 TWH W60L60 | - | >80 | 136.7 lm/W | 4,100 lm |
| 911401557861 | RC650B LED40S9 TWH W60L60 | - | >90 | 131.7 lm/W | 3,950 lm |
| 911401558161 | RC650B LED40S940 PSD W60L60 CAU | 4000 K | >90 | 135.3 lm/W | 3,950 lm |
| 911401580161 | RC650B LED40S965 PSD W60L60 | 6500 K | >90 | 135.3 lm/W | 3,950 lm |

## Operating and Electrical

| Order Code | Full Product Name | Protection class IEC | Input Voltage | Power Consumption |
|---|---|---|---|---|
| 911401548861 | RC650B LED40S865 PSU W30L120 | Safety class I | 220 to 240 V | 28.7 W |
| 911401549061 | RC650B LED40S840 PSU W30L120 | Safety class I | 220 to 240 V | 28.7 W |
| 911401549161 | RC650B LED40S840 PSD W30L120 | Safety class I | 220 to 240 V | 29.2 W |
| 911401556761 | RC650B LED40S940 PSD W30L120 | Safety class I | 220 to 240 V | 29.2 W |

| Order Code | Full Product Name | Protection class IEC | Input Voltage | Power Consumption |
|---|---|---|---|---|
| 911401557961 | RC650B LED40S9 TWH W30L120 | Safety class II | 220 to 240 V | 30 W |
| 911401558361 | RC650B LED40S940 PSD W30L120 CAU | Safety class I | 220 to 240 V | 29.2 W |
| 911401548461 | RC650B LED40S865 PSU W60L60 | Safety class I | 220 to 240 V | 28.7 W |
| 911401548661 | RC650B LED40S840 PSU W60L60 | Safety class I | 220 to 240 V | 28.7 W |

# PowerBalance G4

| Order Code | Full Product Name | Protection class IEC | Input Voltage | Power Consumption |
|---|---|---|---|---|
| 911401548761 | RC650B LED40S840 PSD W60L60 | Safety class I | 220 to 240 V | 29.2 W |
| 911401549761 | RC650B LED40S840 PSU W60L60 TWN | Safety class I | 100 to 277 V | 35 W |
| 911401554061 | RC650B LED40S8 TWH W60L60 | Safety class II | 220 to 240 V | 30 W |
| 911401557861 | RC650B LED40S9 TWH W60L60 | Safety class II | 220 to 240 V | 30 W |
| 911401558161 | RC650B LED40S940 PSD W60L60 CAU | Safety class I | 220 to 240 V | 29.2 W |
| 911401580161 | RC650B LED40S965 PSD W60L60 | Safety class I | 220 to 240 V | 29.2 W |

## Controls and Dimming

| Order Code | Full Product Name | Dimmable | Maximum dim level |
|---|---|---|---|
| 911401548861 | RC650B LED40S865 PSU W30L120 | No | Not applicable |
| 911401549061 | RC650B LED40S840 PSU W30L120 | No | Not applicable |
| 911401549161 | RC650B LED40S840 PSD W30L120 | Yes | Programmable |
| 911401556761 | RC650B LED40S940 PSD W30L120 | Yes | Programmable |
| 911401557961 | RC650B LED40S9 TWH W30L120 | Yes | 1% |
| 911401558361 | RC650B LED40S940 PSD W30L120 CAU | Yes | Programmable |
| 911401548461 | RC650B LED40S865 PSU W60L60 | No | Not applicable |
| 911401548661 | RC650B LED40S840 PSU W60L60 | No | Not applicable |
| 911401548761 | RC650B LED40S840 PSD W60L60 | Yes | Programmable |
| 911401549761 | RC650B LED40S840 PSU W60L60 TWN | No | Not applicable |
| 911401554061 | RC650B LED40S8 TWH W60L60 | Yes | 1% |
| 911401557861 | RC650B LED40S9 TWH W60L60 | Yes | 1% |
| 911401558161 | RC650B LED40S940 PSD W60L60 CAU | Yes | Programmable |
| 911401580161 | RC650B LED40S965 PSD W60L60 | Yes | Programmable |

## Over Time Performance (IEC Compliant)

| Order Code | Full Product Name | Median useful life L90B50 |
|---|---|---|
| 911401548861 | RC650B LED40S865 PSU W30L120 | 37,045 hour(s) |
| 911401549061 | RC650B LED40S840 PSU W30L120 | 37,045 hour(s) |
| 911401549161 | RC650B LED40S840 PSD W30L120 | 33,817 hour(s) |
| 911401556761 | RC650B LED40S940 PSD W30L120 | 33,817 hour(s) |
| 911401557961 | RC650B LED40S9 TWH W30L120 | 33,817 hour(s) |
| 911401558361 | RC650B LED40S940 PSD W30L120 CAU | 33,817 hour(s) |
| 911401548461 | RC650B LED40S865 PSU W60L60 | 37,045 hour(s) |
| 911401548661 | RC650B LED40S840 PSU W60L60 | 37,045 hour(s) |
| 911401548761 | RC650B LED40S840 PSD W60L60 | 33,817 hour(s) |
| 911401549761 | RC650B LED40S840 PSU W60L60 TWN | 37,045 hour(s) |
| 911401554061 | RC650B LED40S8 TWH W60L60 | 33,817 hour(s) |
| 911401557861 | RC650B LED40S9 TWH W60L60 | 33,817 hour(s) |
| 911401558161 | RC650B LED40S940 PSD W60L60 CAU | 33,817 hour(s) |
| 911401580161 | RC650B LED40S965 PSD W60L60 | 33,817 hour(s) |

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