COST LESS LIGHTING

05-CB24-6L-LKFS

CENTER BAKSET

LUMEN & KELVIN SELECTABLE

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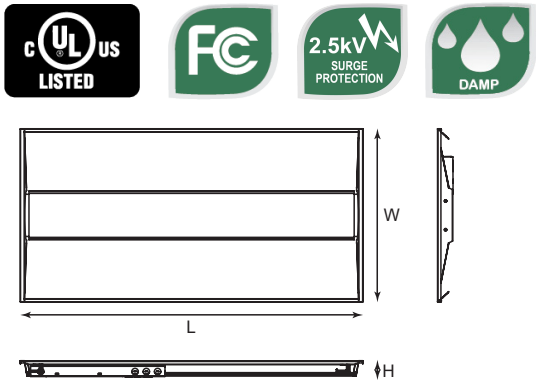
PROJECT	TYPE	CATALOG #



Model	Size (inches) & Weight (lbs)			
	L (in)	W (in)	H (in)	Weight
05-CB24-6L-LKFS (-ODS)	47.76	23.74	2.13	12.04

SERIES	NOMINAL LUMEN OUTPUT (Selectable)	KELVIN (Selectable)	EMERGENCY DRIVER	SENSOR
05-CB24	6L = 6,000 / 5,200 / 4,700	LKFS 35K / 4K / 5K	EM5 5W Emergency Driver EM10 10W Emergency Driver EM13 13W Emergency Driver Blank No Emergency Driver	ODS Factory installed Microwave Sensor Blank No Sensor

Specifications

Housing

- *Premium powder-coat,steel, white housing.*

Electrical

- *Operating temperature (ambient): -25°C to 50°C (-13°F to 122°F).*
- *Universal 120-277V AC voltage (50-60Hz) is standard.*
- *0-10VDC, continuous dimming capability drivers are standard.*
- *Emergency driver option available.*
- *Type IC rated for insulated ceilings.*
- *Inherently protected.*
- *Uniform illumination with no visible LED pixilation.*
- *Input transient surge protection = 2.5kV.*
- *Power factor > 0.90.*
- *Total Harmonic distortion < 20%.*

Optical System

- *PMMA (polymethyl methacrylate) frosted lens.*
- *Field selectable 3500k(warm white), 4000k (neutral white) and 5000k (cool white) color temperatures*.*
- *Provides a range of 4,700 to 6,000 nominal lumens*.*
- *Long-life LEDs provide 180,000 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)**.*
- *Optional Microwave Sensor (factory installed) .*
- *Remote control required for programming of sensor.*
- *LED color maintenance < -0.0012 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.*
- *Color rendering index > 80.*

Mounting***

- *Standard is recessed in grid. Fits in standard 2'x2' grid ceilings.*
- *Built-in earthquake clips provide secure installation in grid ceilings.*
- *Surface mounting and flange mount are optional.*
- *Optional Suspension mounting using cable mount kit and earthquake clips.*
- *Easy installation in new construction or retrofit.*

Code Compliance

- *cULus listed for damp locations.*
- *UL listed for maximum of 4. 12AWG through branch circuit conductor.*
- *Complies with FCC part 15, class A.*

Warranty

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

** Default kelvin temperature = 4000k and highest lumen output.*

***L_{70} & L_{90} hours are IES TM-21-11 calculated hours.*

****See accessories section for mounting accessories.*

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Accessories (order separately)

Sensor:

13-YM2301 = Ceiling Mount 360° PIR Sensor
13-OCC-VACSEN-WM-MV = Wall Switch With PIR OCC/VAC Sensor

07-HD05R = Remote control required for programming factory installed sensor(sold separately)

Default sensor settings: detection area =100%, hold time = 5 sec, daylight threshold = disabled, stand-by period = 0 sec, stand-by dimming level = 10%

Dimmer:

13-DWS-010-T = 0-10V Dimmer, Toggle Switch
13-DWS-**010-D** = 0-10V Dimmer, Decora Switch
13-IP710-DLZ = 0-10V Dimmer, Button Switch

Mounting Option:

05-SMKT-24 = Compatible Surface Mount Kit for CB24-6L-LKFS.
05-LEDPNL-RMKT24 = Compatible Recessed Flange Mount Kit for CB24-6L-LKFS.
05-**PNL**-CM = Set Of (4) 1 Meter Cables For Suspending CB22-4L-LKFS and CB24-6L-LKFS.

