

FFPBL

FLAT PANEL BACKLIT SERIES

The Fidelux FFPBL Flat Panel Backlit Series is designed to blend in all commercial environments like offices, institutions, retail and healthcare applications. Available in 1'x4', 2'x2' and 2'x4' models, units provide high performance and efficiency for standard T-grid ceiling sizes. Light weight and therefore easy to install makes the FFPBL perfect for new installations along with a seamless solution for direct replacement to legacy fluorescent. 1-10V Dimming and tunable CCT comes standard.

- Secured frosted polystyrene lens
- Energy efficient performance up to 124 lm/W
- Powder-coated 16 gauge steel housing

HOUSING Powder-coated 16 gauge steel housing with preinstalled earthquake clips. Housing back embossed for rigidity. Housing secures lens to frame on all sides to prevent sagging.

LENS Frosted polystyrene, 73% transmission.

LEDS Average beam spread 113.5 degrees. LM-80 tested. CRI 80. Operating life 50,000 hours (L70). Selectable CCT.

ELECTRICAL 120-277V, 50/60 Hz, power factor >0.9. THD <20%. Drive current **1X4 UNITS:** 252 mA (30W); **2X2 UNITS:** 162 mA (20W), 252mA (30W); **2X4 UNITS:** 256mA (32W), 327mA(40W). 1-10V Dimming Standard.

EMERGENCY POWER Optional EM Backup battery packs available with 90 min minimum duration for 2' (995 lm) and 4' (1922 lm).

- 50,000 Hour operating life (L70)
- 1-10V Dimming standard
- Battery backup option

CONTROLS AND SENSORS 1-10v Dimming standard.

TEMPERATURE The FFPBL series is designed to operate in temperatures of -13°F to 104°F (-25°C to 40°C).

ACCESS / WIRING Two 3/4" conduit entries. Housing access via crosshead screwdriver.

MOUNTING Ceiling T-grid mounting. Drywall kit and surface mounting kits available.

WEIGHT 1X4 UNITS 4.62 lbs; **2X2 UNITS** 4.4 lbs; **2X4 UNITS** 9.02 lbs.

LISTINGS DLC. ETL Damp Location. IC-rated for insulation contact.

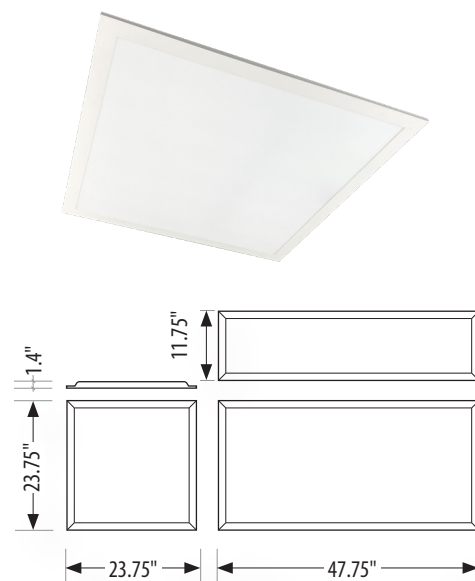
WARRANTY 5 year limited warranty.

Project _____

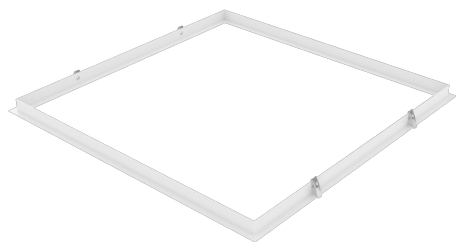
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Type _____

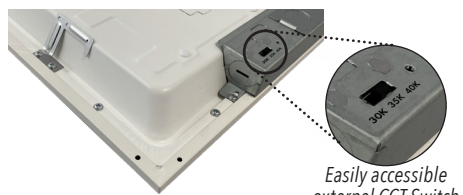
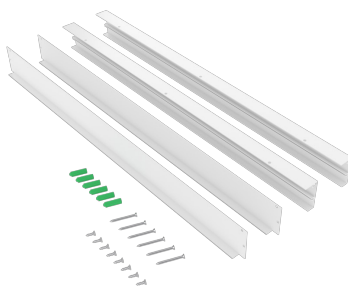
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DWK DRYWALL MOUNTING KIT FACTORY ASSEMBLED



