



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

BACKLIT LED FLAT PANEL

BFPL 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. 120V-277V input voltage for increased versatility. 0-10V 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. All components used have UL approval. UL Class 2. Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. IC rated. DLC Premium listed.

Warranty

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

Quick Ship Product

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

ORDERING INFORMATION

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

BFPL	24	L	8	A	(Blank)	(Blank)
Series	Form Factor	Lumen Package	CRI	CCT	Input Voltage	AUX power
BFPL - Backlit LED Flat Panel	22 - 2'x2' 24 - 2'x4' 14 - 1'x4'	L - Low Wattage Adjustable Wattage H - High Lumen Adjustable Wattage *See energy data for details	8 - 82+ CRI	A - Adjustable CCT 5000/4000/3500K	(Blank) - 120-277V C - 120-347V	(Blank) - Without AUX Power 12V - With DC12V

Options

Accessories

FLK - Flange Kit for Drywall
 BFPL-SMK-xxS - Surface Mount Kit (xx as 14/22/24)
 BFPL-SACC - Suspension Kit

Controls

MMS - Multifunction Motion Sensor (Motion detection/Photocell/Dimming)
 MMS-DL - Multifunction Motion Sensor (Motion detection/Photocell/Dimming/Daylight harvesting)
 Remarks: Sensor configuration tool remote control required, not included

Emergency Backup

(Lumen will maintain over the 90-minute duration)
 EM700 - 700lm
 EM1400 - 1400lm
 EM2000 - 2000lm

Assembly in USA

BAA - assembly in USA

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	Full Range 0-10V dimming standard
Dimming Range	0-10V Continuous (10-100%)
CRI	>82
CCT	3500/4000/5000K Selectable
Operating Temp.	-4 °F ~ 131 °F (-20 °C ~ +55 °C)
Rated Life	70,000 hours

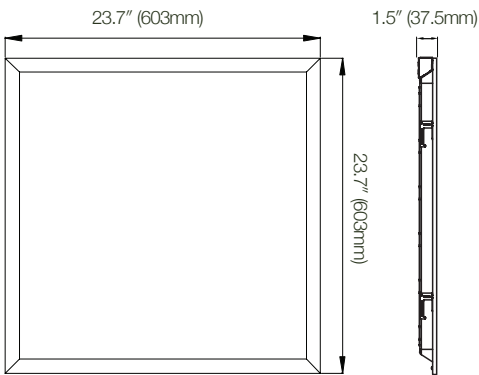
ENERGY PERFORMANCE DATA

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	125
	BFPL-24H(60/50/40S)/8A	60/50/40	7500/6250/5000	125
1'x4'	BFPL-14L(30/25/20S)/8A	30/25/20	3750/3125/2500	125

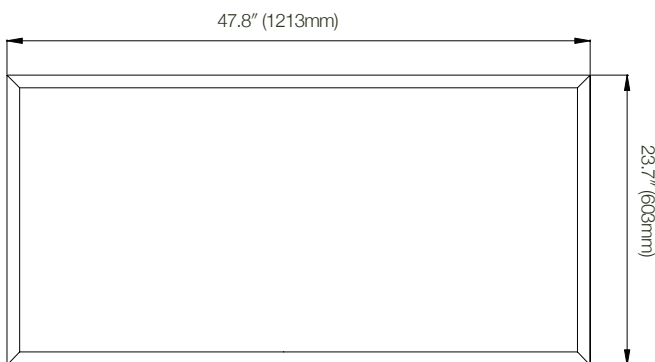
PHYSICAL PARAMETERS

DIMENSION

BFPL-22



BFPL-24



BFPL-14

