GlobaLux LIGHTING

Project	
Notes	
Type	Date
Cat. No.	

RLP™ Series — Edge Lit 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.

DLC QPL LISTED · **5 YEARS WARRANTY** *Terms and conditions apply* · **ETL LISTED**

RLP Series

1x4 and 2x2 Housing
40W (4900 Lumens)
2x4 Housing
50W (6000 Lumens)

Rated Life 60,000 hours
Limited Warranty 5 years
Efficacy ˜] Á¦ÁF22.5¦ÁSÚÝ
Continuous Dimming

CONTINUOUS DIMMING
0-10V Continuous

Quick Ship/ DLC Qualified

RLP-14-40-MVD-835
RLP-14-40-MVD-840
RLP-14-40-MVD-850
RLP-22-40-MVD-835
RLP-22-40-MVD-840
RLP-22-40-MVD-840-EML8
RLP-22-40-MVD-850
RLP-22-40-MVD-850-EML8
RLP-24-50-MVD-835
RLP-24-50-MVD-840
RLP-24-50-MVD-840-EML8
RLP-24-50-MVD-850
RLP-24-50-MVD-850-EML8

Specification Features

Construction
Extruded aluminum housing featuring a matte white finish with smooth opalescent acrylic lens. Lens design and materials provide uniform appearance without pixelation.

Qualifications
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) 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. Optional surface mounting, suspension and flange kit for drywall ceiling available.

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

Ordering Information

Example:RLP-22-40-MVD-840

RLP	22	40	MVD	8	40	
Series **RLP** Recessed LED Panel	**Form Factor** **14**-1'x4'' [3] **22**-2"x2"[3] **24**-2"x4"[3]	**Rated Wattage** **1x4 and 2x2 Housing** **40**- 40W (4900 Lumens)[3] **2x4 Housing** **50**- 50W (6000 Lumens)[3]	**Driver Type** **MVD**- 120-277V; 0-10V Dimming[3]	**CRI** **8** 80+ CRI[3]	**Color Temp** **35** 3500K [3] **40** 4000K[3] **50** 5000K [3]	

Options

Emergency Backup	Controls	Accessories	Mounting Accessories
EML8 800lm **EML16** 1600lm	**MOSB**- Integral Bi-Level Microwave Sensor **MOS**- Microwave Sensor, On/Off	**FW3** 6' 3 Wire Fixture Whip **FW4** 6' 4 Wire Fixture Whip **FW312**- 12' 3 Wire Fixture Whip	**SM-RLP-14**- 1'x4' Surface Mount Kit **SM-RLP-22**- 2'x2' Surface Mount Kit **SM-RLP-24**- 2'x4' Surface Mount Kit **FK-14**- 1'x4' Flange Kit **FK-22**- 2'x2' Flange Kit **FK-24**- 2'x4' Flange Kit

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	> 122.5 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

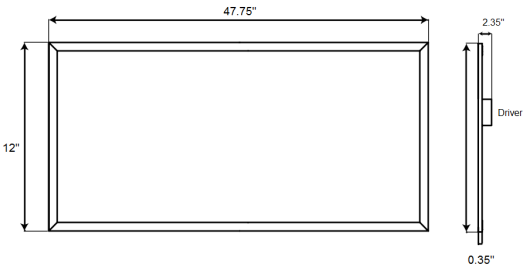| Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Frosted Acrylic	1x4	RLP-14-40-MVD-835	40W	4,900	122.5
		RLP-14-40-MVD-840	40W	4,900	122.5
		RLP-14-40-MVD-850	40W	4,900	122.5
	2x2	RLP-22-40-MVD-835	40W	4,900	122.5
		RLP-22-40-MVD-840	40W	4,900	122.5
		RLP-22-40-MVD-850	40W	4,900	122.5
	2x4	RLP-24-50-MVD-835	50W	6,000	120
		RLP-24-50-MVD-840	50W	6,000	120
		RLP-24-50-MVD-850	50W	6,000	120

NOTES:

[1] Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.

[2] DLC Listed

[3] DLC Premium Listed

[4] Quick ship: 3500K,4000K,500K. Other CCTs may require a lead time or be special order

[5] Typical color consistency. May vary or be changed.

