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# 10-PNLSR24

## 2X4 BACK-LIT LED PANEL FIELD SELECTABLE & SENSOR READY

### HOUSING
- White power-coated steel housing.

### ELECTRICAL
- High ambient operating temperature up to 50°C.
- Universal 120-277V AC voltage (50-60Hz).
- 0-10VDC dimming driver.
- Input transient surge protection =1kV.
- Optional Emergency drivers are available.
- Type IC-rated.
- Power Factor > 0.9
- Total Harmonic Distortion < 20%.

### OPTICAL SYSTEM
- Efficacy up to 145 Lumens per Watt.
- Field selectable 3000K, 3500K, 4000K, 5000K, and 6500K color temperatures.*
- Selectable output delivers from 3,820 to 5,347 nominal lumens, with 3 settings.*
- Long-life LEDs provide 175,000 hours of operation with at least 70% of initial lumen output (L70), and 53,000 hours with at least 90% of initial lumen output (L90).**
- Sensor-ready receptacle comes standard. Push-in sensor and remote control sold separately.
- LED color maintenance < 0.0008 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.
- Plastic lens.
- Color Rendering Index > 80.

### MOUNTING
- Recessed mounting in grid ceilings is standard.
- Standard earthquake clips provide secure installation in grid ceilings.
- Optional Surface Mounting Kits (10-SMKT-24S) and Flange Mounting Kits (10-FLANGEKIT24-ET) provide for installation on plaster or other hard ceilings.
- Optional Cable Mounting Kits (10-PNL-CM) provide additional security, as well as suspended mounting.

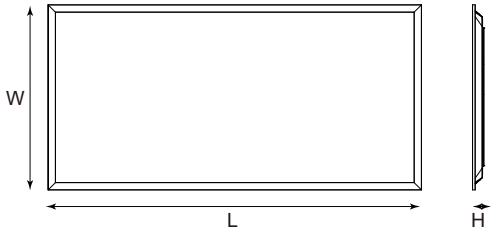
### CODE COMPLIANCE
- cULus listed for damp locations and insulated ceilings.
- Flicker-free per IEEE 1789-2015 (no observable adverse effects of flicker at 100% light output level).
- Complies with FCC Part 15, Class B.
- Inherently protected.
- IP6X rated for ingress protection.

### WARRANTY
- 5-year warranty on all electronics and housing.

*Factory default kelvin temperature 4000K, and highest lumen output.
**L70 and L90 hours are IES TM-21-11 calculated hours.








| Model | Size (inches) & Weight (lbs) | | | |
|---|---|---|---|---|
| | L (in) | W (in) | H (in) | Weight |
| 10-PNLSR24-543L-5CCT | 47.76 | 23.74 | 1.38 | 7.67 |

CERTIFIED · FC · DAMP · 1kV SURGE PROTECTION · IP6X · BLUEZONE LIGHTING CONTROLS

## PRODUCT PARAMETERS

| SERIES | NOMINAL LUMEN OUTPUT (SELECTABLE) | KELVIN (SELECTABLE) | EMERGENCY DRIVER |
|---|---|---|---|
| 10-PNLSR24 | 543L = 5,000 / 4,000 / 3,000 Lumens | 5CCT = 3000K/ 3500K/ 4000K / 5000K/ 6500K | Blank = No Emergency Drive<br>EM5 = 5W Emergency Driver<br>EM9 = 9W Emergency Driver<br>EM10 = 10W Emergency Driver<br>EM13 = 13W Emergency Driver<br>EM15 = 15W Emergency Driver |

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## ACCESSORIES (order separately)

**Sensor:**

| | | |
| --- | --- | --- |
| 22-HD08VR-P-1 | = | Passive infrared sensor - maximum mounting height = 14 FT, 0-10V step dim, RCA |
| 22-HD08VR-M-1 | = | Microwave occupancy sensor - maximum mounting height = 13 FT, 0-10V step dim, RCA |
| 22-ANT-1P-5T-BLE-GE | = | BlueZone™ Blutooth® PANEL PIR sensor, 120-277V, 0-10V step dim, daylight threshold, maximum mouting height = 39 FT, RCA |
| 22-ANT-1M-5T-BLE-GE | = | BlueZone™ Blutooth® PANEL microwave occupancy sensor, 120-277V, 0-10V step dim, daylight threshold, maximum mouting height = 49 FT, RCA |

**Factory settings for Sensor : detection area =100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled**

**Mounting Option:**

| | | |
| --- | --- | --- |
| 10-SMKT-24S | = | Surface Mount Kit for 2X4 Back-lit Panel. |
| 10-FLANGEKIT24-ET | = | Recessed Flange Mount Kit for 2X4 Back-lit Panel. |
| 10-PNL-CM | = | Cable Mount Kit for Back-lit Panel. |

**Remote Mount EM Drivers:**

| | | |
| --- | --- | --- |
| 03-BLEM-CP-5C | = | 5W Emergency Driver |
| 03-BLEM-CP-10C | = | 10W Emergency Driver |
| 03-BLEM-CP-13C | = | 13W Emergency Driver |

