CONTRACTOR LIGHTING & SUPPLY
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PROJECT
TYPE
CATALOG #

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 up to 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 (Δu'v') over the initial 6,000 hours of operation.
- Plastic lens.
- Color Rendering Index > 80.

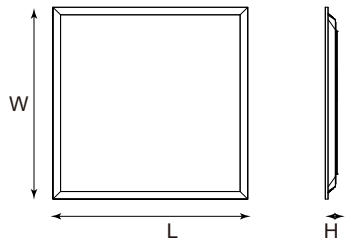
MOUNTING
- Recessed mounting in grid ceilings is standard.
- Standard earthquake clips provide secure installation in grid ceilings.
- Optional Surface Mounting Kits (10-SMKT-22S) and Flange Mounting Kits (10-FLANGEKIT22-ET) provide for installation on plaster or other hard ceilings.
- Optional Cable 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

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

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 EM5 = 5W Emergency Driver EM9 = 9W Emergency Driver EM10 = 10W Emergency Driver EM13 = 13W Emergency Driver 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-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	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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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	0.24	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	0.12	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	0.11	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

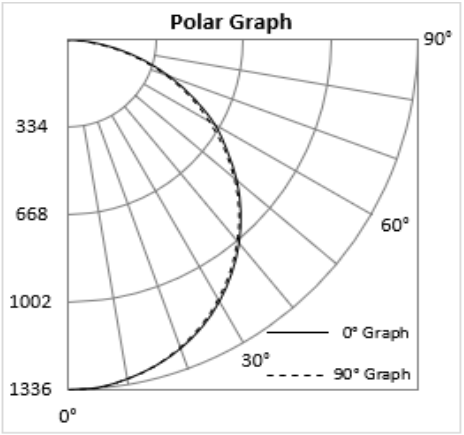
Luminaire Data

Description	Back Lit Panel 2X2 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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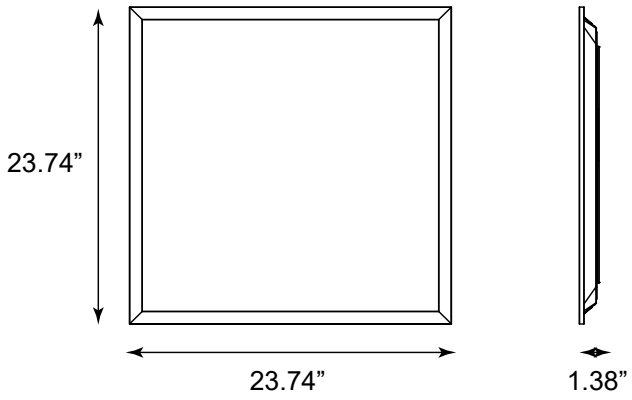
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BRANCH WIRING OPTIONS

When ordering a cord, 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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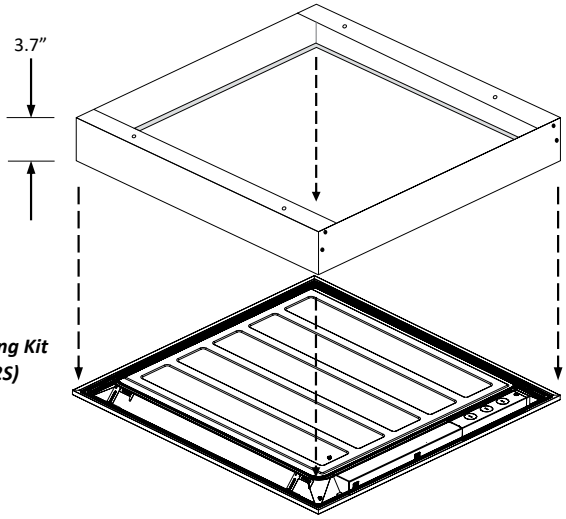
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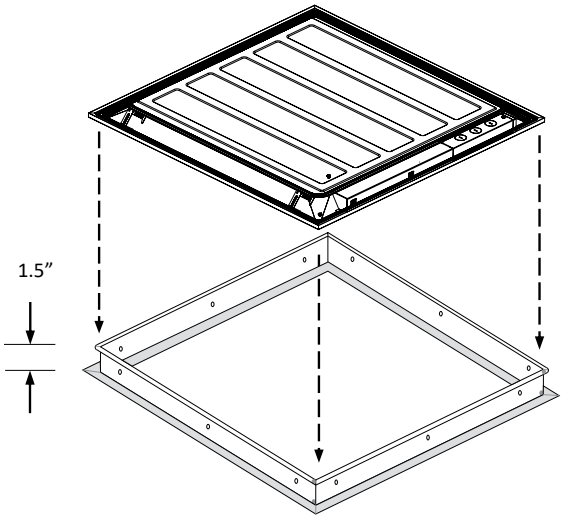
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MOUNTING MEANS-ORDER SEPARATELY

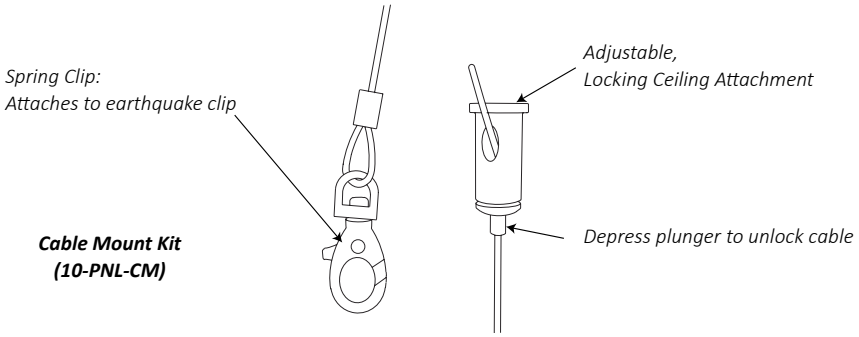
- Optional surface mounting kit (10-SMKT-22S) mounts below the ceiling.
- Optional flange mounting kits provide for recessed installation on plaster or other hard ceilings. Attach the flange mount kit (10-FLANGEKIT22-ET) to ceiling joists or other stationary structures, and the panel is mounted flush 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)



Cable Mount Kit (10-PNL-CM)