LEDALUX®

CB24 - Center Basket 2x4

CATALOG NUMBER:

NOTES:

FIXTURE TYPE:

PROJECT:

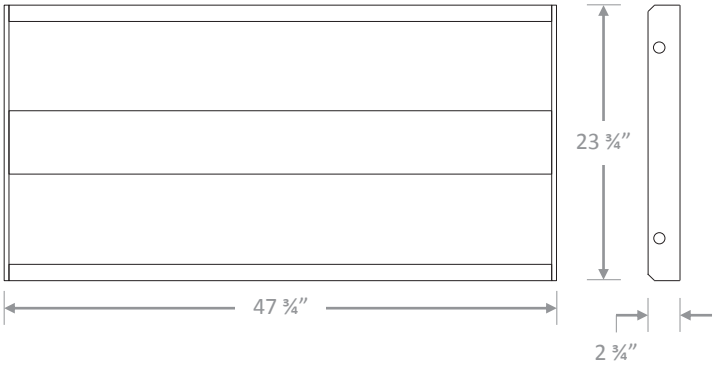
L70 25°C **144,000 Hours**

FEATURES

- Available in 3500k (warm/neutral white), 4000k (neutral white) & 5000k (cool white) color temperatures.*
- Long-life LEDs provide at least 144,000 hours of operation with at least 70% of initial lumen output (L70).**
- Provides 4,538-4,605 lumens and 137-139 lumens per watt (LPW).
- Uniform illumination with no visible LED pixilation.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc, continuous dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) >80.
- Steel housing and PMMA lens.
- Easy installation in new construction or retrofit. Fits in standard 2' x 4' grid ceilings.
- Built-in earthquake clips provide secure installation in grid ceilings.
- Standard mounting options include recessed mounting in grid ceilings, or suspended mounting using earthquake clips. For other mounting options, see Mounting Means (page 4).

*Contact factory for other color temperatures and lumen packages.
**L70 hours are IES TM-21-11 calculated hours.

DIMENSIONS



Weight: 18 lbs.

WARRANTY & LISTINGS

- cULus listed for damp locations and insulated ceiling in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- UL listed for maximum of 4, 12 AWG through branch circuit conductor.
- Inherently protected.
- Type IC rated for insulated ceilings.
- DLC 5.0 premium approved.
- Low risk of flicker (per IEEE1789-2015) at 100% light output level.
- Complies with FCC Part 15, class B.
- Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.5kV).
- 5-year warranty of all electronics and housing.

ORDERING INFORMATION

EXAMPLE: CB24-5L-5K-PRM-ODS-EM20

Model	Nominal Lumens	Color Temp	DLC	Occupancy Sensor[1]	Emergency Driver [2] [3]
CB24	5L = 5,000 lm	35K = 3500K 4K = 4000k 5K = 5000k	PRM	ODS = Microwave Blank = No occupancy sensor	EM8 = 800 lumens EM12 = 1,200 lumens EM16 = 1,600 lumens EM20 = 2,000 lumens EM24 = 2,400 lumens EC8 = 800 lumens EC12 = 1,200 lumens EC16 = 1,600 lumens EC20 = 2,000 lumens EC24 = 2,400 lumens Blank = No emergency driver

[1] Contact factory for other sensors.
[2] See list of emergency drivers (page 3).
[2] EC emergency drivers are California Energy Commission (CEC) listed.

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L70 25°C 144,000 Hours

ELECTRICAL DATA

Model	Color Temp.	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			
CB24-5L-35K-PRM	3500k	> 80	4,538	33	137	120-277V	0.28	0.14	0.12	> 90%	< 20%	144,000
CB24-5L-4K-PRM	4000k	> 80	4,562	33	138	120-277V	0.28	0.14	0.12	> 90%	< 20%	144,000
CB24-5L-5K-PRM	5000k	> 80	4,605	33	139	120-277V	0.28	0.14	0.12	> 90%	< 20%	144,000

[1] Color rendering index
[2] Total harmonic distortion
[3] 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

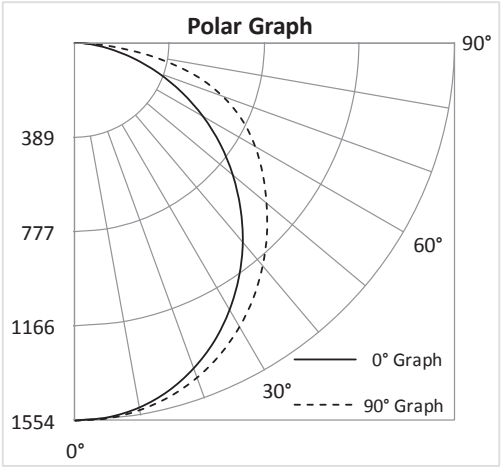
CB24-5L-5K-PRM

Luminaire Data

Description	2X4 LED Center Basket 5L, 5K
Total Lumens	4,605
Input Wattage	33
Efficacy (lm/W)	139
Spacing Criterion (0-180°)	1.22
Spacing Criterion (90-270°)	1.3

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	566	12.3%
0-30°	1,199	26.0%
0-40°	1,958	42.5%
20-50°	2,182	47.4%
40-70°	2,129	46.2%
0-60°	3,482	75.6%
0-80°	4,485	97.4%
0-90°	4,605	100.0%
90-180°	0	0.0%
0-180°	4,605	100.0%



COMPATIBLE EMERGENCY DRIVERS*

Emergency Driver Part Number	EM8 / EC8		EM12 / EC12		EM16 / EC16		EM20 / EC20		EM24 / EC24		Runtime
Model	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens	
CB22-3L-xxK-PRM	5.0	650	7.8	1020	10.7	1390	13.7	1780	17.0	2210	90 MINS.
CB24-5L-35K-PRM	5.0	650	7.8	1020	10.7	1390	13.7	1780	17.0	2210	90 MINS.

