COST LESS LIGHTING

05-CBR

LED CENTER BASKET TROFFER RETROFIT KIT

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PROJECT	TYPE	CATALOG #



Model	Size (inches) & Weight (lb)			
	L (in)	W (in)	H (in)	Weight
05-CBR22-5432L-5CCT	23.98	23.86	2.99	7.17
05-CBR24-6543L-5CCT	47.83	23.86	2.99	11.24

Series	Nominal Lumen Output (Selectable)	CCT (Selectable)
05-CBR22	5432L = 5,000/4,000/3,000/2,000 lm	5CCT = 3000K/3500K/4000K/5000K/6500K
05-CBR24	6543L = 6,000/5,000/4,000/3,000 lm	

Specifications

Housing

- *White powder-coated steel housing.*

Electrical

- *Operating temperature (ambient): -20°C to 50°C (-4°F to 122°F).*
- *120-277VAC, 50-60Hz.*
- *0-10V dimming driver.*
- *Input transient surge protection: 1kV.*
- *Power factor > 0.90.*
- *Total harmonic distortion (THD) < 20%.*

Mounting

- *Retrofit mount kit comes standard.*

**Retrofits into most existing center basket housings in about 15 minutes.*
**Minimum depth of 3" is necessary to allow proper clearance and installation.*

Code Compliance & Ratings

- *cULus listed for damp locations.*
- *Complies with FCC Part 15, Class A.*

Optical System

- *Efficacy up to 163 lumens per watt.*
- *Field-selectable 3000K, 3500K, 4000K, 5000K, and 6500K color temperatures.**
- *05-CBR22-5432L-5CCT selectable output delivers from 2,334 to 4,664 lumens across 4 settings.**
- *05-CBR24-6543L-5CCT selectable output delivers from 3,141 to 6,193 lumens across 4 settings.**
- *Long-life LEDs provide 102,000 hours of operation with at least 70% of initial lumen output (L70), and 54,000 hours with at least 90% of initial lumen output (L90).***
- *LED color maintenance < 0.0013 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.*
- *PMMA (Polymethyl methacrylate) LED lenses for optimal light distribution, efficiency and longevity.*
- *Color Rendering Index (CRI) ≥ 80.*

Warranty

- *5-year warranty on all electronics and housing.*

** Factory default is 4000K color temperature and the highest lumen output.*
***L70 & L90 hours are IES TM-21-11 calculated hours.*

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Compatible Dimmers & Controls

Manufacturer	Model Number	Style	Dimmer Range	Load Switching Capacity
Best Lighting	DWS-010V-T	Toggle	10-100%	600W
Best Lighting	DWS-010V-D	Decora	10-100%	600W
Best Lighting	GPDMLV-02-3	Toggle	10-100%	600W
Best Lighting	GPDMLV-12-3	Decora	10-100%	600W
Leviton	IP710-LFZ	Toggle	10-100%	1200W
Lutron	DVSTV	Decora	10-100%	450W

Lumen Tables & Electrical Data

Series	Measurements		5L					4L				
			3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K
05-CBR22-5432L-5CCT	Lumens		4,571	4,574	4,639	4,664	4,630	3,656	3,753	3,774	3,852	3,771
	Watts		32.3	31.2	30.9	31.1	31.3	24.9	24.8	24.6	24.7	24.9
	Efficacy (lm/W)		142	147	150	150	148	147	151	153	156	152
	Input Current (A)	120V	0.27	0.26	0.26	0.26	0.26	0.21	0.21	0.20	0.21	0.21
		240V	0.13	0.13	0.13	0.13	0.13	0.10	0.10	0.10	0.10	0.10
		277V	0.12	0.11	0.11	0.11	0.11	0.09	0.09	0.09	0.09	0.09

Series	Measurements		3L					2L				
			3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K
05-CBR22-5432L-5CCT	Lumens		2,844	2,933	2,949	2,975	2,955	2,334	2,349	2,380	2,396	2,398
	Watts		18.9	18.8	18.6	18.6	18.8	15.1	15.0	14.9	15.1	15.1
	Efficacy (lm/W)		151	156	159	160	157	154	156	159	159	159
	Input Current (A)	120V	0.16	0.16	0.15	0.16	0.16	0.13	0.13	0.12	0.13	0.13
		240V	0.08	0.08	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.06
		277V	0.07	0.07	0.07	0.07	0.07	0.05	0.05	0.05	0.05	0.05

