



**The most affordable  
LED panel delivering  
comfortable light with  
excellent uniformity.  
Slimmer than its  
predecessor, it is  
durable, energy  
efficient and with 3  
years warranty**

### **SmartBright Direct Panel G2**

The new Philips Smartbright Direct panel offers exceptional value. It is Perfect for your everyday ceiling lighting installations. It is available in 2 standard sizes and 2 different CCT options to suit your need.

#### **Benefits**

- 30K hrs, 3 year warranty
- Flicker Free – Ripple  $\leq 5\%$
- CRI 80

# SmartBright Direct Panel G2

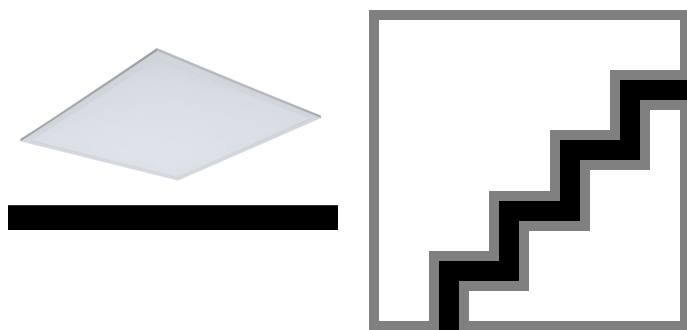
## Features

- 30K hrs, 3 years warranty
- Suitable for different mounting applications: Recessed, PCV, Suspension
- CRI 80
- SDCM  $\leq 5$
- Surge protection: 1KV/0.5KV

## Application

- Offices
- Hospitality
- Fashion

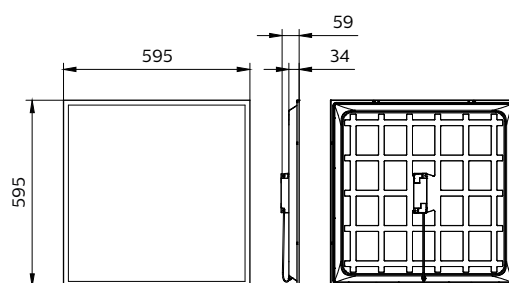
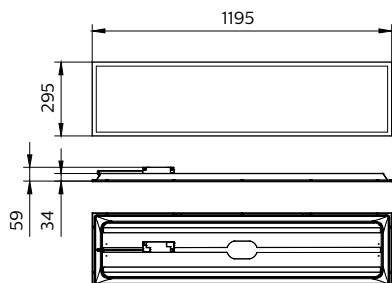
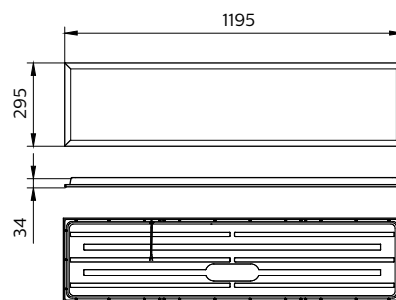
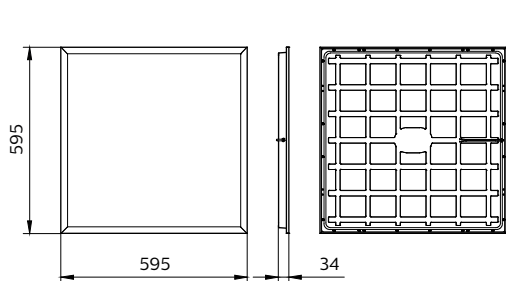
## Versions



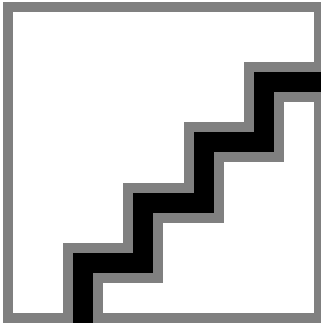
Smart Bright direct Panel RC048B

RC048 W60L60 front

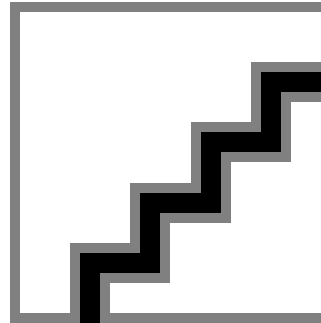
## Dimensional drawing



## Product details



RC048 W30L120 back



RC048 W60L60 back

| General Information                 |                 |
|-------------------------------------|-----------------|
| ENEC mark                           | -               |
| Operating and Electrical            |                 |
| Line Frequency                      | 50 or 60 Hz     |
| Controls and Dimming                |                 |
| Dimmable                            | No              |
| Approval and Application            |                 |
| Protection class IEC                | Safety class II |
| Mech. impact protection code        | IK02            |
| Ingress protection code             | IP20            |
| Initial Performance (IEC Compliant) |                 |
| Luminous flux tolerance             | +/-10%          |