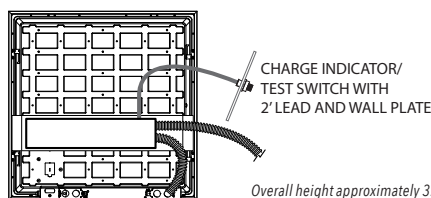
SMK SURFACE MOUNTING KIT REQUIRES ASSEMBLY



Features include an embossed housing for rigidity, pre-installed earthquake clips, and selectable CCT

Easily accessible external CCT Switch

EM15 EXTERNAL EMERGENCY POWER MODULE



Overall height approximately 3.4" with EM15 installed



Ordering Guide

Example: FFPBL22-20W-35K-UNV-D-EM15

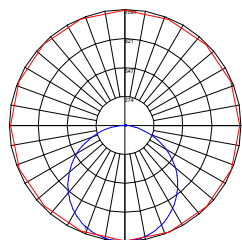
Series	Size	Wattage	CCT	Voltage	Controls	Emergency	Options
FFPBL	14 1x4 22 2x2 24 2x4	1x4 30W 2x2 20W 30W 2x4 32W 40W	30K 3000K 35K 3500K 40K 4000K	UNV-D 120/277V	1-10V Dimming (STD)	EM15 Battery backup	DWK (14, 22, 24) Drywall Kit SMK (14, 22, 24) Surface Mounting Kit

Please see Specification Summary for DLC Product IDs.

Photometrics

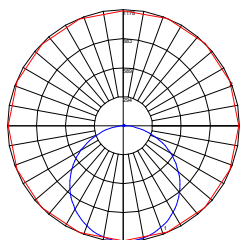
Values are nominal

FFPBL-14-30W-3000K



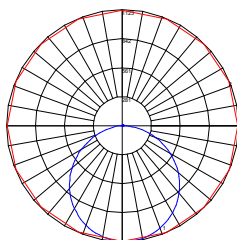
Maximum Candela = 1094
Horizontal Angle 270
Vertical Angle 002

FFPBL-14-30W-3500K



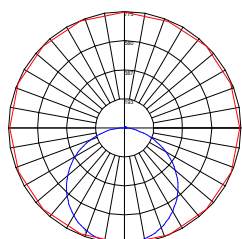
Maximum Candela = 1178
Horizontal Angle 45
Vertical Angle 002

FFPBL-14-30W-4000K



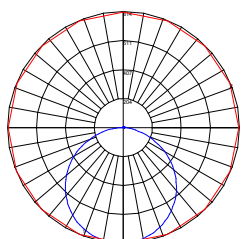
Maximum Candela = 1123
Horizontal Angle 292.5
Vertical Angle 002

FFPBL-22-20W-3000K



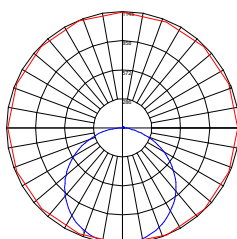
Maximum Candela = 773
Horizontal Angle 270
Vertical Angle 002

FFPBL-22-20W-3500K



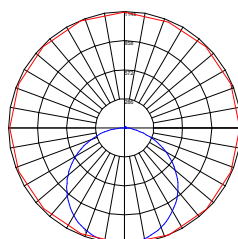
Maximum Candela = 814
Horizontal Angle 270
Vertical Angle 002

FFPBL-22-20W-4000K



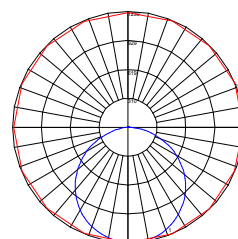
Maximum Candela = 1145
Horizontal Angle 270
Vertical Angle 002

FFPBL-22-30W-3000K



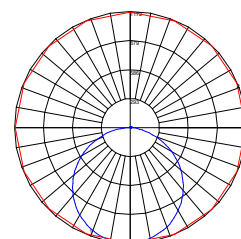
Maximum Candela = 1145
Horizontal Angle 270
Vertical Angle 002