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Series	Measure-ments		6L					5L				
			3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K
05-CBR24-6543L-5CCT	Lumens		5,816	6,017	6,136	6,193	6,140	5,049	5,190	5,262	5,326	5,301
	Watts		41.1	40.8	40.7	40.9	41.5	34.7	34.2	34.2	34.3	34.7
	Efficacy (lm/W)		141	148	151	152	148	146	152	154	155	153
	Input Current (A)	120V	0.34	0.34	0.34	0.34	0.35	0.29	0.28	0.29	0.29	0.29
		240V	0.17	0.17	0.17	0.17	0.17	0.14	0.14	0.14	0.14	0.14
		277V	0.15	0.15	0.15	0.15	0.15	0.13	0.12	0.12	0.12	0.13

Series	Measure-ments		4L					3L				
			3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K
05-CBR24-6543L-5CCT	Lumens		4,295	4,395	4,453	4,519	4,512	3,141	3,187	3,247	3,273	3,275
	Watts		28.8	28.5	28.4	28.4	28.8	20.1	20.2	20.1	20.1	20.3
	Efficacy (lm/W)		149	154	157	159	157	156	158	161	163	162
	Input Current (A)	120V	0.24	0.24	0.24	0.24	0.24	0.17	0.17	0.17	0.17	0.17
		240V	0.12	0.12	0.12	0.12	0.12	0.08	0.08	0.08	0.08	0.08
		277V	0.10	0.10	0.10	0.10	0.10	0.07	0.07	0.07	0.07	0.07

Photometric Data

05-CBR22-5432L-5CCT

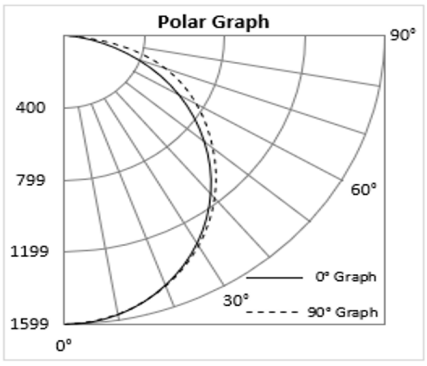
Luminaire Data

Description	2X2 Retrofit Center Basket Lumen and Color Select
Total Lumens	4,682
Input Wattage	31
Efficacy (lm/W)	153
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.26

**Photometrics generated @4000K and highest power output.*

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	583	12.5%
0-30°	1,236	26.4%
0-40°	2,022	43.2%
20-50°	2,257	48.2%
40-70°	2,173	46.4%
0-60°	3,593	76.7%
0-80°	4,576	97.7%
0-90°	4,682	100.0%
90-180°	0	0.0%
0-180°	4,682	100.0%



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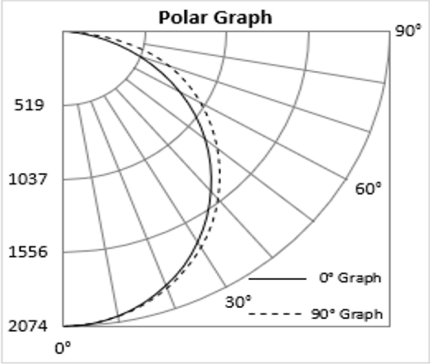
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05-CBR24-6543L-5CCT

Luminaire Data	
Description	2X4 Retrofit Center Basket Lumen and Color Select
Total Lumens	6,111
Input Wattage	40
Efficacy (lm/W)	151
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.26

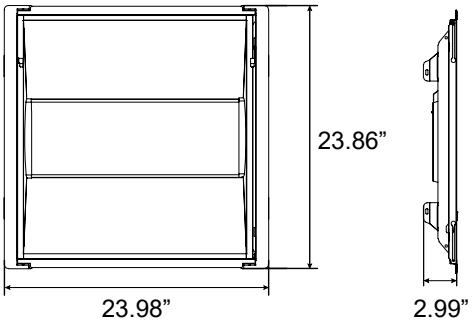
**Photometrics generated @4000K and highest power output.*

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	757	12.4%
0-30°	1,603	26.2%
0-40°	2,622	42.9%
20-50°	2,926	47.9%
40-70°	2,826	46.2%
0-60°	4,661	76.3%
0-80°	5,955	97.4%
0-90°	6,111	100.0%
90-180°	0	0.0%
0-180°	6,111	100.0%



Dimensional Drawings

05-CBR22-5432L-5CCT



05-CBR24-6543L-5CCT

