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| TYPE      |
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| CATALOG # |
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# 10-PNLSR22

2X2 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 145 Lumens per Watt.
- Field selectable 3000K, 3500K, 4000K, 5000K, and 6500K color temperatures.\*
- Selectable output delivers from 2,660 to 4,084 nominal lumens, with 3 settings.\*
- 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).\*\*
- Sensor-ready receptacle comes standard. Push-in sensor and remote control sold separately.
- LED color maintenance < 0.0007 chromaticity shift ( $\Delta u'v'$ ) 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-22S) and Flange Mounting Kits (10-FLANGEKIT22-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

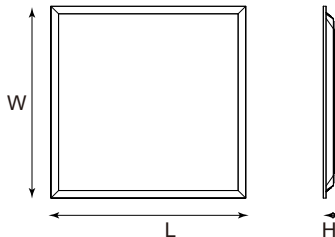
- cULus listed for damp locations and insulated ceilings.
- Flicker-free per IEEE 1789-2015 (no observable adverse effects of flicker at 100% light output level).
- Complies with FCC Part 15, Class B.
- Inherently protected.
- IP6X rated for ingress protection.

## 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-PNLSR22-432L-5CCT | 23.74                        | 23.74  | 1.38   | 4.11   |



## PRODUCT PARAMETERS

| SERIES     | NOMINAL LUMEN OUTPUT (SELECTABLE)   | KELVIN (SELECTABLE)                     | EMERGENCY DRIVER                                                                                                                                                      |
|------------|-------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10-PNLSR22 | 432L = 4,000 / 3,000 / 2,000 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™ Bluetooth® PANEL PIR sensor, 120-277V, 0-10V step dim, daylight threshold, maximum mounting height = 39 FT, RCA
- 22-ANT-1M-5T-BLE-GE = BlueZone™ Bluetooth® PANEL microwave occupancy sensor, 120-277V, 0-10V step dim, daylight threshold, maximum mounting 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-22S = Surface Mount Kit for 2X2 Back-lit Panel.
- 10-FLANGEKIT22-ET = Recessed Flange Mount Kit for 2X2 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-PNLSR22-432L-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 | GPDM LV-02-3 | Toggle | 10%-100%     | 600W                    |
| Best Lighting | GPDM LV-12-3 | Decora | 10%-100%     | 600W                    |
| Leviton       | IP710-LFZ    | Toggle | 10%-100%     | 1200W                   |
| Lutron        | DVSTV        | Decora | 10%-100%     | 450W                    |

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## ELECTRICAL DATA

| Series               | Measure-ments     | 4L    |       |       |       |       | 3L    |       |       |       |       | 2L    |       |       |       |       |
|----------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                      |                   | 3000K | 3500K | 4000K | 5000K | 6500K | 3000K | 3500K | 4000K | 5000K | 6500K | 3000K | 3500K | 4000K | 5000K | 6500K |
| 10-PNLSR22-432L-5CCT | Lumens            | 3,885 | 3,978 | 4,058 | 4,084 | 4,037 | 3,473 | 3,569 | 3,637 | 3,663 | 3,629 | 2,660 | 2,722 | 2,766 | 2,788 | 2,775 |
|                      | Watts             | 29.4  | 29.1  | 28.6  | 29.1  | 29.5  | 25.8  | 25.5  | 25.1  | 25.5  | 25.8  | 19.0  | 18.8  | 18.6  | 18.8  | 19.0  |
|                      | Efficacy          | 132.1 | 136.9 | 141.7 | 140.5 | 136.9 | 134.8 | 140.2 | 144.7 | 143.8 | 140.7 | 140.1 | 144.7 | 148.5 | 148.2 | 145.7 |
|                      | Input Current (A) | 120V  | 0.25  | 0.24  | 0.24  | 0.25  | 0.21  | 0.21  | 0.21  | 0.21  | 0.22  | 0.16  | 0.16  | 0.16  | 0.16  | 0.16  |
|                      |                   | 240V  | 0.12  | 0.12  | 0.12  | 0.12  | 0.11  | 0.11  | 0.10  | 0.11  | 0.11  | 0.08  | 0.08  | 0.08  | 0.08  | 0.08  |
|                      |                   | 277V  | 0.11  | 0.10  | 0.10  | 0.10  | 0.09  | 0.09  | 0.09  | 0.09  | 0.09  | 0.07  | 0.10  | 0.10  | 0.10  | 0.10  |

