



RLP™ Series

Recessed LED Panel



DESCRIPTION

Typically used to replace traditional fluorescent lay in fixture. The RLP series is a next generation family of edge lite led flat panel fixtures designed to lay in drop ceilings in offices, schools, and healthcare Applications. The flat panels are fully dimmable, compatible with building controls, motion sensors, and daylight harvesting systems. The design of the RLP series panels produces an even and consistent shadow-less light. The LED's enable long life, high lumen maintenance, high CRI, low maintenance, and constructed without hazardous materials



Specification Features

Construction

Extruded aluminium housing with smooth opalescent acrylic lens. Lens design and materials provide uniform appearance without pixilation.

Certification

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DesignLights Consortium® (DLC) DLC qualified product. Not all models of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which models are qualified.

Warranty

5-year Limited Warranty. See warranty documentation for more information.

Electrical

Equipped standard with 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs.

Installation

Suitable for recessed mounting within T-Bar grid.

Options

Optional On/Off or Bi-Level Motion sensor, high voltage transformers, emergency battery backups, whips and cords.

RLP Series

1x4 and 2x2 Housing
40W (4400 Lumens)

2x4 Housing
50W (5500 Lumens)

Rated Life 60,000 hours
Limited Warranty 5 years
Efficacy up to 124.4 LPW
Continuous Dimming



Quick Ship

RLP-22-40-MVD-835
RLP-22-40-MVD-840
RLP-22-40-MVD-850
RLP-24-50-MVD-835
RLP-24-50-MVD-840
RLP-24-50-MVD-850

Ordering Information

Example: RLP-22-40-MVD-840-MOS

RLP	22	40	MVD	8	40
Series RLP Recessed LED Panel	Form Factor 14-1'x4" ¹ 22-2'x2" ² 24-2'x4" ²	Rated Wattage 1x4 and 2x2 Housing 40- 40W (4400 Lumens) ³ 2x4 Housing 50- 50W (5500 Lumens) ³	Driver Type MVD- 120-277V; 0-10V Dimming ³	CRI 8 80+ CRI	Color Temp 35 3500K ³ 40 4000K ³ 50 5000K ³
			Emergency Backup EML8 800lm EML16 1600lm	Controls MOSB- Integral Bi-Level Microwave Sensor MOS- Microwave Sensor, On/Off	Accessories FW3 6' 3 Wire Fixture Whip FW4 6' 4 Wire Fixture Whip FW312- 12' 3 Wire Fixture Whip

Specifications and Dimensions subject to change without notice.

Performance Summary

Input Voltage	120-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 124.4 lm/W
CRI	80+, R9 > 0
Available CCT ¹	3500K, 4000K, 5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 ³	> 72,000 hours or > 45,000
Power Factor	>0.99
THD	< 2.3%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-18°C to 40°C

Performance Data

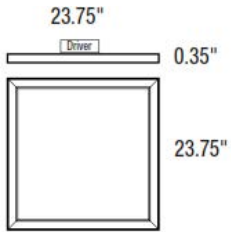
Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Frosted Acrylic	2x2	RLP-22-40-MVD-835	40.2W	4,682	116.4
	2x4	RLP-24-50-MVD-835	47.09W	5,861	124.4



Specifications and Dimensions subject to change without notice.

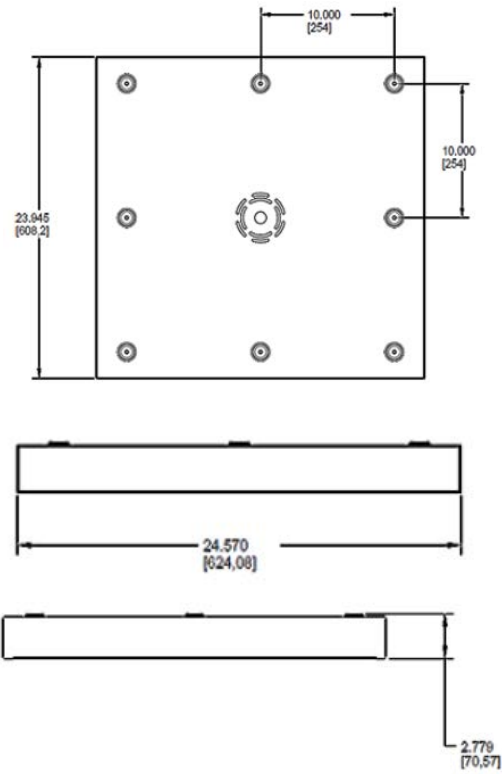
Product Dimensions

RLP-22

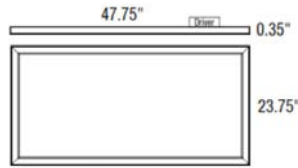


2' x 2' Edge-Lit LED Panel
 Width: 23.75"
 Length: 23.75"
 Height: 0.35"
 2.35" w/ Driver mounted

