



# 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              |

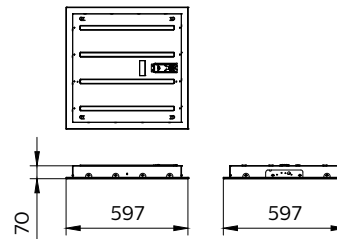
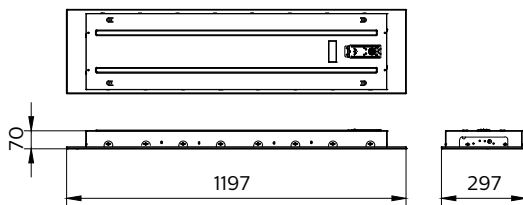
|                             |                    |
|-----------------------------|--------------------|
| Color Rendering index - CRI | 840, 865, 940, 965 |
| Risk Group                  | RG1                |
| Ingress protection          | IP20               |
| UGR                         | 16 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

## Versions



PowerBalance G4

## 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 (Nom) | Color rendering index (CRI) | Luminous Efficacy (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      |
| 99457999   | RC650B LED40S965 PSD W60L60      | 6500 K                             | >90                         | 135.3 lm/W                      | 3,950 lm      |

## Operating and Electrical

| Order Code | Full Product Name                | Protection class |               | Power       |     | Order Code | Full Product Name               | Protection class |              | Power  |  |
|------------|----------------------------------|------------------|---------------|-------------|-----|------------|---------------------------------|------------------|--------------|--------|--|
|            |                                  | IEC              | Input Voltage | Consumption | IEC |            |                                 | Input Voltage    | Consumption  |        |  |
| 01548861   | RC650B LED40S865 PSU W30L120     | Safety class I   | 220 to 240 V  | 28.7 W      |     | 72811099   | RC650B LED40S840 PSU W60L60     | 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      |     | 01548761   | RC650B LED40S840 PSD W60L60     | Safety class I   | 220 to 240 V | 29.2 W |  |
| 01549161   | RC650B LED40S840 PSD W30L120     | 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   |  |
| 01556761   | RC650B LED40S940 PSD W30L120     | Safety class I   | 220 to 240 V  | 29.2 W      |     | 01554061   | RC650B LED40S8 TWH W60L60       | Safety class II  | 220 to 240 V | 30 W   |  |
| 01558361   | RC650B LED40S940 PSD W30L120 CAU | Safety class I   | 220 to 240 V  | 29.2 W      |     | 01558161   | RC650B LED40S940 PSD W60L60 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      |     | 99457999   | 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    | 99457999   | 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)            | 99457999   | RC650B LED40S965 PSD W60L60     | 33,817 hour(s)            |