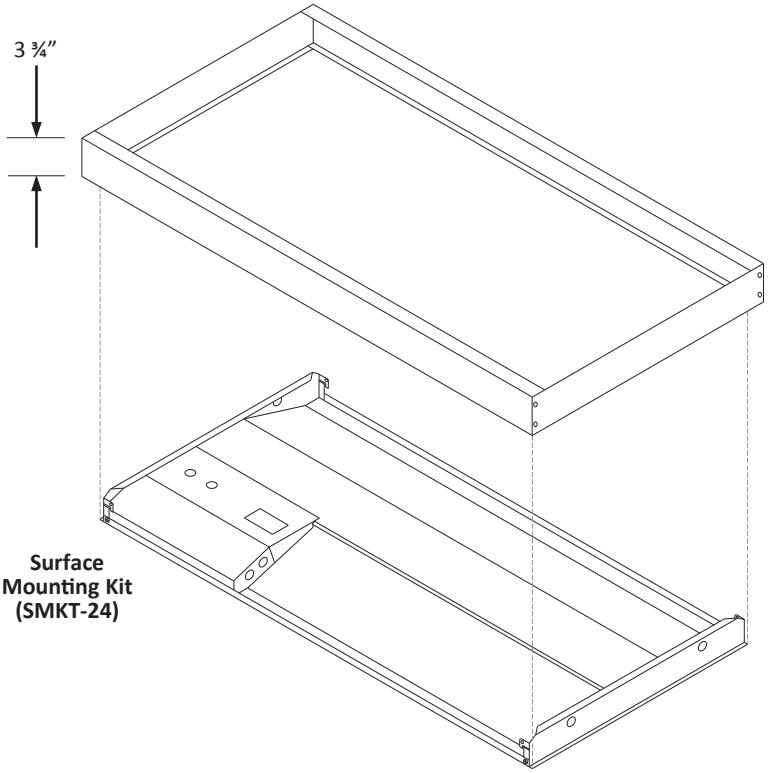
* Suitable for ambient above 0°C (32°F)

COMPATIBLE DIMMERS

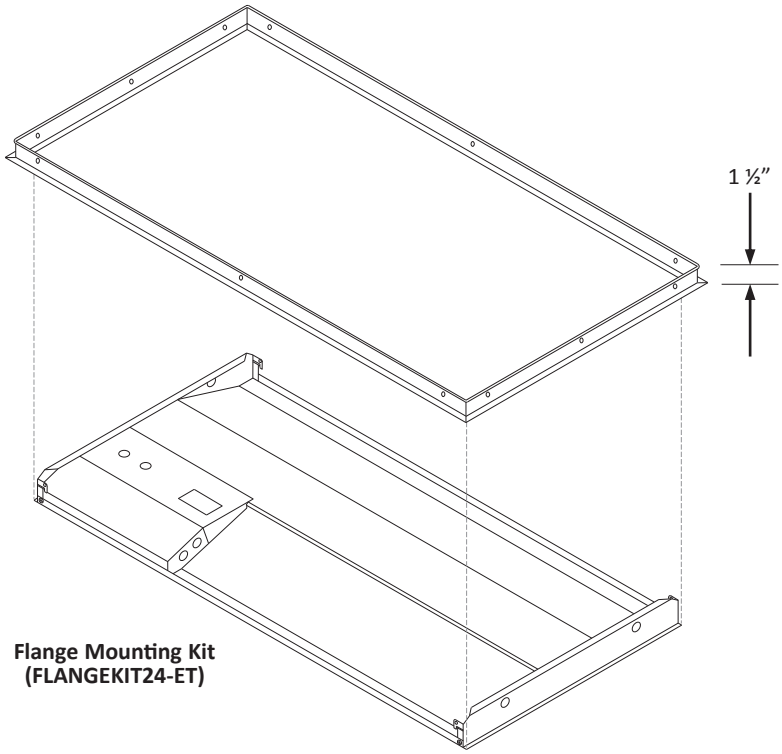
Manufacturer	Model Number	Dimming Range	Load Switching Capacity
Lutron	DVSTV	10%-100%	450W
Leviton	IP710-LFZ	10%-100%	1200W
General Protecht	DMD-LED3-102	10%-100%	600W

MOUNTING MEANS - ORDER SEPARATELY

- Optional surface mounting kits (SMKT-24) mounts below the ceiling.
- Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attach Flange Mount Kit (FLANGEKIT24-ET) to ceiling joists or other stationary structures, and the panel is mounted flush to the ceiling.
- Optional cable mounting kits provide additional security, as well as suspended mounting. Attach one end of the Cable Mount Kit (LEDPNL-CMK) to luminaire earthquake clips using spring clips, andattach the other end to stationary structures using the adjustable, locking ceiling attachment (see picture below right).

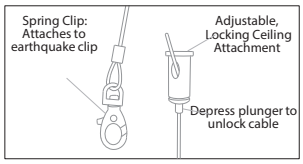


Surface Mounting Kit (SMKT-24)



Flange Mounting Kit (FLANGEKIT24-ET)

Cable Mounting Kit (LEDPNL-CMK)



Cable Mount Kit:
- Spring Clip
- Adjustable, locking ceiling attachment