PHILIPS Lighting



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
- \cdot Suitable for office working place
- Diverse ceiling installation possible

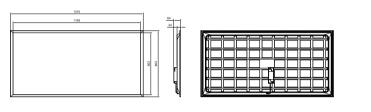
Features

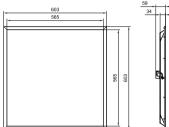
- \cdot Modern, unobtrusive design
- Two lumen choices 3400 lumen & 4100 lumen for W60L60 & W30L120
- Offer 6000lm for W60L120
- Long lifetime of 50,000 hours @L60
- \cdot Energy efficient up to 130 lm/W
- Flicker free, RG0, R9
- $\boldsymbol{\cdot}$ Accessories for plaster ceiling, surface mounted and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

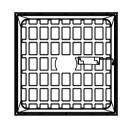
Application

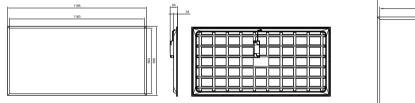
- Offices
- \cdot Hospitals and Care Centers
- \cdot Retail

Dimensional drawing

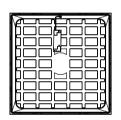


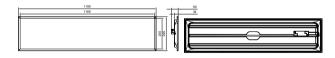












Product details



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 Complian	t)
Luminous flux tolerance	-10% / +10%

General Information

Order Code	Full Product Name	Driver included	Number of gear units
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-	-
911401845785	RC048B+ LED41S/865 PSU W603L603	Yes	1 unit
911401846185	RC048B+ LED41S/865 PSU W60L60	Yes	1 unit
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-	-
911401845885	RC048B+ LED60S/840 PSU W603L1210	Yes	1 unit
911401845985	RC048B+ LED60S/865 PSU W603L1210	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)

		Deem	Convoloted	Calax	Luminaua			Deem	Convolator	Calan	Luminer
		Beam	Correlated	Color	Luminous			Beam	Correlated	Color	Luminous
		angle of	Color	rendering	Efficacy			angle of	Color	rendering	Efficacy
	Full Product	light	Temperature	index	(rated)		Full Product	light	Temperature	index	(rated)
Order Code	Name	source	(Nom)	(CRI)	(Nom)	Order Code	Name	source	(Nom)	(CRI)	(Nom)
911401880987	RC048B+	-	4000 K	>80	130 lm/W	911401845885	RC048B+	120	4000 K	80	120 lm/W
	LED41S/840 PSU						LED60S/840	degree(s)			
	W30L120 G2						PSU W603L1210				
911401881087	RC048B+	-	6500 K	>80	130 lm/W	911401845985	RC048B+	120	6500 K	80	120 lm/W
	LED41S/865 PSU						LED60S/865	degree(s)			
	W30L120 G2						PSU W603L1210				
911401845785	RC048B+	120	6500 K	80	120 lm/W	911401881587	RC048B+	-	4000 K	>80	130 lm/W
	LED41S/865 PSU	degree(s)					LED60S/840				
	W603L603						PSU W60L120				
911401846185	RC048B+	120	6500 K	80	120 lm/W		G2				
	LED41S/865 PSU	degree(s)				911401881687	RC048B+	-	6500 K	>80	130 lm/W
	W60L60						LED60S/865				
911401880787	RC048B+	-	4000 K	>80	130 lm/W		PSU W60L120				
	LED41S/840 PSU						G2				
	W60L60 G2					911401881987	RC048B+	-	4000 K	>80	130 lm/W
911401880887	RC048B+	-	6500 K	>80	130 lm/W		LED60S/840				
	LED41S/865 PSU						PSU W603L1210				
	W60L60 G2						G2				
911401881787	RC048B+	-	4000 K	>80	130 lm/W	911401882087	RC048B+	-	6500 K	>80	130 lm/W
	LED41S/840 PSU						LED60S/865				
	W603L603 G2						PSU W603L1210				
911401881887	RC048B+	-	6500 K	>80	130 lm/W		G2				
	LED41S/865 PSU										
	W603L603 G2										

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	4,100 lm	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	4,100 lm	-
911401845785	RC048B+ LED41S/865 PSU W603L603	4,100 lm	Beam angle 120°
911401846185	RC048B+ LED41S/865 PSU W60L60	4,100 lm	Beam angle 120°
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	4,100 lm	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	4,100 lm	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	4,100 lm	-
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	4,100 lm	-

Order Code	Full Product Name	Luminous Flux	Optic type
911401845885	RC048B+ LED60S/840 PSU W603L1210	6,000 lm	Beam angle
			120°
911401845985	RC048B+ LED60S/865 PSU W603L1210	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	6,000 lm	-
	G2		
911401882087	RC048B+ LED60S/865 PSU W603L1210	6,000 lm	-
	G2		

Operating and Electrical

				Suitable for
			Power	random
Order Code	Full Product Name	Input Voltage	Consumption	switching
911401880987	RC048B+ LED41S/840	220-240 V	31.5 W	-
	PSU W30L120 G2			
911401881087	RC048B+ LED41S/865	220-240 V	31.5 W	-
	PSU W30L120 G2			
911401845785	RC048B+ LED41S/865	220 to 240 V	34 W	Yes
	PSU W603L603			
911401846185	RC048B+ LED41S/865	220 to 240 V	34 W	Yes
	PSU W60L60			
911401880787	RC048B+ LED41S/840	220-240 V	31.5 W	-
	PSU W60L60 G2			
911401880887	RC048B+ LED41S/865	220-240 V	31.5 W	-
	PSU W60L60 G2			
911401881787	RC048B+ LED41S/840	220-240 V	31.5 W	-
	PSU W603L603 G2			

