



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 |

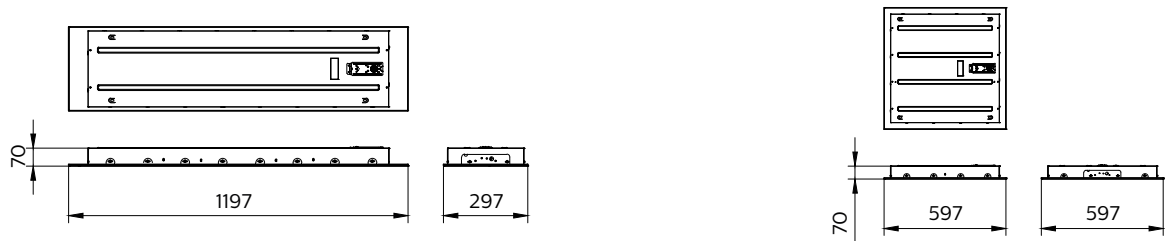
| | |
|--------------------|--|
| Dimming | PSU: non-dimmable |
| | PSD: Dimmable via Dali-broadcasting |
| | WIA: Wireless control, compatible with Interact |
| | SIA: Wireless control, compatible with Interact with SNS210 sensor |
| Integrated sensors | SNS210 |

PowerBalance G4

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

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

Dimensional drawing



| 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 | Color rendering | Luminous Efficacy | |
|------------|----------------------------------|------------------------------|-----------------|-------------------|---------------|
| | | (Nom) | index (CRI) | (rated) (Nom) | Luminous Flux |
| 01548861 | RC650B LED40S865 PSU W30L120 | 6500 K | >80 | 142.9 lm/W | 4,100 lm |
| 01549061 | RC650B LED40S840 PSU W30L120 | 4000 K | >80 | 142.9 lm/W | 4,100 lm |
| 01549161 | RC650B LED40S840 PSD W30L120 | 4000 K | >80 | 140.4 lm/W | 4,100 lm |
| 01556761 | RC650B LED40S940 PSD W30L120 | 4000 K | >90 | 135.3 lm/W | 3,950 lm |
| 01558361 | RC650B LED40S940 PSD W30L120 CAU | 4000 K | >90 | 135.3 lm/W | 3,950 lm |
| 52127899 | RC650B LED40S865 PSU W60L60 | 6500 K | >80 | 142.9 lm/W | 4,100 lm |
| 72811099 | RC650B LED40S840 PSU W60L60 | 4000 K | >80 | 142.9 lm/W | 4,100 lm |
| 01548761 | RC650B LED40S840 PSD W60L60 | 4000 K | >80 | 140.4 lm/W | 4,100 lm |
| 01549761 | RC650B LED40S840 PSU W60L60 TWN | 4000 K | >80 | 138.7 lm/W | 4,855 lm |
| 01554061 | RC650B LED40S8 TWH W60L60 | - | >80 | 136.7 lm/W | 4,100 lm |
| 01558161 | RC650B LED40S940 PSD W60L60 CAU | 4000 K | >90 | 135.3 lm/W | 3,950 lm |
| 01580161 | RC650B LED40S965 PSD W60L60 | 6500 K | >90 | 135.3 lm/W | 3,950 lm |

Operating and Electrical

| | | Protection class | | Power | |
|------------|----------------------------------|------------------|---------------|-------------|--|
| Order Code | Full Product Name | IEC | Input Voltage | Consumption | |
| 01548861 | RC650B LED40S865 PSU W30L120 | Safety class I | 220 to 240 V | 28.7 W | |
| 01549061 | RC650B LED40S840 PSU W30L120 | Safety class I | 220 to 240 V | 28.7 W | |
| 01549161 | RC650B LED40S840 PSD W30L120 | Safety class I | 220 to 240 V | 29.2 W | |
| 01556761 | RC650B LED40S940 PSD W30L120 | Safety class I | 220 to 240 V | 29.2 W | |
| 01558361 | RC650B LED40S940 PSD W30L120 CAU | Safety class I | 220 to 240 V | 29.2 W | |
| 52127899 | RC650B LED40S865 PSU W60L60 | Safety class I | 220 to 240 V | 28.7 W | |
| | | Protection class | | Power | |
| Order Code | Full Product Name | IEC | Input Voltage | Consumption | |
| 72811099 | RC650B LED40S840 PSU W60L60 | Safety class I | 220 to 240 V | 28.7 W | |
| 01548761 | RC650B LED40S840 PSD W60L60 | Safety class I | 220 to 240 V | 29.2 W | |
| 01549761 | RC650B LED40S840 PSU W60L60 TWN | Safety class I | 100 to 277 V | 35 W | |
| 01554061 | RC650B LED40S8 TWH W60L60 | Safety class II | 220 to 240 V | 30 W | |
| 01558161 | RC650B LED40S940 PSD W60L60 CAU | Safety class I | 220 to 240 V | 29.2 W | |
| 01580161 | 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 | Order Code | Full Product Name | Dimmable | Maximum dim level |
|------------|----------------------------------|----------|-------------------|------------|---------------------------------|----------|-------------------|
| 01548861 | RC650B LED40S865 PSU W30L120 | No | Not applicable | 72811099 | RC650B LED40S840 PSU W60L60 | No | Not applicable |
| 01549061 | RC650B LED40S840 PSU W30L120 | No | Not applicable | 01548761 | RC650B LED40S840 PSD W60L60 | Yes | Programmable |
| 01549161 | RC650B LED40S840 PSD W30L120 | Yes | Programmable | 01549761 | RC650B LED40S840 PSU W60L60 TWN | No | Not applicable |
| 01556761 | RC650B LED40S940 PSD W30L120 | Yes | Programmable | 01554061 | RC650B LED40S8 TWH W60L60 | Yes | 1% |
| 01558361 | RC650B LED40S940 PSD W30L120 CAU | Yes | Programmable | 01558161 | RC650B LED40S940 PSD W60L60 CAU | Yes | Programmable |
| 52127899 | RC650B LED40S865 PSU W60L60 | No | Not applicable | 01580161 | RC650B LED40S965 PSD W60L60 | Yes | Programmable |

Over Time Performance (IEC Compliant)

| Order Code | Full Product Name | Median useful life L90B50 | Order Code | Full Product Name | Median useful life L90B50 |
|------------|----------------------------------|---------------------------|------------|---------------------------------|---------------------------|
| 01548861 | RC650B LED40S865 PSU W30L120 | 37,045 hour(s) | 72811099 | RC650B LED40S840 PSU W60L60 | 37,045 hour(s) |
| 01549061 | RC650B LED40S840 PSU W30L120 | 37,045 hour(s) | 01548761 | RC650B LED40S840 PSD W60L60 | 33,817 hour(s) |
| 01549161 | RC650B LED40S840 PSD W30L120 | 33,817 hour(s) | 01549761 | RC650B LED40S840 PSU W60L60 TWN | 37,045 hour(s) |
| 01556761 | RC650B LED40S940 PSD W30L120 | 33,817 hour(s) | 01554061 | RC650B LED40S8 TWH W60L60 | 33,817 hour(s) |
| 01558361 | RC650B LED40S940 PSD W30L120 CAU | 33,817 hour(s) | 01558161 | RC650B LED40S940 PSD W60L60 CAU | 33,817 hour(s) |
| 52127899 | RC650B LED40S865 PSU W60L60 | 37,045 hour(s) | 01580161 | RC650B LED40S965 PSD W60L60 | 33,817 hour(s) |