## General Information

| Order Code   | Full Product Name                       | Driver  |          | Flammability mark                           | Glow-wire test                    | Light source replaceable | Number of gear units |
|--------------|-----------------------------------------|---------|----------|---------------------------------------------|-----------------------------------|--------------------------|----------------------|
|              |                                         | CE mark | included |                                             |                                   |                          |                      |
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM     | CE mark | Yes      | -                                           | Temperature 650 °C, duration 30 s | No                       | 1 unit               |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM     | CE mark | Yes      | -                                           | Temperature 650 °C, duration 30 s | No                       | 1 unit               |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM    | CE mark | Yes      | -                                           | Temperature 650 °C, duration 30 s | No                       | 1 unit               |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM    | CE mark | Yes      | -                                           | Temperature 650 °C, duration 30 s | No                       | 1 unit               |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV  | CE mark | -        | For mounting on normally flammable surfaces | -                                 | -                        | -                    |
| 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM  | -       | -        | For mounting on normally flammable surfaces | -                                 | -                        | -                    |
| 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV  | CE mark | -        | For mounting on normally flammable surfaces | -                                 | -                        | -                    |
| 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV | CE mark | -        | For mounting on normally flammable surfaces | -                                 | -                        | -                    |
| 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR GM | -       | -        | For mounting on normally flammable surfaces | -                                 | -                        | -                    |

## Light Technical

| Order Code   | Full Product Name                       | Beam angle of light source | Correlated Color Temperature (Nom) | Optical cover type                | Color rendering | Luminous Efficacy | Luminous Flux | Optic type      |
|--------------|-----------------------------------------|----------------------------|------------------------------------|-----------------------------------|-----------------|-------------------|---------------|-----------------|
|              |                                         |                            |                                    |                                   | index (CRI)     | (rated) (Nom)     |               |                 |
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM     | 120 degree(s)              | 4000 K                             | Polystyrene bowl/ cover prismatic | >80             | 88 lm/W           | 3,200 lumen   | -               |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM     | 120 degree(s)              | 6500 K                             | Polystyrene bowl/ cover prismatic | >80             | 88 lm/W           | 3,200 lumen   | -               |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM    | 120 degree(s)              | 4000 K                             | Opal                              | ≥80             | 88 lm/W           | 3,200 lumen   | Beam angle 120° |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM    | 120 degree(s)              | 6500 K                             | Opal                              | ≥80             | 88 lm/W           | 3,200 lumen   | Beam angle 120° |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV  | -                          | 6500 K                             | Acrylate                          | >80             | 95 lm/W           | 3,800 lumen   | -               |
| 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM  | -                          | 6500 K                             | Acrylate                          | >80             | 88 lm/W           | 3,200 lumen   | -               |
| 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV  | -                          | 4000 K                             | Acrylate                          | >80             | 95 lm/W           | 3,800 lumen   | -               |
| 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV | -                          | 6500 K                             | Acrylate                          | >80             | 95 lm/W           | 3,800 lumen   | -               |
| 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR GM | -                          | 6500 K                             | Acrylate                          | >80             | 88 lm/W           | 3,200 lumen   | -               |

## Operating and Electrical

| Order Code   | Full Product Name                      | Input Voltage | Power Consumption | Order Code   | Full Product Name                       | Input Voltage | Power Consumption |
|--------------|----------------------------------------|---------------|-------------------|--------------|-----------------------------------------|---------------|-------------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM    | 230 to 240 V  | 36 W              | 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM  | 220 to 240 V  | 36 W              |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM    | 230 to 240 V  | 36 W              | 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV  | 220 to 240 V  | 40 W              |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM   | 220 to 240 V  | 36 W              | 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV | 220 to 240 V  | 40 W              |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM   | 220 to 240 V  | 36 W              | 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR GM | 220 to 240 V  | 36 W              |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV | 220 to 240 V  | 40 W              |              |                                         |               |                   |

