

BRKCBLED24 Series 2x4 Center Basket Retrofits



Project:	
Type:	
Catalog #:	

STANDARD



The BRKCBLED24 2x4 retrofit center baskets are designed to transform existing 2x4 fluorescent recessed luminaires into high performance LED luminaires. The BRKCBLED24 2x4 series is designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals and stores. This high-efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10vdc dimming capability.

FEATURES

- Available in 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L₇₀).**
- BRKCBLED24-23W provides 2,976 luminaire lumens (129 lumens per watt, LPW) at 3500k; 3,036 luminaire lumens (132 LPW) at 4000k; and 3,059 luminaire lumens (133 LPW) at 5000k.*
- BRKCBLED24-42W provides 5,285 luminaire lumens (126 LPW) at 3500k; 5,376 luminaire lumens (128 LPW) at 4000k; and 5,460 luminaire lumens (130 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 existing 2x4 fluorescent recessed housings.

* Contact factory for other color temperatures and lumen packages.

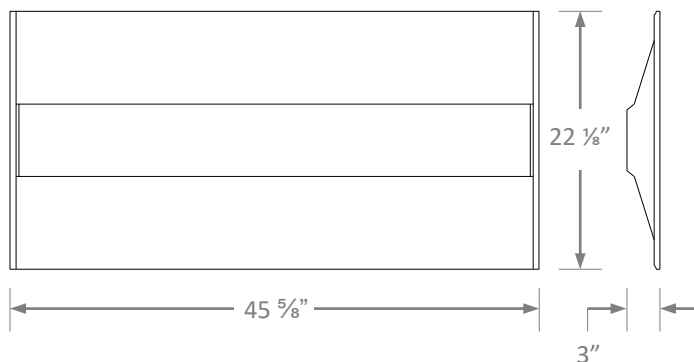
** L₇₀ hours are IES TM21-11 calculated hours.



WARRANTY & LISTINGS

- cULus approved for damp locations (-20° C to 50° C / -4° F to 122° F).
- DLC premium approved.
- Flicker-free per IEEE1789-2015 (low risk of adverse effects of flicker at 100% light output level).
- Complies with FCC Part 15, Class A.
- Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.5kV).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- 5-year warranty of all electronics and housing.

DIMENSIONS



Weight: 15.2 lbs.

ORDERING INFORMATION

Model	Color Temperature	Luminaire Lumens	Luminaire Watts	Lumens / Watt
BRKCBLED24-23W-35KMV-PRM-ET	3500k	2,976	23	129
BRKCBLED24-23W-4KMV-PRM-ET	4000k	3,036	23	132
BRKCBLED24-23W-5KMV-PRM-ET	5000k	3,059	23	133
BRKCBLED24-42W-35KMV-PRM-ET	3500k	5,285	42	126
BRKCBLED24-42W-4KMV-PRM-ET	4000k	5,376	42	128
BRKCBLED24-42W-5KMV-PRM-ET	5000k	5,460	42	130

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ELECTRICAL

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			
BRKCBLED24-23W-35KMV-PRM-ET	3500k	>80	2,976	23	129	120-277	0.19	0.10	0.08	>90%	<20%	122,000
BRKCBLED24-23W-4KMV-PRM-ET	4000k	>80	3,036	23	132	120-277	0.19	0.10	0.08	>90%	<20%	122,000
BRKCBLED24-23W-5KMV-PRM-ET	5000k	>80	3,059	23	133	120-277	0.19	0.10	0.08	>90%	<20%	122,000
BRKCBLED24-42W-35KMV-PRM-ET	3500k	>80	5,285	42	126	120-277	0.35	0.18	0.15	>90%	<20%	122,000
BRKCBLED24-42W-4KMV-PRM-ET	4000k	>80	5,376	42	128	120-277	0.35	0.18	0.15	>90%	<20%	122,000
BRKCBLED24-42W-5KMV-PRM-ET	5000k	>80	5,460	42	130	120-277	0.35	0.18	0.15	>90%	<20%	122,000

¹ Color rendering index.

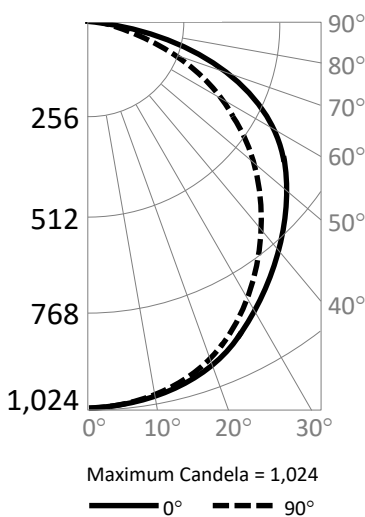
² All 50-60Hz.

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 TM21-11 calculated hours.

PHOTOMETRIC DATA

Model: BRKCBLED24-23W-5KMV-PRM-ET (3,059 lumens)



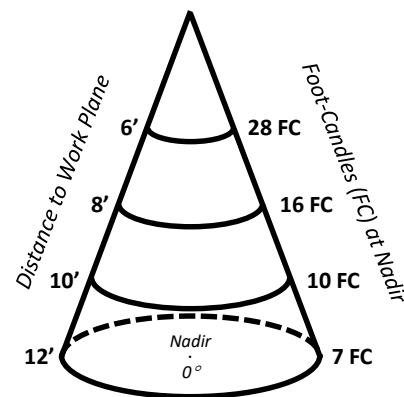
Candlepower Summary

	0°	90°
0°	1,024	1,024
10°	1,002	1,007
20°	957	953
30°	886	843
40°	782	719
50°	671	566
60°	564	414
70°	420	253
80°	234	102
90°	0	0

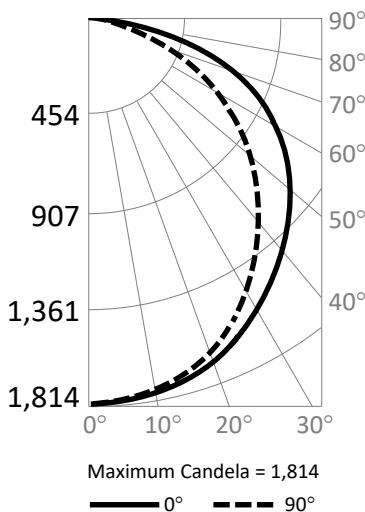
Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	96	3.1%
0° – 20°	372	12.2%
0° – 30°	788	25.8%
0° – 40°	1,289	42.1%
0° – 50°	1,811	59.2%
0° – 60°	2,296	75.1%
0° – 70°	2,699	88.2%
0° – 80°	2,969	97.1%
0° – 90°	3,059	100.0%
90° – 180°	0	0%
0° – 180°	3,059	100.0%

Cone of Light



Model: BRKCBLED24-42W-5KMV-PRM-ET (5,460 lumens)



Candlepower Summary

	0°	90°
0°	1,814	1,814
10°	1,784	1,777
20°	1,701	1,664
30°	1,566	1,481
40°	1,385	1,249
50°	1,187	984
60°	981	699
70°	729	415
80°	378	158
90°	5	2

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	173	3.2%
0° – 20°	668	12.2%
0° – 30°	1,416	25.9%
0° – 40°	2,318	42.5%
0° – 50°	3,258	59.7%
0° – 60°	4,129	75.6%
0° – 70°	4,845	88.7%
0° – 80°	5,316	97.4%
0° – 90°	5,460	100.0%
90° – 180°	0	0%
0° – 180°	5,460	100.0%

Cone of Light

