

Project:	
Type:	
Catalog #:	



STANDARD



The premium-performance FCBLED24 is a 2' x 4' LED center basket luminaire, which offers industry-leading lumens per watt (LPW), and which is *DLC Premium* listed. The BCBLED24 is designed as a direct replacement for 2' x 4' fluorescent luminaires installed in grid ceilings. It 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 0-10vdc dimming capability.

FEATURES

- Available in 3000k (warm white), 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 81,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Provides 4,854 luminaire lumens (124 lumens per watt, LPW) at both 3000k and 3500k; 4,945 luminaire lumens (126 LPW) at 4000k, and 5,036 luminaire lumens (128 LPW) at 5000k.*
- Uniform illumination with no visible LED pixelation.
- 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.
- Steel housing and acrylic lens.
- Easy installation in new construction or retrofit. Fits in standard 2' x 2' grid ceilings.
- Standard earthquake clips provide secure installation in grid ceilings.

* Contact factory for other color temperatures and lumen packages.

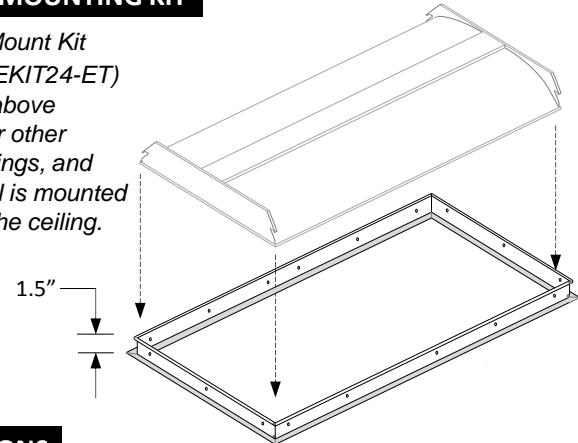
** L_{70} hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

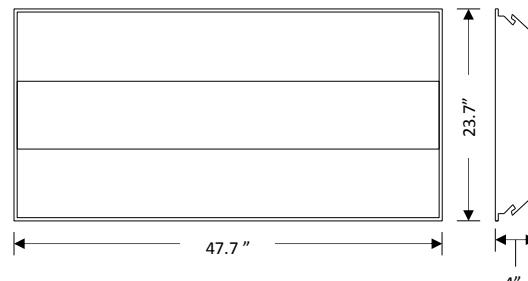
- UL listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -25°C to 50°C (-13°F to 122°F).
- DLC Premium listed.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, part B.
- Complies with IEEE C.62.41-1991, input transient protection (2.5kV).
- 5-year warranty of all electronics and housing.

FLANGE MOUNTING KIT

- Flange Mount Kit (FLANGEKIT24-ET) mounts above plaster or other hard ceilings, and the panel is mounted flush to the ceiling.



DIMENSIONS



Weight: 15.2 lbs.

ORDERING INFORMATION

Example: CCBLED24-40W-3KMV-PRM-BES-FLANGEKIT24-ET

Model	Luminaire Watts	Luminaire Lumens	Lumens/Watt	Color Temperature	Input Voltage	DLC Listing	Options
FCBLED24-40W	39	4,854 4,854 4,945 5,036	124 124 126 128	3K = 3000k 35K = 3500K 4K = 4000k 5K = 5000k	MV= Multi-volt (120-277V)	PRM-BES = DLC Premium	FLANGEKIT24-ET = Flange Mounting Kit

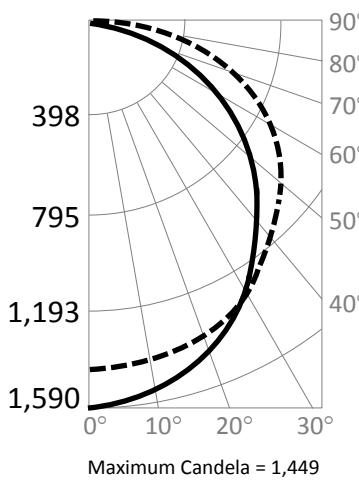
ELECTRICAL DATA

Model		CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage	Input Current (A)			Power Factor	THD ²	L ₇₀ Hours ³
							120V	240V	277V			
FCBLED24-40W-3KMOV-PRM-BES	3000k	> 80	4,854	39	124	120-277	0.33	0.16	0.14	> 90%	< 20%	81,000
FCBLED24-40W-35KMOV-PRM-BES	3500k	> 80	4,854	39	124	120-277	0.33	0.16	0.14	> 90%	< 20%	81,000
FCBLED24-40W-4KMOV-PRM-BES	4000k	> 80	4,945	39	126	120-277	0.33	0.16	0.14	> 90%	< 20%	81,000
FCBLED24-40W-5KMOV-PRM-BES	5000k	> 80	5,036	39	128	120-277	0.33	0.16	0.14	> 90%	< 20%	81,000

¹ Color rendering index.² All 50-60Hz.³ Total harmonic distortion.⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

FCBLED24-40W-5KMOV-PRM-BES (5,036 Lumens)



Candlepower Summary

	0°	90°
0°	1,541	1,541
10°	1,451	1,563
20°	1,402	1,483
30°	1,311	1,343
40°	1,187	1,160
50°	1,034	939
60°	867	695
70°	646	437
80°	246	184
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 10°	153	3.0%
0° - 20°	593	11.8%
0° - 30°	1,265	25.1%
0° - 40°	2,087	41.4%
0° - 50°	2,962	58.8%
0° - 60°	3,790	75.3%
0° - 70°	4,477	88.9%
0° - 80°	4,918	97.7%
0° - 90°	5,036	100.0%
90° - 180°	0	0%
0° - 180°	5,036	100.0%

Cone of Light

