



# Philips SmartBright Plus Panel: Trusted performance. Everyday.

## SmartBright Plus Panel

The Philips SmartBright Plus panel (RC048B+) range features a selection of popular off-the-shelf LED luminaires that come with Philips high quality levels at a competitive price. Reliable, high energy efficient and affordable, this latest generation of SmartBright Plus LED panel lights are designed for diffuse, comfortable lighting in a wide range of general lighting applications. Our range of SmartBright Plus panel lighting is also available with accessories for easy installation on different types of ceilings – just what you need.

### Benefits

- Philips quality and reliability
- High energy saving
- Diffuse, comfortable light
- Suitable for office working place
- Diverse ceiling installation possible

### Features

- Modern, unobtrusive design
- Two lumen choices 3400 lumen & 4100 lumen for W60L60 & W30L120
- Offer 6000lm for W60L120
- Long lifetime of 50,000 hours @L60
- Energy efficient up to 130 lm/W
- Flicker free, RG0, R9
- Accessories for plaster ceiling, surface mounted and suspension available

# SmartBright Plus Panel

## Application

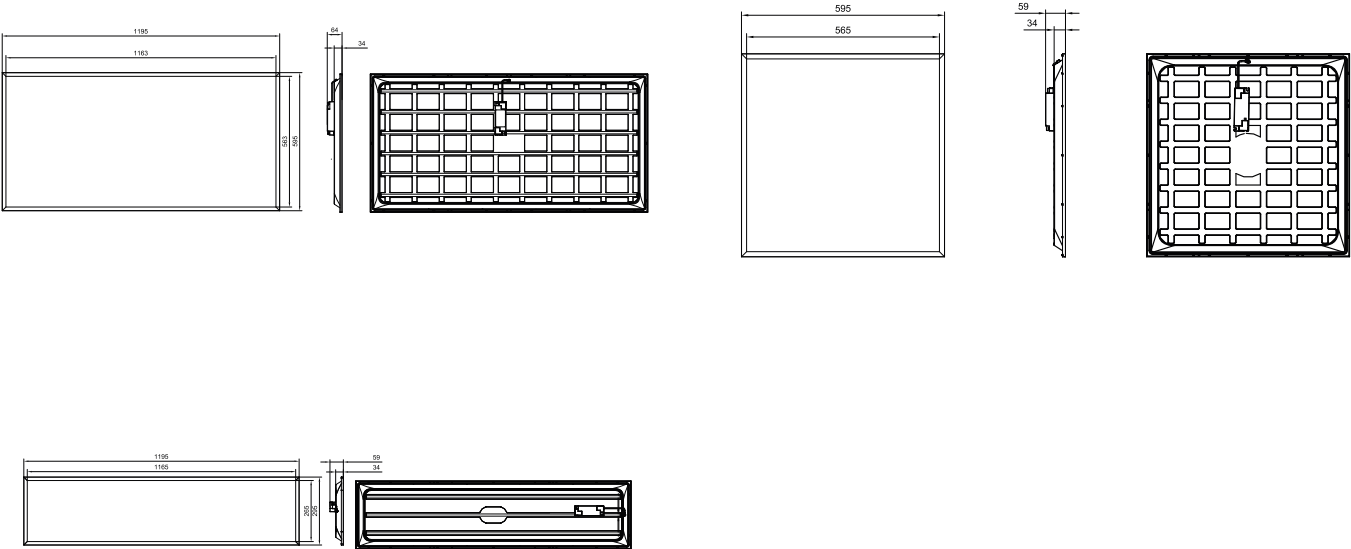
- Offices
- Hospitals and Care Centers
- Retail

## Versions



SmartBright Plus Panel

## Dimensional drawing



# SmartBright Plus Panel

## Product details

SmartBright Plus Panel



SmartBright Plus Panel

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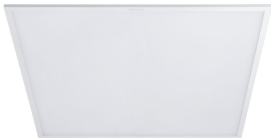
SmartBright Plus Panel



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| General Information                 |                 |
|-------------------------------------|-----------------|
| Gear                                | -               |
| Operating and Electrical            |                 |
| Protection class IEC                | Safety class II |
| Line Frequency                      | 50 or 60 Hz     |
| Controls and Dimming                |                 |
| Dimmable                            | No              |
| Mechanical and Housing              |                 |
| Housing Color                       | White RAL 9003  |
| Mech. impact protection code        | IK02            |
| Approval and Application            |                 |
| CE mark                             | Yes             |
| ENEC mark                           | -               |
| Initial Performance (IEC Compliant) |                 |
| Luminous flux tolerance             | -10% / +10%     |

General Information

| Order Code   | Full Product Name                 | Driver included | Number of gear units |
|--------------|-----------------------------------|-----------------|----------------------|
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | Yes             | 1 unit               |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | -               | -                    |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | -               | -                    |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | -               | -                    |
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | -               | -                    |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | Yes             | 1 unit               |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | -               | -                    |