## COMPATIBLE EMERGENCY DRIVERS - INSTALLED

| Emergency Driver Part Number | EM5 | | EM9 | | EM10 | | EM13 | | EM15 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Watts** | **EM Lumens** | **Watts** | **EM Lumens** | **Watts** | **EM Lumens** | **Watts** | **EM Lumens** | **Watts** | **EM Lumens** |
| 10-PNLSR24-543L-5CCT | 5 | 675 | 9 | 1215 | 10 | 1350 | 13 | 1755 | 15 | 2025 |

## 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 |

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## 2X4 BACK-LIT LED PANEL FIELD SELECTABLE & SENSOR READY

## ELECTRICAL DATA

| Series | Measure-ments | | 5L | | | | | 4L | | | | | 3L | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3000K | 3500K | 4000K | 5000K | 6500K | 3000K | 3500K | 4000K | 5000K | 6500K | 3000K | 3500K | 4000K | 5000K | 6500K |
| 10-PNLSR24-543L-5CCT | Lumens | | 5,239 | 5,266 | 5,368 | 5,411 | 5,347 | 4,691 | 4,725 | 4,810 | 4,850 | 4,802 | 3,820 | 3,868 | 3,932 | 3,969 | 3,948 |
| | Watts | | 39.7 | 39.1 | 38.5 | 39.1 | 39.8 | 34.8 | 34.3 | 33.8 | 34.3 | 34.9 | 27.4 | 27.1 | 26.8 | 27.1 | 27.5 |
| | Efficacy | | 131.9 | 134.8 | 139.6 | 138.4 | 134.2 | 135.0 | 137.8 | 142.3 | 141.3 | 137.5 | 139.4 | 142.8 | 146.8 | 146.5 | 143.5 |
| | Input Current (A) | 120V | 0.33 | 0.33 | 0.32 | 0.33 | 0.33 | 0.29 | 0.29 | 0.28 | 0.29 | 0.29 | 0.23 | 0.23 | 0.22 | 0.23 | 0.23 |
| | | 240V | 0.17 | 0.16 | 0.16 | 0.16 | 0.17 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| | | 277V | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.12 | 0.12 | 0.12 | 0.13 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |

## PHOTOMETRIC DATA

**10-PNLSR24-543L-5CCT**

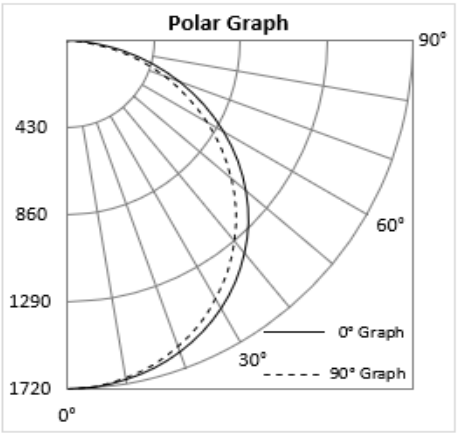
**Luminaire Data**

| | |
|---|---|
| Description | Back Lit Panel 2X4 Lumen and Kelvin Select |
| Total Lumens | 5,368 |
| Input Wattage | 38 |
| Efficacy (lm/W) | 140 |
| Spacing Criterion (0-180°) | 1.32 |
| Spacing Criterion (90-270°) | 1.28 |

*Photometrics generated @4000k and highest lumen output.

**Zonal Lumen Summary**

| Zone | Lumens | %Fixt |
|---|---|---|
| 0-20° | 634 | 11.8% |
| 0-30° | 1,358 | 25.3% |
| 0-40° | 2,249 | 41.9% |
| 20-50° | 2,569 | 47.9% |
| 40-70° | 2,546 | 47.4% |
| 0-60° | 4,091 | 76.2% |
| 0-80° | 5,229 | 97.4% |
| 0-90° | 5,362 | 99.9% |
| 90-180° | 6 | 0.1% |
| 0-180° | 5,368 | 100.0% |



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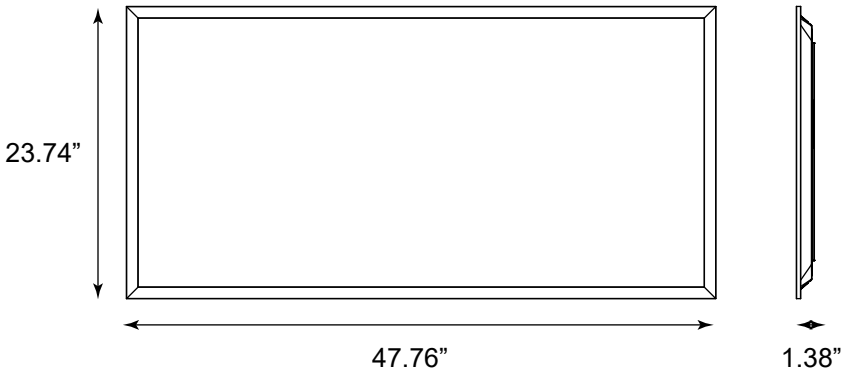
## 2X4 BACK-LIT LED PANEL FIELD SELECTABLE & SENSOR READY