				Suitable for
			Power	random
Order Code	Full Product Name	Input Voltage	Consumption	switching
911401881887	RC048B+ LED41S/865	220-240 V	31.5 W	-
	PSU W603L603 G2			
911401845885	RC048B+ LED60S/840	220 to 240 V	50 W	Yes
	PSU W603L1210			
911401845985	RC048B+ LED60S/865	220 to 240 V	50 W	Yes
	PSU W603L1210			
911401881587	RC048B+ LED60S/840	220-240 V	46 W	-
	PSU W60L120 G2			
911401881687	RC048B+ LED60S/865	220-240 V	46 W	-
	PSU W60L120 G2			
911401881987	RC048B+ LED60S/840	220-240 V	46 W	-
	PSU W603L1210 G2			
911401882087	RC048B+ LED60S/865	220-240 V	46 W	-
	PSU W603L1210 G2			

Controls and Dimming

Order Code	Full Product Name	Maximum dim level
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-
911401845785	RC048B+ LED41S/865 PSU W603L603	Not applicable
911401846185	RC048B+ LED41S/865 PSU W60L60	Not applicable
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-

Order Code	Full Product Name	Maximum dim level
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-
911401845885	RC048B+ LED60S/840 PSU W603L1210	Not applicable
911401845985	RC048B+ LED60S/865 PSU W603L1210	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

			Ingress
		Optical	protection
Order Code	Full Product Name	cover type	code
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	PS	IP20/40
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	PS	IP20/40

			Ingress
		Optical	protection
Order Code	Full Product Name	cover type	code
911401845785	RC048B+ LED41S/865 PSU W603L603	Opal	IP20
911401846185	RC048B+ LED41S/865 PSU W60L60	Opal	IP20

			Ingress
		Optical	protection
Order Code	Full Product Name	cover type	code
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	PS	IP20/40
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	PS	IP20/40
911401881787	RC048B+ LED41S/840 PSU W603L603	PS	IP20/40
	G2		
911401881887	RC048B+ LED41S/865 PSU W603L603	PS	IP20/40
	G2		
911401845885	RC048B+ LED60S/840 PSU W603L1210	Opal	IP20

			Ingress
		Optical	protection
Order Code	Full Product Name	cover type	code
911401845985	RC048B+ LED60S/865 PSU W603L1210	Opal	IP20
911401881587	RC048B+ LED60S/840 PSU W60L120 G2	PS	IP20/40
911401881687	RC048B+ LED60S/865 PSU W60L120 G2	PS	IP20/40
911401881987	RC048B+ LED60S/840 PSU W603L1210	PS	IP20/40
	G2		
911401882087	RC048B+ LED60S/865 PSU W603L1210	PS	IP20/40
	G2		

Approval and Application

		Ambient		
		temperature	Flammability	
Order Code	Full Product Name	range	mark	Glow-wire test
911401880987	RC048B+	-10 to +40 °C	-	-
	LED41S/840 PSU			
	W30L120 G2			
911401881087	RC048B+	-10 to +40 °C	-	-
	LED41S/865 PSU			
	W30L120 G2			
911401845785	RC048B+	-10 to +35 °C	For mounting	Temperature
	LED41S/865 PSU		on normally	650 °C,
	W603L603		flammable	duration 30 s
			surfaces	
911401846185	RC048B+	-10 to +35 °C	For mounting	Temperature
	LED41S/865 PSU		on normally	650 °C,
	W60L60		flammable	duration 30 s
			surfaces	
911401880787	RC048B+	-10 to +40 °C	-	-
	LED41S/840 PSU			
	W60L60 G2			
911401880887	RC048B+	-10 to +40 °C	-	-
	LED41S/865 PSU			
	W60L60 G2			
911401881787	RC048B+	-10 to +40 °C	-	-
	LED41S/840 PSU			
	W603L603 G2			

		Ambient temperature	Flammability	
Order Code	Full Product Name		mark	Glow-wire test
911401881887	RC048B+	-10 to +40 °C	-	-
	LED41S/865 PSU			
	W603L603 G2			
911401845885	RC048B+	-10 to +35 °C	For mounting	Temperature
	LED60S/840 PSU		on normally	650 °C,
	W603L1210		flammable	duration 30 s
			surfaces	
911401845985	RC048B+	-10 to +35 °C	For mounting	Temperature
	LED60S/865 PSU		on normally	650 °C,
	W603L1210		flammable	duration 30 s
			surfaces	
911401881587	RC048B+	-10 to +40 °C	-	-
	LED60S/840 PSU			
	W60L120 G2			
911401881687	RC048B+	-10 to +40 °C	-	-
	LED60S/865 PSU			
	W60L120 G2			
911401881987	RC048B+	-10 to +40 °C	-	-
	LED60S/840 PSU			
	W603L1210 G2			
911401882087	RC048B+	-10 to +40 °C	-	-
	LED60S/865 PSU			
	W603L1210 G2			

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401880987	RC048B+ LED41S/840 PSU W30L120 G2	-
911401881087	RC048B+ LED41S/865 PSU W30L120 G2	-
911401845785	RC048B+ LED41S/865 PSU W603L603	(0.31, 0.33) SDCM≤5
911401846185	RC048B+ LED41S/865 PSU W60L60	(0.31, 0.33) SDCM≤5
911401880787	RC048B+ LED41S/840 PSU W60L60 G2	-
911401880887	RC048B+ LED41S/865 PSU W60L60 G2	-
911401881787	RC048B+ LED41S/840 PSU W603L603 G2	-

Order Code	Full Product Name	Initial chromaticity
911401881887	RC048B+ LED41S/865 PSU W603L603 G2	-
911401845885	RC048B+ LED60S/840 PSU W603L1210	(0.38, 0.38) SDCM≤5
911401845985	RC048B+ LED60S/865 PSU W603L1210	(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	-



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