



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

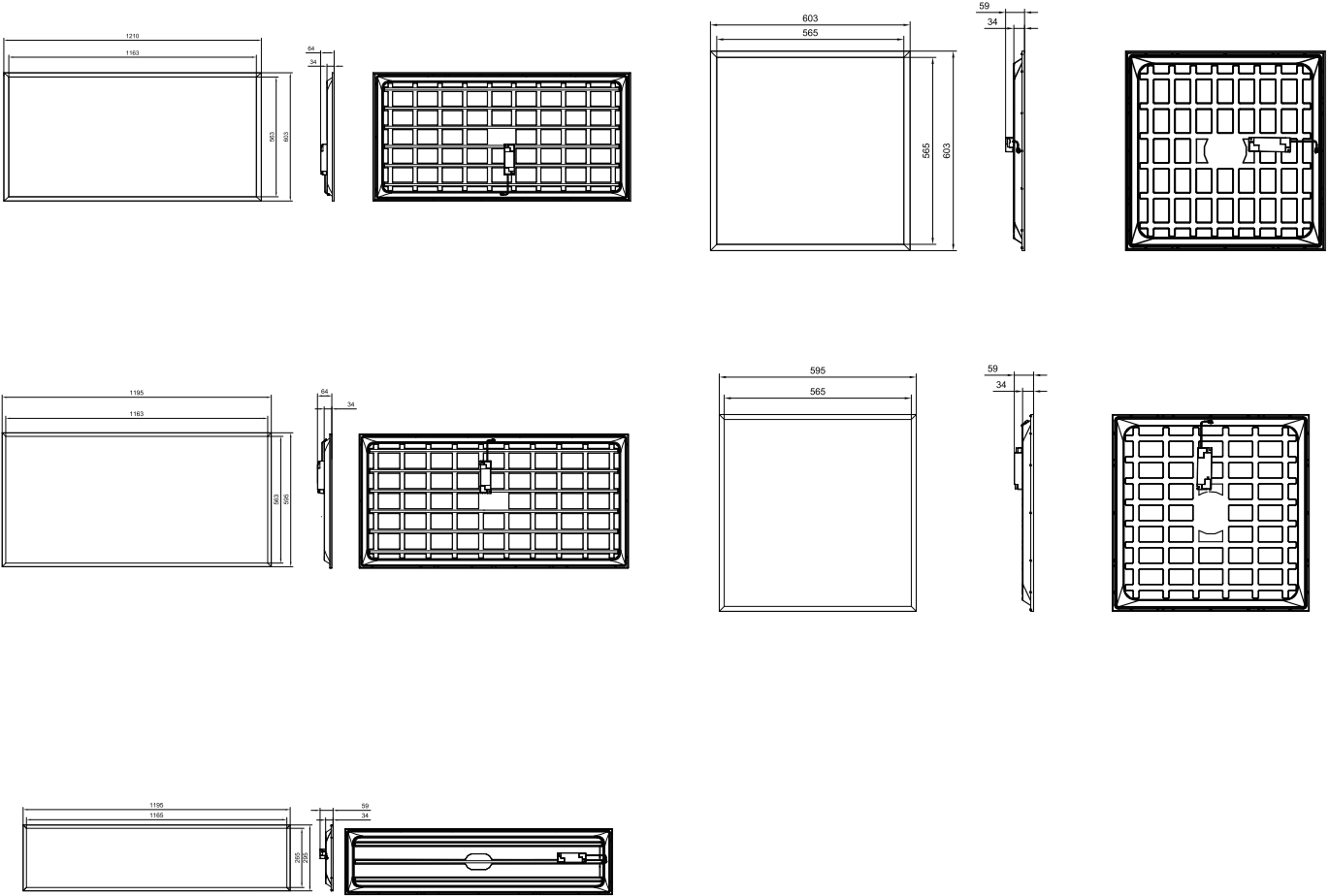
- Modern, unobtrusive design
- Two lumen choices 3400 lumen & 4100 lumen for W60L60 & W30L120
- Offer 6000lm for W60L120
- Long lifetime of 50,000 hours @L60
- Energy efficient up to 130 lm/W
- Flicker free, RG0, R9
- Accessories for plaster ceiling, surface mounted and suspension available

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Application

- Offices
- Hospitals and Care Centers
- Retail

Dimensional drawing



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Product details



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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%

Order Code	Full Product Name	Driver included	Number of gear units
911401880587	RC048B+ LED35S/840 PSU W30L120 G2	-	-
911401880687	RC048B+ LED35S/865 PSU W30L120 G2	-	-
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-	-
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	-	-
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	-	-
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	-	-
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	-	-
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-	-
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	-	-
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	-	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-	-
911401847385	RC048B+ LED60S/865 PSU W60L120	Yes	1 unit
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	-	-
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	-	-
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	-	-
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	-	-

Light Technical (1/2)

SmartBright Plus Panel

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
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
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-	4000 K	>80	130 lm/W
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-	6500 K	>80	130 lm/W
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	-	4000 K	>80	130 lm/W
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	-	6500 K	>80	130 lm/W
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	-	4000 K	>80	130 lm/W
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	-	6500 K	>80	130 lm/W
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-	4000 K	>80	130 lm/W
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-	6500 K	>80	130 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type
911401880587	RC048B+ LED35S/840 PSU W30L120 G2	3,500 lm	-
911401880687	RC048B+ LED35S/865 PSU W30L120 G2	3,500 lm	-
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	4,100 lm	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	4,100 lm	-
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	4,100 lm	-
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	4,100 lm	-
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	3,500 lm	-
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	3,500 lm	-
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	4,100 lm	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	4,100 lm	-