## Temperature

| Order Code   | Full Product Name                      | Ambient temperature range | Order Code   | Full Product Name                       | Ambient temperature range |
|--------------|----------------------------------------|---------------------------|--------------|-----------------------------------------|---------------------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM    | -10 to +40 °C             | 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM  | -10 to +35 °C             |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM    | -10 to +40 °C             | 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV  | -10 to +35 °C             |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM   | -10 to +40 °C             | 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV | -10 to +35 °C             |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM   | -10 to +40 °C             | 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR GM | -10 to +35 °C             |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV | -10 to +35 °C             |              |                                         |                           |

## Mechanical and Housing

SmartBright Direct Panel G2

| Order Code   | Full Product Name                      | Housing Color  |
|--------------|----------------------------------------|----------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM    | White          |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM    | White          |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM   | White          |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM   | White          |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV | White RAL 9003 |

Initial Performance (IEC Compliant)

| Order Code   | Full Product Name                      | Initial chromaticity |
|--------------|----------------------------------------|----------------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM    | 0.382;0.38           |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM    | 0.312;0.328          |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM   | (0.382;0.38) SDCM≤5  |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM   | (0.312;0.328) SDCM≤5 |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV | (0.31, 0.33) SDCM≤5  |

Over Time Performance (IEC Compliant)

| Order Code   | Full Product Name                         | Driver                    | Median                | Median                |
|--------------|-------------------------------------------|---------------------------|-----------------------|-----------------------|
|              |                                           | failure rate<br>at 5000 h | useful life<br>L80B50 | useful life<br>L90B50 |
| 911401807880 | RC048B LED32S/840 PSU<br>W60L60 NOC GM    | 0.0006 %                  | 22,000<br>hour(s)     | 10,000<br>hour(s)     |
| 911401807980 | RC048B LED32S/865 PSU<br>W60L60 NOC GM    | 0.0006 %                  | 22,000<br>hour(s)     | 10,000<br>hour(s)     |
| 911401837680 | RC048B LED32S/840 PSU<br>W30L120 NOC GM   | 0.0006 %                  | 22,000<br>hour(s)     | 10,000<br>hour(s)     |
| 911401837780 | RC048B LED32S/865 PSU<br>W30L120 NOC GM   | 0.0006 %                  | 22,000<br>hour(s)     | 10,000<br>hour(s)     |
| 911401870684 | RC048B LED38S/865 PSU<br>W60L60 2IN1W PCV | -                         | -                     | -                     |

Application Conditions

| Order Code   | Full Product Name                      | Maximum dim level |
|--------------|----------------------------------------|-------------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM    | Not applicable    |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM    | Not applicable    |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM   | Not applicable    |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM   | Not applicable    |
| 911401870684 | RC048B LED38S/865 PSU W60L60 2IN1W PCV | -                 |

| Order Code   | Full Product Name                       | Housing Color  |
|--------------|-----------------------------------------|----------------|
| 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM  | White RAL 9003 |
| 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV  | White RAL 9003 |
| 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV | White RAL 9003 |
| 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR GM | White RAL 9003 |

| Order Code   | Full Product Name                          | Initial chromaticity |
|--------------|--------------------------------------------|----------------------|
| 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM     | (0.31, 0.33) SDCM≤5  |
| 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV     | (0.38, 0.38) SDCM≤5  |
| 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV    | (0.31, 0.33) SDCM≤5  |
| 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR<br>GM | (0.31, 0.33) SDCM≤5  |

| Order Code   | Full Product Name                          | Driver                    | Median                | Median                |
|--------------|--------------------------------------------|---------------------------|-----------------------|-----------------------|
|              |                                            | failure rate<br>at 5000 h | useful life<br>L80B50 | useful life<br>L90B50 |
| 911401870980 | RC048B LED32S/865 PSU<br>W60L60 NOC MR GM  | -                         | -                     | -                     |
| 911401874284 | RC048B LED38S/840 PSU<br>W60L60 2IN1W PCV  | -                         | -                     | -                     |
| 911401870784 | RC048B LED38S/865 PSU<br>W30L120 2IN1W PCV | -                         | -                     | -                     |
| 911401871180 | RC048B LED32S/865 PSU<br>W30L120 NOC MR GM | -                         | -                     | -                     |

| Order Code   | Full Product Name                       | Maximum dim level |
|--------------|-----------------------------------------|-------------------|
| 911401870980 | RC048B LED32S/865 PSU W60L60 NOC MR GM  | -                 |
| 911401874284 | RC048B LED38S/840 PSU W60L60 2IN1W PCV  | -                 |
| 911401870784 | RC048B LED38S/865 PSU W30L120 2IN1W PCV | -                 |
| 911401871180 | RC048B LED32S/865 PSU W30L120 NOC MR GM | -                 |

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