[6] Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

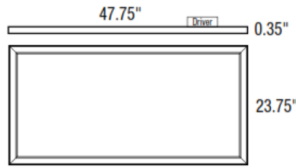**Specifications and Dimensions subject to change without notice.**

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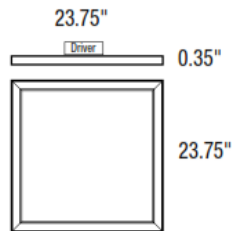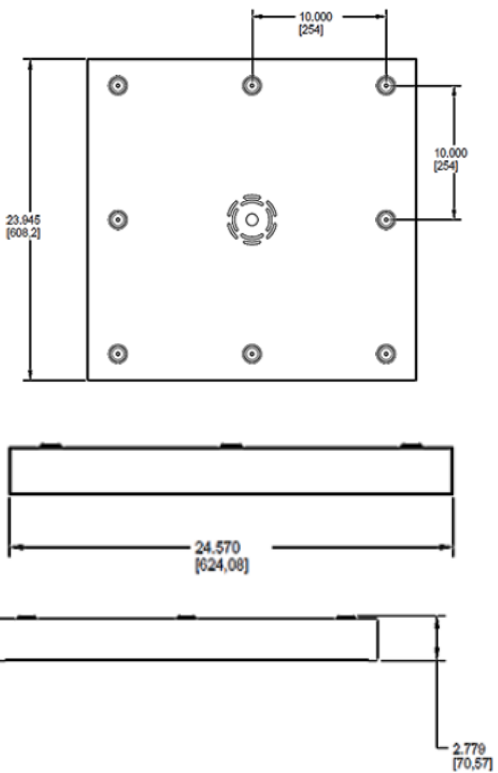## Product **Dimensions**

RLP-14

1' x 4' Edge-Lit LED Panel
Width: 12"
Length: 48"
Height: 0.35
2.35" w/Driver

RLP-24

2' x 4' Edge-Lit LED Panel
Width: 24"
Length: 48"
Height: 0.35"
2.35" w/Driver mounted

RLP-22

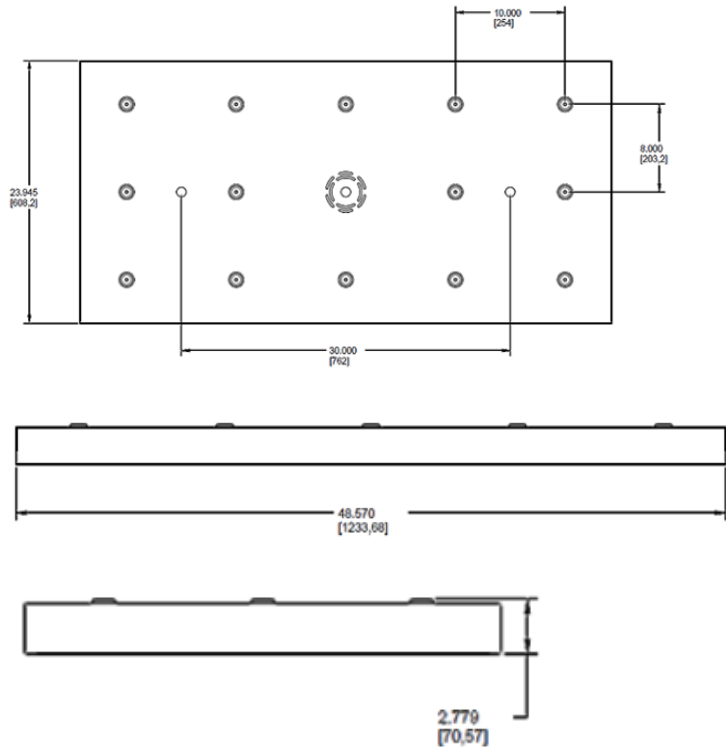### 2' x 2' Edge-Lit LED Panel
Width: 23.75"
Length: 23.75"
Height: 0.35"
2.35" w/ Driver mounted

SM-RLP-22 (Surface Mount Accessory)

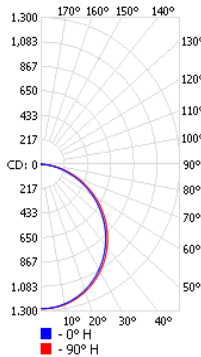**SM-RLP-24 (Surface Mount Accessory)**

Specifications and Dimensions subject to change without notice.

Photometric Data

RLP-22-40-MVD-835   Tested inaccordance to IESNA LM-79

Coefficients of Utilization

- ■ – 0° H
- ■ – 90° H

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	
RW %:	70	50	30	0	70	50	30	0	50	30
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 Seris Fixtures
SM-24	2x4 Surface Mount Shroud Kit for RLP, LTF Series Fixtures

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