## PHOTOMETRIC DATA

### 10-PNLSR22-432L-5CCT

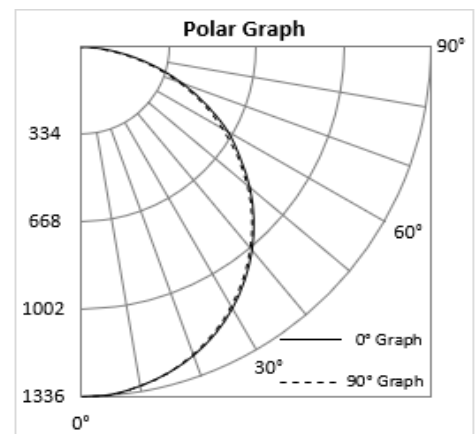
#### Luminaire Data

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Description                 | Back Lit Panel 2X2<br>Lumen and Kelvin Select |
| Total Lumens                | 4,058                                         |
| Input Wattage               | 29                                            |
| Efficacy (lm/W)             | 142                                           |
| Spacing Criterion (0-180°)  | 1.3                                           |
| Spacing Criterion (90-270°) | 1.28                                          |

\*Photometrics generated  
@4000k and highest  
lumen output.

#### Zonal Lumen Summary

| Zone    | Lumens | %Fixt  |
|---------|--------|--------|
| 0-20°   | 492    | 12.1%  |
| 0-30°   | 1,052  | 25.9%  |
| 0-40°   | 1,735  | 42.8%  |
| 20-50°  | 1,963  | 48.4%  |
| 40-70°  | 1,907  | 47.0%  |
| 0-60°   | 3,119  | 76.9%  |
| 0-80°   | 3,960  | 97.6%  |
| 0-90°   | 4,053  | 99.9%  |
| 90-180° | 5      | 0.1%   |
| 0-180°  | 4,058  | 100.0% |





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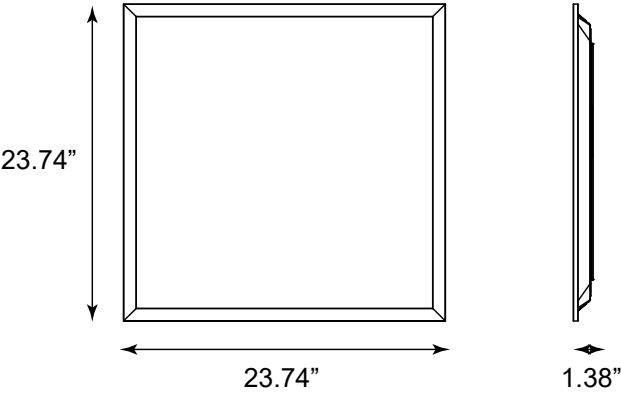
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## BRANCH WIRING OPTIONS

When ordering a plug, use the following suffix choices.  
Example: 10-PNLSR22-432L-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



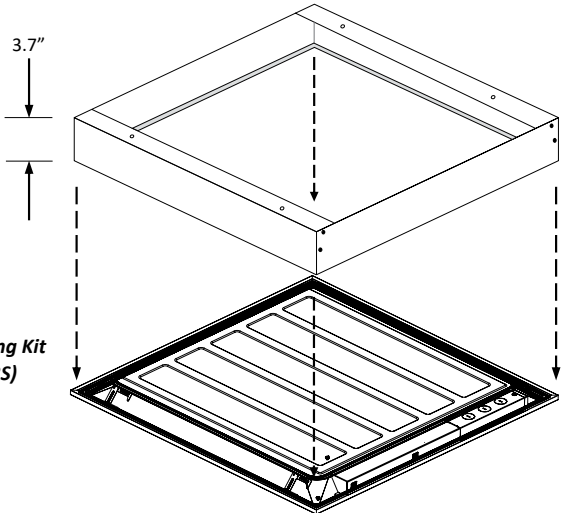
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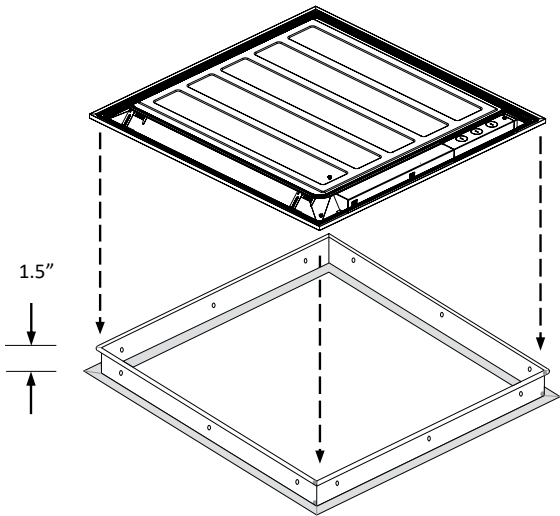
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## MOUNTING MEANS-ORDER SEPARATELY

- Optional surface mounting kit (10-SMKT-22S) mounts below the ceiling.
- Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attach the flange mount kit (10-FLANGEKIT22-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 (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 at the lower right).



Surface Mounting Kit  
(10-SMKT-22S)



Flange Mount Kit  
(10-FLANGEKIT22-ET)

Spring Clip:  
Attaches to earthquake clip

Cable Mount Kit  
(10-PNL-CM)