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	-	4000 K	>80	130 lm/W
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	-	6500 K	>80	130 lm/W
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-	4000 K	>80	130 lm/W
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-	6500 K	>80	130 lm/W
911401847385	RC048B+ LED60S/865 PSU W60L120	120 degree(s)	6500 K	80	120 lm/W
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	-	4000 K	>80	130 lm/W
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	-	6500 K	>80	130 lm/W
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	-	4000 K	>80	130 lm/W
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	-	6500 K	>80	130 lm/W

Order Code	Full Product Name	Luminous Flux	Optic type
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	4,100 lm	-
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	4,100 lm	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	4,100 lm	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	4,100 lm	-
911401847385	RC048B+ LED60S/865 PSU W60L120	6,000 lm	Beam angle 120°
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	6,000 lm	-
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	6,000 lm	-
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	6,000 lm	-
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	6,000 lm	-

Operating and Electrical

Order Code	Full Product Name	Input	Power	Suitable for
		Voltage	Consumption	random switching
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	-
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	220-240 V	31.5 W	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	220-240 V	31.5 W	-
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	220-240 V	31.5 W	-
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	220-240 V	31.5 W	-
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	220-240 V	26.5 W	-
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	220-240 V	26.5 W	-
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	220-240 V	31.5 W	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	220-240 V	31.5 W	-

Order Code	Full Product Name	Input	Power	Suitable for
		Voltage	Consumption	random switching
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	220-240 V	31.5 W	-
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	220-240 V	31.5 W	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	220-240 V	31.5 W	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	220-240 V	31.5 W	-
911401847385	RC048B+ LED60S/865 PSU W60L120	220 to 240 V	50 W	Yes
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	220-240 V	46 W	-
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	220-240 V	46 W	-
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	220-240 V	46 W	-
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	220-240 V	46 W	-

Controls and Dimming

Order Code	Full Product Name	Maximum dim level
911401880587	RC048B+ LED35S/840 PSU W30L120 G2	-
911401880687	RC048B+ LED35S/865 PSU W30L120 G2	-
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	-
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	-
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	-
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	-
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-

Order Code	Full Product Name	Maximum dim level
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	-
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-
911401847385	RC048B+ LED60S/865 PSU W60L120	Not applicable
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	-
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	-
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	-
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	-

Mechanical and Housing

Order Code	Full Product Name	Optical	Ingress
		cover type	protection code
911401880587	RC048B+ LED35S/840 PSU W30L120 G2	PS	IP20/40
911401880687	RC048B+ LED35S/865 PSU W30L120 G2	PS	IP20/40
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	PS	IP20/40
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	PS	IP20/40
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	PS	IP20/40
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	PS	IP20/40

Order Code	Full Product Name	Optical	Ingress
		cover type	protection code
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	PS	IP20/40
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	PS	IP20/40
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	PS	IP20/40
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	PS	IP20/40
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	PS	IP20/40
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	PS	IP20/40

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Order Code	Full Product Name	Optical cover type	Ingress protection code
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	PS	IP20/40
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	PS	IP20/40
911401847385	RC048B+ LED60S/865 PSU W60L120	Opal	IP20
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	PS	IP20/40

Order Code	Full Product Name	Optical cover type	Ingress protection code
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	PS	IP20/40
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	PS	IP20/40
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	PS	IP20/40

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Flammability mark	Glow-wire test
911401880587	RC048B+ LED35S/840 PSU W30L120 G2	-10 to +40 °C	-	-
911401880687	RC048B+ LED35S/865 PSU W30L120 G2	-10 to +40 °C	-	-
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-10 to +40 °C	-	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-10 to +40 °C	-	-
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	-10 to +40 °C	-	-
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	-10 to +40 °C	-	-
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	-10 to +40 °C	-	-
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	-10 to +40 °C	-	-
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-10 to +40 °C	-	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-10 to +40 °C	-	-

Order Code	Full Product Name	Ambient temperature range	Flammability mark	Glow-wire test
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	-10 to +40 °C	-	-
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	-10 to +40 °C	-	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-10 to +40 °C	-	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-10 to +40 °C	-	-
911401847385	RC048B+ LED60S/865 PSU W60L120	-10 to +35 °C	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	-10 to +40 °C	-	-
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	-10 to +40 °C	-	-
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	-10 to +40 °C	-	-
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	-10 to +40 °C	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401880587	RC048B+ LED35S/840 PSU W30L120 G2	-
911401880687	RC048B+ LED35S/865 PSU W30L120 G2	-

Order Code	Full Product Name	Initial chromaticity
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-

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Order Code	Full Product Name	Initial chromaticity
911401881387	RC048B+ LED41S/840 PSU W30L120 2IN1W PCV	-
911401881487	RC048B+ LED41S/865 PSU W30L120 2IN1W PCV	-
911401880387	RC048B+ LED35S/840 PSU W60L60 G2	-
911401880487	RC048B+ LED35S/865 PSU W60L60 G2	-
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-
911401881187	RC048B+ LED41S/840 PSU W60L60 2IN1W PCV	-
911401881287	RC048B+ LED41S/865 PSU W60L60 2IN1W PCV	-

Order Code	Full Product Name	Initial chromaticity
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-
911401847385	RC048B+ LED60S/865 PSU W60L120	(0.31, 0.33) SDCM≤5
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	-
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	-
911401881987	RC048B+ LED60S/840 PSU W603L1210 G2	-
911401882087	RC048B+ LED60S/865 PSU W603L1210 G2	-