Light Technical (1/2)

| Order Code   | Full Product Name                 | Beam angle of light source | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|--------------|-----------------------------------|----------------------------|------------------------------------|-----------------------------|---------------------------------|
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | 120 degree(s)              | 4000 K                             | 80                          | 120 lm/W                        |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | -                          | 4000 K                             | >80                         | 130 lm/W                        |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | -                          | 6500 K                             | >80                         | 130 lm/W                        |
| 911401880387 | RC048B+ LED35S/840                | -                          | 4000 K                             | >80                         | 130 lm/W                        |

| Order Code   | Full Product Name                 | Beam angle of light source | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|--------------|-----------------------------------|----------------------------|------------------------------------|-----------------------------|---------------------------------|
|              | PSU W60L60 G2                     |                            |                                    |                             |                                 |
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | -                          | 6500 K                             | >80                         | 130 lm/W                        |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | 120 degree(s)              | 4000 K                             | 80                          | 120 lm/W                        |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | -                          | 6500 K                             | >80                         | 130 lm/W                        |

Light Technical (2/2)

| Order Code   | Full Product Name                 | Luminous Flux | Optic type      |
|--------------|-----------------------------------|---------------|-----------------|
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | 3,400 lm      | Beam angle 120° |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | 3,500 lm      | -               |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | 3,500 lm      | -               |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | 3,500 lm      | -               |

| Order Code   | Full Product Name                 | Luminous Flux | Optic type      |
|--------------|-----------------------------------|---------------|-----------------|
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | 3,500 lm      | -               |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | 6,000 lm      | Beam angle 120° |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | 6,000 lm      | -               |

Operating and Electrical

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| Order Code   | Full Product Name                 | Input Voltage | Power       | Suitable for random switching |
|--------------|-----------------------------------|---------------|-------------|-------------------------------|
|              |                                   |               | Consumption |                               |
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | 220 to 240 V  | 28 W        | Yes                           |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | 220-240 V     | 26.5 W      | -                             |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | 220-240 V     | 26.5 W      | -                             |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | 220-240 V     | 26.5 W      | -                             |

Controls and Dimming

| Order Code   | Full Product Name                 | Maximum dim level |
|--------------|-----------------------------------|-------------------|
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | Not applicable    |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | -                 |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | -                 |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | -                 |

Mechanical and Housing

| Order Code   | Full Product Name                 | Optical cover type | Ingress protection code |
|--------------|-----------------------------------|--------------------|-------------------------|
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | Opal               | IP20                    |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | PS                 | IP20/40                 |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | PS                 | IP20/40                 |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | PS                 | IP20/40                 |

Approval and Application

| Order Code   | Full Product Name                 | Ambient temperature range | Flammability mark                           | Glow-wire test                    |
|--------------|-----------------------------------|---------------------------|---|-----------------------------------|
|              |                                   |                           |   |                                   |
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | -10 to +35 °C             | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | -10 to +40 °C             | -   | -                                 |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | -10 to +40 °C             | -   | -                                 |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | -10 to +40 °C             | -   | -                                 |

Initial Performance (IEC Compliant)

| Order Code   | Full Product Name                 | Input Voltage | Power       | Suitable for random switching |
|--------------|-----------------------------------|---------------|-------------|-------------------------------|
|              |                                   |               | Consumption |                               |
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | 220-240 V     | 26.5 W      | -                             |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | 220 to 240 V  | 50 W        | Yes                           |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | 220-240 V     | 46 W        | -                             |

| Order Code   | Full Product Name                 | Maximum dim level |
|--------------|-----------------------------------|-------------------|
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | -                 |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | Not applicable    |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | -                 |

| Order Code   | Full Product Name                 | Optical cover type | Ingress protection code |
|--------------|-----------------------------------|--------------------|-------------------------|
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | PS                 | IP20/40                 |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | Opal               | IP20                    |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | PS                 | IP20/40                 |

| Order Code   | Full Product Name                 | Ambient temperature range | Flammability mark                           | Glow-wire test                    |
|--------------|-----------------------------------|---------------------------|---|-----------------------------------|
|              |                                   |                           |   |                                   |
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | -10 to +40 °C             | -   | -                                 |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | -10 to +35 °C             | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | -10 to +40 °C             | -   | -                                 |

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| Order Code   | Full Product Name                 | Initial chromaticity |
|--------------|-----------------------------------|----------------------|
| 911401847085 | RC048B+ LED34S/840 PSU W30L120    | (0.38, 0.38) SDCM≤5  |
| 911401880587 | RC048B+ LED35S/840 PSU W30L120 G2 | -                    |
| 911401880687 | RC048B+ LED35S/865 PSU W30L120 G2 | -                    |
| 911401880387 | RC048B+ LED35S/840 PSU W60L60 G2  | -                    |

| Order Code   | Full Product Name                 | Initial chromaticity |
|--------------|-----------------------------------|----------------------|
| 911401880487 | RC048B+ LED35S/865 PSU W60L60 G2  | -                    |
| 911401847285 | RC048B+ LED60S/840 PSU W60L120    | (0.38, 0.38) SDCM≤5  |
| 911401881687 | RC048B+ LED60S/865 PSU W60L120 G2 | -                    |

