

| Job Name: |  |
|-----------|--|
| Туре:     |  |
| Part #:   |  |
| Notes:    |  |

# ECB24 Center Basket – 2X4

STANDARD













## **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 (L<sub>70</sub>).\*\*
- 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%.</li>
- Color rendering index (R<sub>a</sub>) ≥ 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.

## 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

| Series | Nominal<br>Lumens | Color<br>Temperature |                         | DLC | 00           | ccupancy Sensor <sup>1</sup>        |   | nergency<br>Driver  |
|--------|-------------------|----------------------|-------------------------|-----|--------------|-------------------------------------|---|---|
| ECB24  | 5L                |                      |                         | PRM |              |                                     |   |   |
|        | 5,000 lm          | 35K<br>4K<br>5K      | 3500K<br>4000k<br>5000k |     | ODS<br>Blank | Microwave<br>No occupancy<br>sensor | EM8<br>EM12<br>EM16<br>EM20<br>EM24<br>EC8<br>EC12<br>EC16<br>EC20<br>EC24<br>Blank | 800 lumens 1,200 lumens 1,600 lumens 2,000 lumens 2,400 lumens 800 lumens 1,200 lumens 2,000 lumens 2,000 lumens 2,400 lumens |



Weight: 18 lbs.

2 3/4"

47 3/4"



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## **ELECTRICAL DATA**

| Model            | Color | CRI <sup>1</sup> | Luminaire | Luminaire | Lumens   | Input<br>Voltage | Input | Curre | nt (A) | Power<br>Factor | THD <sup>2</sup> | L <sub>70</sub><br>Hours <sup>3</sup> |
|------------------|-------|------------------|-----------|-----------|----------|------------------|-------|-------|--------|-----------------|------------------|---------------------------------------|
| Wiodei           | Temp. | CKI              | Lumens    | Watts     | Per Watt |                  | 120V  | 240V  | 277V   |                 |                  |                                       |
| ECB24-5L-35K-PRM | 3500k | > 80             | 4,538     | 33        | 137      | 120-277V         | 0.28  | 0.14  | 0.12   | > 90%           | < 20%            | 144,000                               |
| ECB24-5L-4K-PRM  | 4000k | > 80             | 4,562     | 33        | 138      | 120-277V         | 0.28  | 0.14  | 0.12   | > 90%           | < 20%            | 144,000                               |
| ECB24-5L-5K-PRM  | 5000k | > 80             | 4,605     | 33        | 139      | 120-277V         | 0.28  | 0.14  | 0.12   | > 90%           | < 20%            | 144,000                               |

 $<sup>^{1}</sup>$  Color rendering index

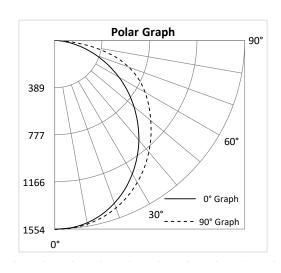
## **PHOTOMETRIC DATA**

## ECB24-5L-5K-PRM

## **Luminaire Data**

| Description                 | 2X4 LED Center Basket<br>5L, 5K |
|-----------------------------|---------------------------------|
| Total Lumens                | 4,605                           |
| Input Wattage               | 33                              |
| Efficacy (Im/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 |              | B EM12 / EC12 |              | EM16 / EC16 |              | EM20 / EC20 |              | EM24 / EC24 |              | Dtime    |
|------------------------------|-----------|--------------|---------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|----------|
| Model                        | Watts     | EM<br>Lumens | Watts         | EM<br>Lumens | Watts       | EM<br>Lumens | Watts       | EM<br>Lumens | Watts       | EM<br>Lumens | Runtime  |
| ECB22-3L-xxK-PRM             | 5.0       | 650          | 7.8           | 1020         | 10.7        | 1390         | 13.7        | 1780         | 17.0        | 2210         | 90 MINS. |
| ECB24-5L-35K-PRM             | 5.0       | 650          | 7.8           | 1020         | 10.7        | 1390         | 13.7        | 1780         | 17.0        | 2210         | 90 MINS. |

## **COMPATIBLE DIMMERS**

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

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<sup>&</sup>lt;sup>2</sup> Total harmonic distortion

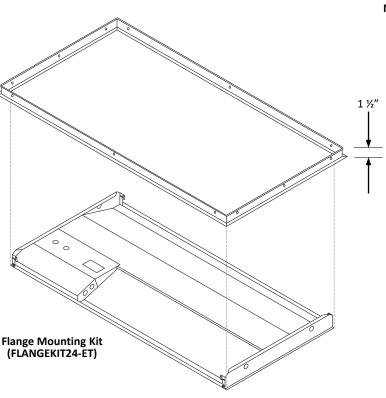
 $<sup>^3</sup>$  L $_{70}$  refers to the number of hours at which lumen output declines to 70% of the initial level. L $_{70}$  hours are IES TM-21-11 calculated hours.

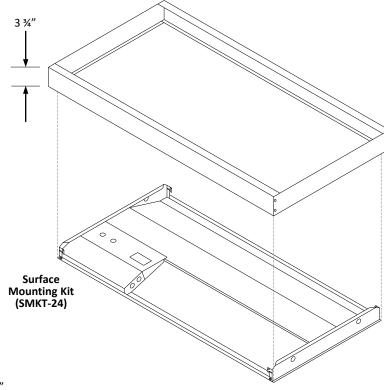


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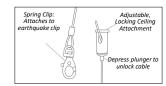
## **MOUNTING MEANS – ORDER SEPERATATLY**

- 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, and attach the other end to stationary structures using the adjustable, locking ceiling attachment (see picture below right).





#### Cable Mounting Kit (LEDPNL-CMK)



#### Cable Mount Kit:

- Spring Clip
- Adjustable, locking ceiling attachment