## BRANCH WIRING OPTIONS

When ordering a cord, use the following suffix choices.
Example: 10-PNLSR24-543L-5CCT-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 |
| 6W4 | 6’ whip - 4 conductor (black/white/green/red) | EM driver |
| 6W5 | 6’ whip - 5 conductor (black/white/green/purple/pink) | Dimming (standard) |
| 6W6 | 6’ whip - 6 conductor (black/white/green/red/purple/pink) | Dimming & EM driver |

## DIMENSIONAL DRAWINGS



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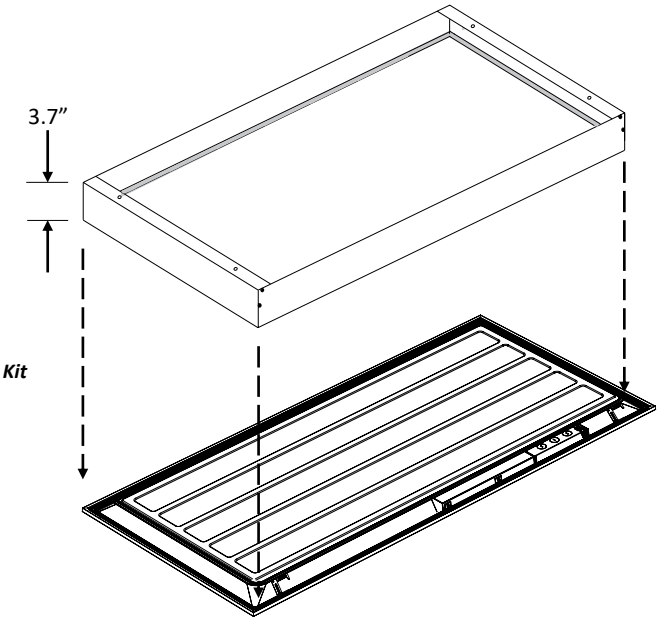
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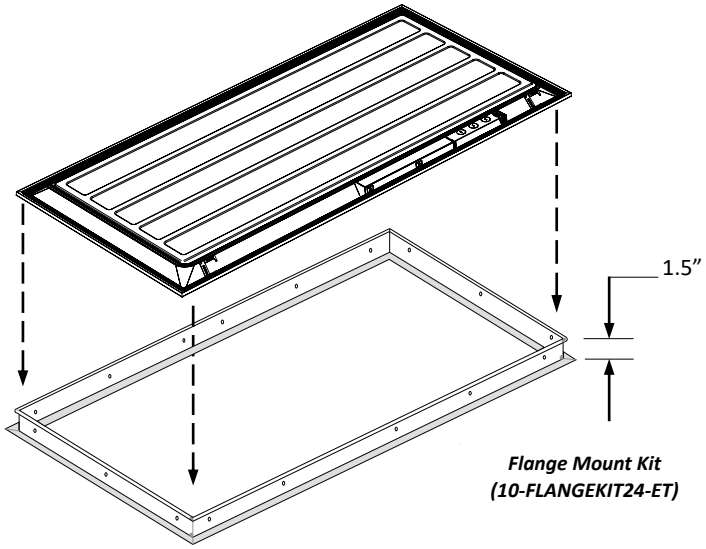
## 2X4 BACK-LIT LED PANEL FIELD SELECTABLE & SENSOR READY

## MOUNTING MEANS-ORDER SEPARATELY

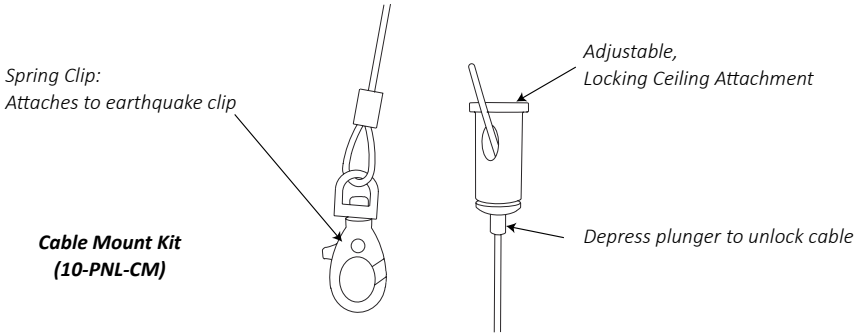
- Optional surface mounting kit (10-SMKT-24S) mounts below the ceilings.
- Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attached flange mount kit (10-FLANGEKIT24-ET) to ceiling joists or other stationary structures, and the panel is mounted flush to the ceiling.
- Optional cable mounting kits provide additonal security, ad well as suspended mounting. Attach one end of the cable mount kit (10-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 Kit (10-SMKT-24S)***




***Flange Mount Kit (10-FLANGEKIT24-ET)***




***Cable Mount Kit (10-PNL-CM)***