

FBCBLED24-52D 2x4 LED Center Basket



Project:	
Type:	
Catalog #:	

STANDARD



The FBCBLED24 is a 2' x 4' LED center basket luminaire, which is designed as a direct replacement for 2' x 4' fluorescent luminaires installed in grid ceilings. The FBCBLED24 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 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 52,000 hours of operation with at least 70% of initial lumen output (L_{70}).^{**}
- Provides 4,758 luminaire lumens (99 lumens per watt) at both 4000k and 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. Housing fits in standard 2' x 4' grid ceilings.

* Contact factory for other color temperatures and lumen packages.

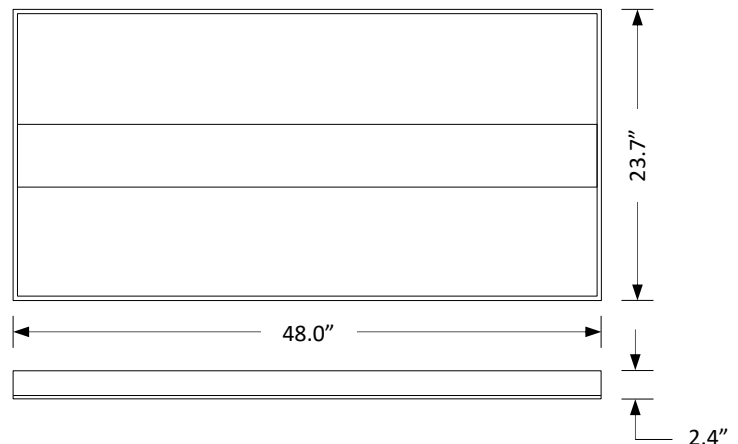
^{**} L_{70} hours are IES TM-21-11 calculated hours.



WARRANTY & LISTINGS

- ETL approved for damp locations and to relevant U.L. standards (-30° C to 50° C / -22° F to 122° F).
- DLC approved.
- Complies with FCC Part 15, Class A.
- Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.5kV).
- Complies with IEC 61000-4-2 level 2 (4kV) electrostatic discharge (ESD).
- 5-year warranty of all electronics and housing.

DIMENSIONS



ORDERING INFORMATION

Model	Color Temperature	Luminaire Lumens	Luminaire Watts	Lumens / Watt
FBCBLED24-52D-4KMV	4000k	4,758	48	99
FBCBLED24-52D-5KMV	5000k			

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ELECTRICAL

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage	Input Current (A)			Power Factor	THD ²	L ₇₀ Hours
							120V	240V	277V			
FBCBLED24-52D-4KMV	4000k	> 80	4,758	48	99	120-277 (50-60Hz)	0.40	0.20	0.17	> 90%	< 20%	52,000
FBCBLED24-52D-5KMV	5000k	> 80	4,758	48	99	120-277 (50-60Hz)	0.40	0.20	0.17	> 90%	< 20%	52,000

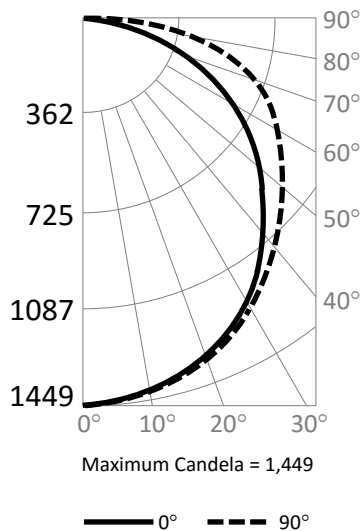
¹ Color rendering index

² Total harmonic distortion

³ L70 refers to the number of operation hours at which 70% of initial lumen output is reached.

PHOTOMETRIC DATA

Model: FBCBLED24-52D-4KMV (4,758 lumens)



Candlepower Summary

	0°	90°
0°	1,449	1,448
10°	1,427	1,433
20°	1,360	1,379
30°	1,247	1,289
40°	1,092	1,165
50°	898	1,018
60°	670	866
70°	420	709
80°	169	434
90°	2	14

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	137	2.9%
0° – 20°	530	11.1%
0° – 30°	1,134	23.8%
0° – 40°	1,880	39.5%
0° – 50°	2,680	56.3%
0° – 60°	3,447	72.4%
0° – 70°	4,107	86.3%
0° – 80°	4,588	96.4%
0° – 90°	4,758	100.0%
90° – 180°	0	0%
0° – 180°	4,758	100.0%

Cone of Light

