



PROJECT

TYPE

DATE

ITEM NO.

NOTE

BACKLIT LED FLAT PANEL**BFPL-S Series**

Panels and Troffers

DESCRIPTION

The Alphalite Backlit LED Flat Panel combines the benefits of long life, controllability, and energy savings with elegant design and superior quality of light. The BFPL luminaires optimize LED optics and electronics to deliver energy savings and high performance.

APPLICATION

Indoor general/ambient illumination. Idea for offices, schools, retail, and other architectural spaces that demand energy reduction and high quality light.

**SPECIFICATION FEATURES****Construction**

Rugged construction: solid high quality 23 gauge steel housing and aluminum frame with great heat dissipation and low light degradation. Rated as vibration and impact resistance. With PMMA wide beam angle optic and high transmittance PS diffuser, uniformity of BFPL luminaires reach up to 85%. Housing and optics maintain damp location rating with all internal components.

Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable and flicker-free LED driver. 120-277V input voltage for increased versatility. 1-10V continuous dimming comes standard. Ideal when used in conjunction with controls and sensors.

Mounting

Installs recessed with T-bar grid.

Finish

Highly reflective powder coat finish. Baked white matte paint, applied after fabrication.

Optics

Uniformity light 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.

Certifications / Regulatory

cULus listed for dry and damp locations rated, IC rated, FCC Part 15 Class B, DLC Premium listed.

Warranty

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

Quick Ship Product

BFPL-24L(35/30/23S)/8A
BFPL-24L(35/30/23S)/8A-12V
BFPL-24H(60/50/40S)/8A-12V
BFPL-22L(30/25/20S)/8A -12V
BFPL-14L(30/25/20S)/8A

ORDERING INFORMATION**Sample Number: BFPL-24L(35/30/23S)/8A**

Series	Length	Lumen Package			CRI
BFPL	14 - 1'x4'	1'x4'	2'x2'	2'x4'	8 - 80CRI
- Backlit LED	22 - 2'x2'	14L(30/25/20S)	22L(30/25/20S)	24L(35/30/23S)	
Flat Panel	24 - 2'x4'	- 30/25/20W, 3750/3125/2500lm	- 30/25/20W, 3750/3125/2500lm	- 35/30/23W, 4375/3750/2875lm 24H(60/50/40S) - 60/50/40W, 7500/6250/5000lm	

CCT	Auxiliary Power	Input Voltage	Control Option	Emergency Backup
A - Adjustable CCT (5000/4000/3500K)	(Blank) - without AUX 12V - with AUX 12V *AUX 12V for PIR sensor	(Blank) - 120-277V	OS - Occupancy PIR, daylight and daylight harvesting sensor, field install in 5 seconds (Configuration tool required)	EM8W - 8W constant power with integrated self-diagnostic test, with LECP flat test switch EM15W - 15W constant power with integrated self-diagnostic test, with LECP flat test switch

Assembly in USA	Accessories
(Blank) - TAA Compliant BAA - Assembly in USA	BFPL-SACC - Suspension mount kit FLK-xx - Flange Kit for drywall, xx as 14, 22 or 24 BFPL-SMK-xxS - Surface mount kit, xx as 14, 22 or 24

SUMMARY

Input Voltage	120-277V
Input Power	See energy data for details
Power Factor	>0.95
THD (Max.)	20%
Efficacy	125 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	1-10V dimming standard
Dimming Range	10-100%
CRI	>82
CCT	3500/4000/5000K Selectable
Operating Temp.	-4 °F ~ 131 °F (-20 °C ~ +55 °C)
Rated Life	70,000 hours

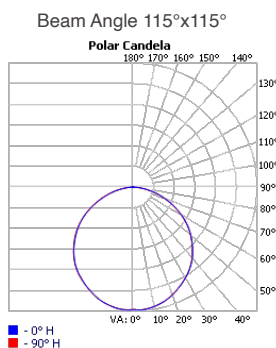
ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'x2'	BFPL-22L(30/25/20S)/8A	30/25/20	3750/3125/2500	125
2'x4'	BFPL-24L(35/30/23S)/8A	35/30/23	4375/3750/2875	
	BFPL-24H(60/50/40S)/8A	60/50/40	7500/6250/5000	
1'x4'	BFPL-14L(30/25/20S)/8A	30/25/20	3750/3125/2500	

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

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

OPTICS



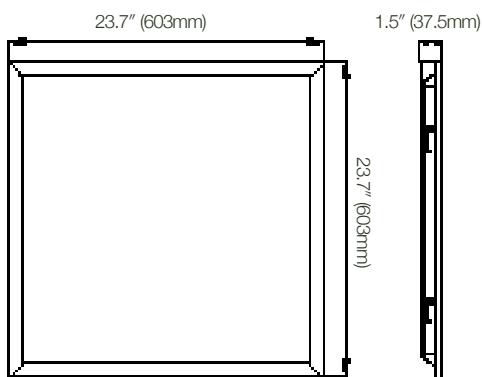
With Aux12V version supports install sensor



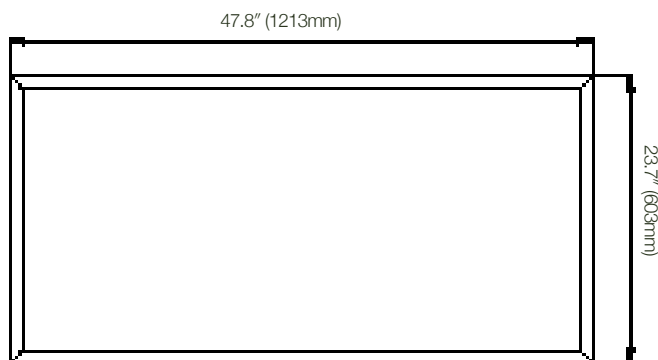
PHYSICAL PARAMETERS

DIMENSION

BFPL-22



BFPL-24



BFPL-14

