



PROJECT

TYPE

DATE

ITEM NO.

NOTE

LED FLAT PANEL FOR CLEANROOM

BFPL-IPS2 Series

Cleanroom Panel

DESCRIPTION

The cleanroom LED flat panel combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. This is front cover plate luminaire with IP65 rated, the light source plate and the LED driver can be pulled out and replaced by the handle.

APPLICATION

IP65 panel light for ISO Calss 1-9 cleanroom, Laboratory, hospital, Pharmaceutical factory, offices, schools, retail, and other architectural spaces that demand energy reduction and high quality light.

SPECIFICATION FEATURES

Benefits

- IP65 rated front cover plate
- Cleanroom ISO Class 1-9
- PC diffuser as standard, tempered glass diffuser optional
- Light source and driver replacement support, standard components reduces life cycle costs

Construction

Front cover plate install version, IP65 rated for cleanroom. ISO Class 1-9: tested in accordance with ISO 14644-1.

Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable and flicker-free LED driver. 0-10V continuous dimming comes standard. Supports integrated microwave sensor.



Optics

Uniformity achieved by delivering a comfortable mix of light to working and surrounding surfaces, creating balanced illumination throughout the environment. Occupants can realize a productive and comfortable atmosphere through enhanced light quality and distribution. PC diffuser as standard, tempered glass diffuser optional.

Certifications / Regulatory

cULus listed for wet location. NSF listed for non-food & splash zones. Suitable for ISO Class 1-9 cleanroom.

Warranty

5-year limited warranty. See complete warranty terms for details.

Quick Ship Product

ORDERING INFORMATION

Sample Number: BFPL-22IPS2-50L3-8A3

Series	Length	Lumen Package			
		1'x4'	2'x2'	2'x4'	
BFPL - Backlit LED Flat Panel	14IPS2 - 1'x4'	50L3	50L3	65L3	
	22IPS2 - 2'x2'	- 40/30/25W, 5200/3900/3250lm	- 40/30/25W, 5200/3900/3250lm	- 50/40/30W, 6500/5200/3900lm	
	24IPS2 - 2'x4'	80L3 - 60/48/40W, 7800/6240/5200lm	80L3 - 60/48/40W, 7800/6240/5200lm	130L3 - 100/80/60W, 13000/10400/7800lm	
CRI		CCT		Input Voltage	
8 - 80CRI		A3 - Adjustable CCT (5000/4000/3500K)		(Blank) - 120-347V	
Dimming		Diffuser			
(Blank) - 0-10V		(Blank) - PC TG - Tempered Glass			

Emergency Backup

EM8W - 8W constant power.

EM18W - 18W constant power.

SUMMARY

Input Voltage	120-347V
Input Power	See energy data for details
Power Factor	>0.9
THD (Max.)	<20%
Efficacy	130 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	0-10V dimming standard
Dimming Range	10-100%
CRI	>82
CCT	3500/4000/5000K Selectable
Operating Temp.	-13 °F ~ 104 °F (-25 °C ~ +40 °C)
Rated Life	70,000 hours
IP Rated	IP65

ENERGY PERFORMANCE DATA

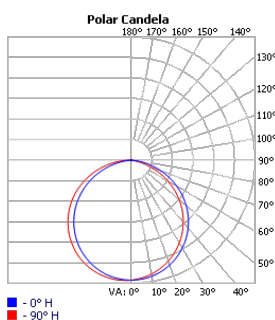
Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	BFPL-22IPS2-50L3-8A3	40/30/25	5200/3900/3250	130
	BFPL-22IPS2-80L3-8A3	60/48/40	7800/6240/5200	
2'x4'	BFPL-24IPS2-65L3-8A3	50/40/30	6500/5200/3900	
	BFPL-24IPS2-130L3-8A3	100/80/60	13000/10400/7800	
1'x4'	BFPL-14IPS2-50L3-8A3	40/30/25	5200/3900/3250	
	BFPL-14IPS2-80L3-8A3	60/48/40	7800/6240/5200	

*The delivered lumens above are based on highest wattage and 4000K.

**Default setting at time of shipping are highest wattage and highest CCT.

OPTICS

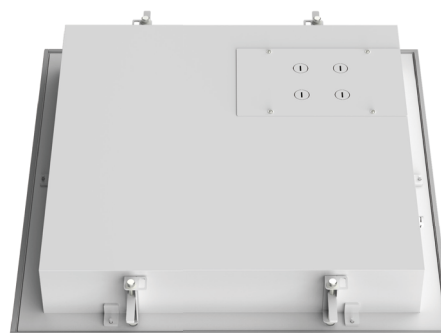
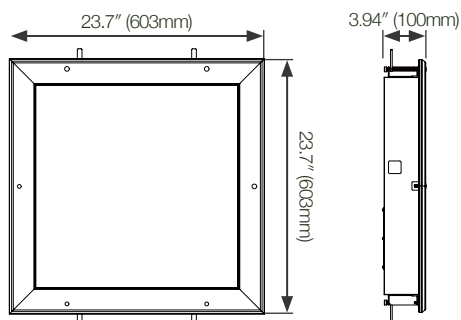
Beam Angle 110°x110°



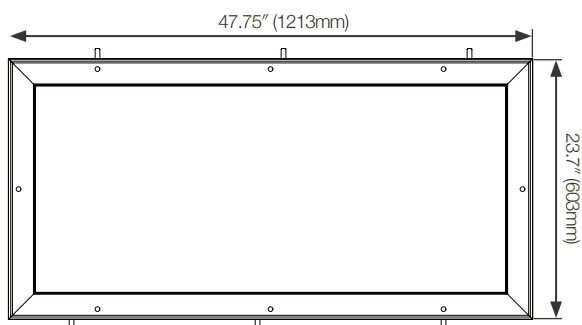
PHYSICAL PARAMETERS

DIMENSION

BFPL-22



BFPL-24



BFPL-14