FFPBL-22-30W-3500K



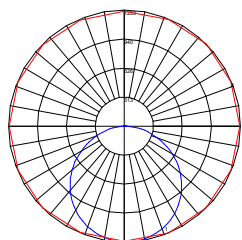
Maximum Candela = 1239
Horizontal Angle 292.5
Vertical Angle 004

FFPBL-22-30W-4000K



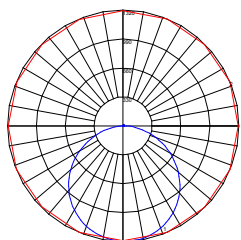
Maximum Candela = 1172
Horizontal Angle 270
Vertical Angle 002

FFPBL-24-32W-3000K



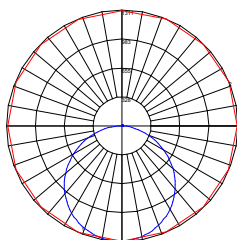
Maximum Candela = 1253
Horizontal Angle 45
Vertical Angle 002

FFPBL-24-32W-3500K



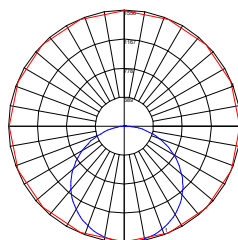
Maximum Candela = 1320
Horizontal Angle 67.5
Vertical Angle 002

FFPBL-24-32W-4000K



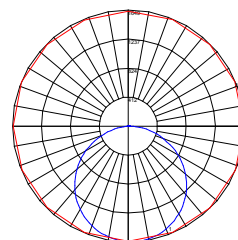
Maximum Candela = 1311
Horizontal Angle 270
Vertical Angle 002

FFPBL-24-40W-3000K



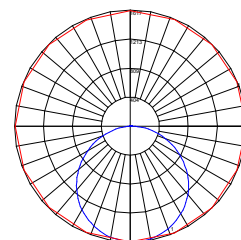
Maximum Candela = 1556
Horizontal Angle 315
Vertical Angle 002

FFPBL-24-40W-3500K



Maximum Candela = 1649
Horizontal Angle 337.5
Vertical Angle 002

FFPBL-24-40W-4000K



Maximum Candela = 1617
Horizontal Angle 0
Vertical Angle 002

FFPBL Series Specification Summary

	FFPBL-14-30W	FFPBL-22-20W	FFPBL-22-30W	FFPBL-24-32W	FFPBL-24-40W
DLC Primary Use	Luminaires for Ambient Lighting of Interior Commercial Spaces				
DLC Product ID	P3WK0NAH	P374M5C5	PB77SYB4	PE0FAZ8D	PHC6B1YN
Wattage	30W	20W	30W	32W	40W
Efficacy lm/W @ 4000K	114	119	116	124	120
Lumens @ 3000K	3324	2229	3358	3582	4440
Lumens @ 3500K	3660	2368	3565	3746	4702
Lumens @ 4000K	3401	2280	3468	3731	4656
CRI	>80				
THD @ 277VAC	<=20%				
Color Temperatures	3000K / 3500K / 4000K				
Dimming	1-10V				
Input Voltage Options	100-277VAC				
Power Factor	>=0.9				
Beam Spread	113.5°				
L70 Lifespan (TM21)	50,000 hours				
Ambient Working Temp	-13°F to 104°F (-25°C to 40°C)				
Max Dimensions (in)	11.75"W x 47.75"L x 1.4"H	23.75"W x 23.75"L x 1.4"H		23.75"W x 47.75"L x 1.4"H	
Total Weight	4.62 lbs	4.4 lbs		9.02 lbs	
Limited Warranty	5 Yrs.				

Values are nominal

FFPBL Series Emergency Power Performance Summary

Fixture	20W Units	30W Units	32W Units	40W Units
FFPBL 1x4		1700 lm		
FFPBL 2x2	1710 lm	1734 lm		
FFPBL 2x4			1749 lm	1746 lm

Values are nominal