LEDBFP14UNV-XXK Premium Performance 35 Watt 1x4 Ultra-Thin Edge-Lit LED Panel

Project:	
Type:	
Catalog #:	

STANDARD

The premium-performance, ultra-thin, edge-lit LED panel (LEDBFP) series offers industry-leading lumens per watt (LPW). The LEDBFP is designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals and stores, and is the perfect choice for both new construction and retrofits. This high-efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10 vdc dimming capability.

FEATURES

- *Available in 3000k (warm white), 3500k (warm/neutral white), 4000k (cool white) and 5000k (Daylite) color temperatures.**
- *Long-life LEDs provide 81,000 hours of operation with at least 70% of initial lumen output (L_{70}).***
- *Provides 4,517 luminaire lumens (122 lumens per watt, LPW) at 3000k; 4,616 luminaire lumens (125 LPW) at 3500k; 4,673 luminaire lumens (126 LPW) at 4000k, and 4,730 luminaire lumens (128 LPW) at 5000k.**
- *Uniform illumination with no visible LED pixilation.*
- *Universal 120-277 AC voltage (50-60Hz) is standard.*
- *0-10vdc dimming capability is standard.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index > 80.*
- *Aluminum housing.*
- *PMMA (polymethyl methacrylate) acrylic lens with light guide panels for optimal light distribution and efficiency.*
- *Easy installation in new construction or retrofit.*
- *Standard earthquake clips provide secure installation in grid ceilings.*
- *Standard mounting options include recessed mounting in grid ceilings, or suspended mounting using attached hanging brackets. For mounting in plaster or other hard ceiling, see Mounting Kits.*
- ***Available with LED Emergency battery back-up.***

** Contact factory for other color temperatures and lumen packages.*
*** L_{70} hours are IES TM-21-11 calculated hours.*

WARRANTY & LISTINGS

- *UL listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -25°C to 50°C (-13°F to 122°F).*
- *DLC Premium listed.*
- *Complies with RoHS (Restriction on Hazardous Substances) requirements.*
- *Complies with FCC Part 15, part B.*
- *Complies with IEEE C.62.41, input transient protection (2kV).*
- *5-year warranty of all electronics and housing.*

MOUNTING KITS *See below for details*

- *Optional surface & flange mounting kits provide for installation on plaster or other hard ceilings.*
- *Optional cable mounting kits provide additional security, as well as suspended mounting.*

DIMENSIONS

Weight: 7.6 lbs.

ORDERING INFORMATION

Example: LEDBFP14UNV-50K

Model	Luminaire Watts	Luminaire Lumens	Lumens/ Watt	Color Temperature	Input Voltage	DLC Listing	Options (See below for details)
LEDBFP14UNV	37	4,517	122	3K = 3000k ●	MV = Multi-volt (120-277V)	PRM-BES = DLC Premium	LEDFP14SMK = Surface Mounting Kit (1x4)
		4,616	125	35K = 3500K ●			LYFL14 = Flange Mounting Kit (1x4)
		4,673	126	4K = 4000k ●			GRIPPLE10/15 = Cable Mounting Kit, Quantity 2 10'/15' long, 1/16" diameter, with spring clips & adjustable, locking ceiling attachment
		4,730	128	5K = 5000k			LEDPNL-EMBRKT = Bracket for emergency battery backup unit

● **Special Order**

Edsun Lighting, Hialeah, FL 33010 • Ph.: 305 888-8849 • Fax: 305 883-0005
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EDSUN LIGHTING FIXTURE Mfg

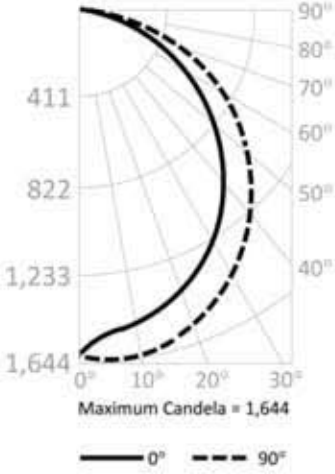
ELECTRICAL DATA

Model	Color Temp.	CRI[1]	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage[2]	Input Current (A)			Power Factor	THD[3]	L_{70} Hours[4]
							120V	240V	277V			
LEDBFP14UNV-30K •	3000k	> 80	4,517	37	122	120-277	0.31	0.15	0.13	> 90%	< 20%	81,000
LEDBFP14UNV-35K •	3500k	> 80	4,616	37	125	120-277	0.31	0.15	0.13	> 90%	< 20%	81,000
LEDBFP14UNV-40K •	4000k	> 80	4,673	37	126	120-277	0.31	0.15	0.13	> 90%	< 20%	81,000
LEDBFP14UNV-50K •SPECIAL ORDER	5000k	> 80	4,730	37	128	120-277	0.31	0.15	0.13	> 90%	< 20%	81,000

[1] Color rendering index.
[2] All 50-60Hz.
[3] Total harmonic distortion.
[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

LEDBFP14UNV-50K (4730 LUMENS)



Candlepower Summary

	0°	90°
0°	1,598	1,598
10°	1,490	1,626
20°	1,394	1,550
30°	1,242	1,414
40°	1,047	1,229
50°	812	1,009
60°	565	762
70°	307	496
80°	77	231
90°	0	24

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	159	3.4%
0° – 20°	615	13.0%
0° – 30°	1,304	27.6%
0° – 40°	2,133	45.1%
0° – 50°	2,985	63.1%
0° – 60°	3,749	79.3%
0° – 70°	4,321	91.4%
0° – 80°	4,640	98.1%
0° – 90°	4,730	100.0%
90° – 180°	0	0.0%
0° – 180°	**4,730**	**100.0%**

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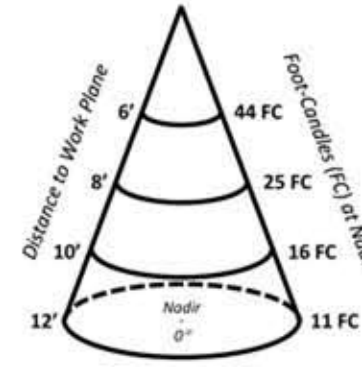

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