Remote Mount EM Drivers:

03-BLEM-CP-5C = 5W Emergency Driver W/Conduit and Test Button
03-BLEM-CP-10C = 10W Emergency Driver W/Conduit and Test Button
03-BLEM-CP-13C= = 13W Emergency Driver W/Conduit and Test Button

Compatible Emergency Driver - installed

Emergency Driver Part Number	EM5		EM10		EM13	
Model	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens
05-CB24-6L-LKFS (-ODS)	5	650	10	1300	13	1690

Compatible Dimmers & Controls

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

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Electrical Data

Series	Mea-sure-ments	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
05-CB24-6L-LKFS	Lumens	4,530	4,670	4,573	4,997	5,174	5,055	5,752	5,974	5,792
	Watts	33.11	32.15	33.3	37.12	35.96	37.36	43.91	42.37	44.18
	Efficacy	136.81	145.26	137.33	134.62	143.88	135.31	131.00	141.00	131.10
	Input Current (A)	120V = 0.28	120V = 0.27	120V = 0.28	120V = 0.31	120V = 0.30	120V =0.31	120V = 0.37	120V = 0.35	120V = 0.37
		240V = 0.14	240V = 0.13	240V = 0.14	240V = 0.15	240V = 0.15	240V = 0.16	240V = 0.18	240V = 0.18	240V = 0.18
		277V = 0.12	277V = 0.12	277V = 0.12	277V = 0.13	277V = 0.13	277V = 0.13	277V = 0.16	277V = 0.15	277V = 0.16

Photometric Data

05-CB24-6L-LKFS (-ODS)

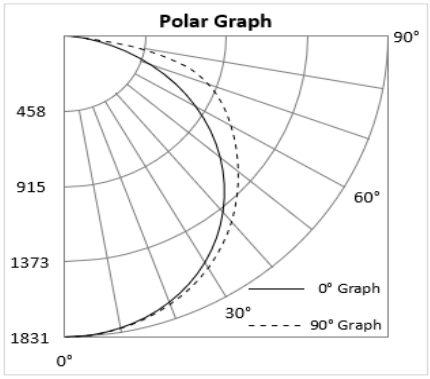
Luminaire Data

Description	2X4 Center Basket Lumen and Kelvin Select
Total Lumens	5,675
Input Wattage	42
Efficacy (lm/W)	134
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.34

**Represents performance when set to 4000k and highest lumen output.*

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	641	11.3%
0-30°	1,374	24.2%
0-40°	2,279	40.2%
20-50°	2,609	46.0%
40-70°	2,680	47.2%
0-60°	4,175	73.6%
0-80°	5,512	97.1%
0-90°	5,675	100.0%
90-180°	0	0.0%
0-180°	5,675	100.0%



Plugs and Cords

When ordering a plug, use the following suffix choices.

Example: 05-CB24-6L-LKFS-6W3

Note: Cords & plugs do not affect the ability to install sensors.

Part number suffix	Description	For use with
6W3	6' whip - 3 conductor (black/white/green)	Standard & UNC
6W4	6' whip - 4 conductor (black/white/green/red)	EM driver
6W5	6' whip - 5 conductor (black/white/green/purple/pink)	Dimming (standard & UNC)
6W6	6' whip - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver

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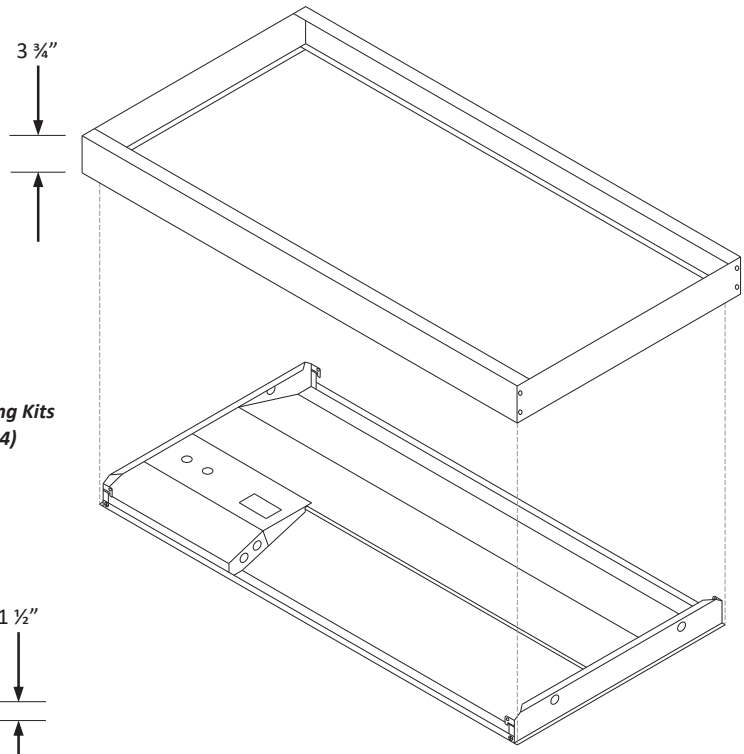
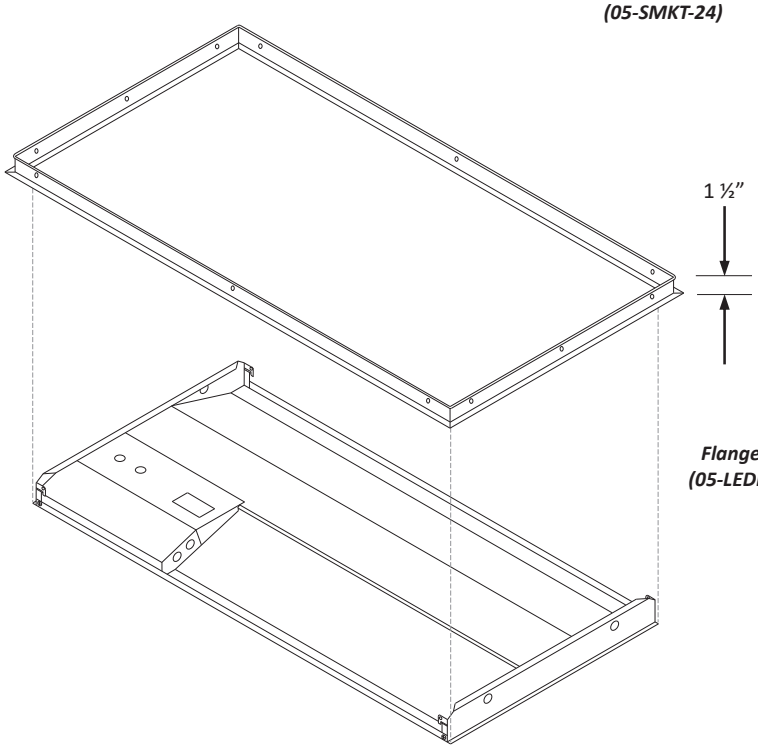
Mounting Means - Order Separately

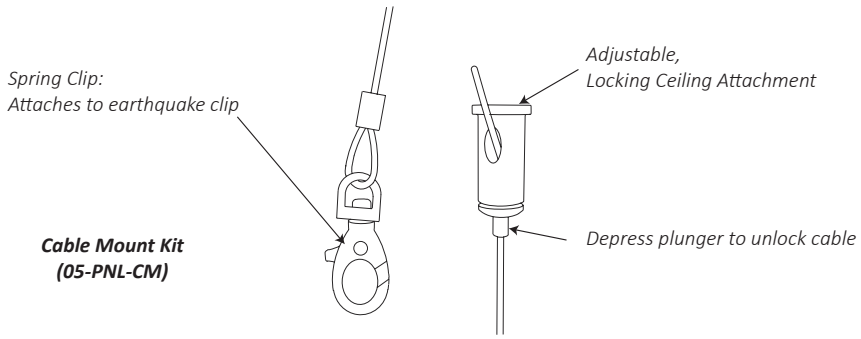
- *Optional Surface Mounting Kit (05-SMKT-24) mounts below the ceilings.*
- *Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attached Flange Mount Kit (05-LEDPNL-RMKT24) to ceiling joists or other stationary structures, and the panel is mounted flush to the ceiling.*
- *Optional cable mounting kits provide additional security, as well as suspended mounting. Attach one end of the Cable Mount Kit (05-PNL-CM) to luminaire earthquake clips using spring clips, and attach the other end to stationary structures using the adjustable, locking ceiling attachment (see picture below right).*



Surface Mounting Kits (05-SMKT-24)



Flange Mount Kit (05-LEDPNL-RNKT24



Cable Mount Kit (05-PNL-CM)