SM-RLP-22 (Surface Mount Accessory)

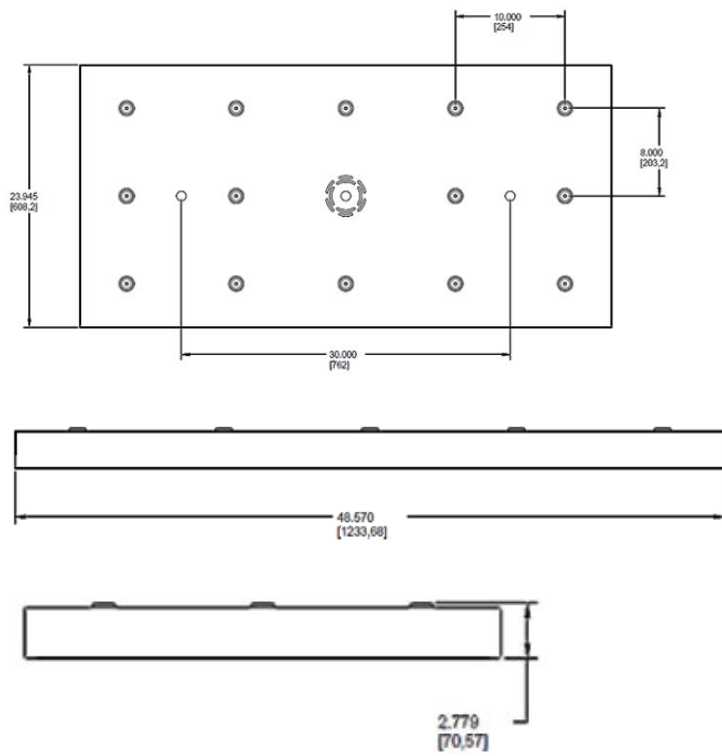


RLP-24



2' x 4' Edge-Lit LED Panel
 Width: 47.75"
 Length: 23.75"
 Height: 0.35"
 2.35" w/Driver mounted

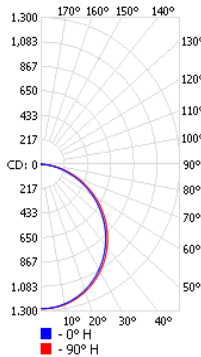
SM-RLP-24 (Surface Mount Accessory)



Photometric Data

RLP-22-40-MVD-835 Tested in accordance to IESNA LM-79

Coefficients of Utilization



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	998.9	27.10%	27.10%
0-40	1,637.90	44.40%	44.40%
0-60	2,901.60	78.70%	78.70%
60-90	781.1	21.20%	21.20%
0-90	3,682.70	99.90%	99.90%

Coefficients of Utilization

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50	
	70	50	30	0	70	50	30	0	50	30
RW %:	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11	1.11
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11	1.11
1	1.09	1.04	1	0.96	1.06	1.02	0.98	0.84	0.97	0.94
2	0.99	0.9	0.84	0.78	0.96	0.89	0.82	0.71	0.85	0.8
3	0.9	0.79	0.71	0.65	0.87	0.78	0.7	0.6	0.75	0.68
4	0.82	0.7	0.61	0.55	0.8	0.69	0.61	0.52	0.66	0.59
5	0.76	0.63	0.54	0.47	0.74	0.62	0.53	0.45	0.59	0.52
6	0.7	0.56	0.47	0.41	0.68	0.55	0.47	0.39	0.54	0.46
7	0.65	0.51	0.42	0.36	0.63	0.5	0.42	0.35	0.49	0.41
8	0.6	0.47	0.38	0.32	0.59	0.46	0.38	0.31	0.45	0.37
9	0.56	0.43	0.34	0.29	0.55	0.42	0.34	0.28	0.41	0.34
10	0.53	0.39	0.31	0.26	0.51	0.39	0.31	0.26	0.38	0.31

Accessory Options



Whips

- CH-3.5 36 in Chain Hanger Kit
- FW3 6' 3 Wire Fixture Whip with 1/2 Connector. in
- FW3-BL 6' 3 Wire Fixture Whip with 1/2 Connector (Black)
- FW3-M 6' 3 Wire Fixture Whip with 1/2 Connector (Metal)
- FW312 12' 3 Wire Fixture Whip with 1/2 Connector. in
- FW4 6' 4 Wire Flex/Whip_
- RS Rocker Switch
- SM-22 2x2 Surface Mount Shroud Kit for RLP, LTF Series Fixtures
- SM-24 2x4 Surface Mount Shroud Kit for RLP, LTF Series Fixtures



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