



Project	
Notes	
Type	Date
Cat. No.	

LDR™ Series

LED Door Frame Retrofit

DESCRIPTION

The new GlobalLux LED LDR easily Retrofits existing 2x4 and 2x2 fluorescent troffers and parabolics to LED within minutes. The LDR adopts the latest in optical and LED technology for use in many commercial applications. The LDR provides a very pleasant volumetric soft light that fills any interior space giving it a larger, brighter, and more productive ambiance and will be the perfect fit for any commercial or institutional application. The LDR Series is fully dimmable and are compatible with building controls, motion sensors and daylight harvesting systems. The design of the LDR series panels produces an even, consistent shadow-less light. The LED's enable long life, high lumen maintenance and high CRI and are low maintenance and constructed without hazardous materials.



LDR Series

2x2 Housing

25W, 3,250 Lumens

2x4 Housing

34W, 4,420 Lumens

Specification Features



Construction

Rugged construction, solid die formed, cold-rolled steel housing. All surfaces powder coated after fabrication. Frosted acrylic diffuser provides even consistent light while reducing glare. 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) 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.

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. CCT adjustable at 3500K, 4000K 5000K.

Installation

Mounting brackets adapt the LDR to fit nearly all existing Troffers.

Warranty

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

Options

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

Rated Life 60,000 hours

Limited Warranty 5 years

Efficacy ~ 140 lm/W

Continuous Dimming



Quick Ship/ DLC Listed

LDR-22-25-MVD-835/40/50
LDR-24-34-MVD-835/40/50

Ordering Information

Example: LDR-22-25-MVD-835/40/50

LDR	22	40	MVD	8	30/40/50	
Series LDR LED Door Frame Retrofit	Form Factor 22- 2"x2" 24- 2"x4"	Rated Wattage 2x2 Housing 25- 25W (3,250 Lumens²) 2x4 Housing 34- 34W (4,420 Lumens²)	Driver Type MVD- 120-277V; 0-10V Dimming²	CRI 8 80+ CRI²	Color Temp 35/40/50- 3500/4000/5000	
			Emergency Backup EML8 800lm EML16 1600lm	Controls MOS- Integral Microwave Sensor OS- Fixture Mounted Occupancy Sensor MOSB-Bi-Level Microwave Sensor		

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	> 130 lm/W
CRI	80+, R9 > 0
Available CCT ¹	3500/4000/5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 ³	> 72,000 hours or > 45,000 >
Power Factor	0.94
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	LDR-22-25-MVD-835/40/50	25W	3,250	130
	2x4	LDR-24-34-MVD-835/40/50	34W	4,420	130

NOTES:

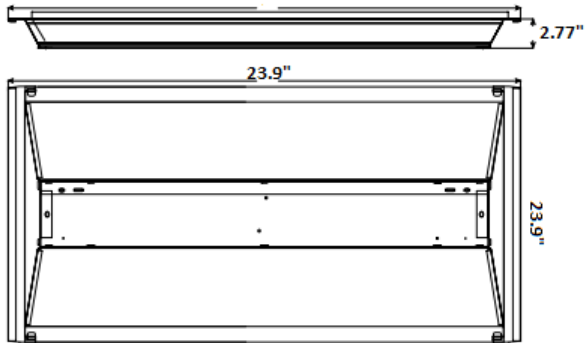
- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² DLC Listed
- ³ DLC Premium Listed
- ⁴ Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.



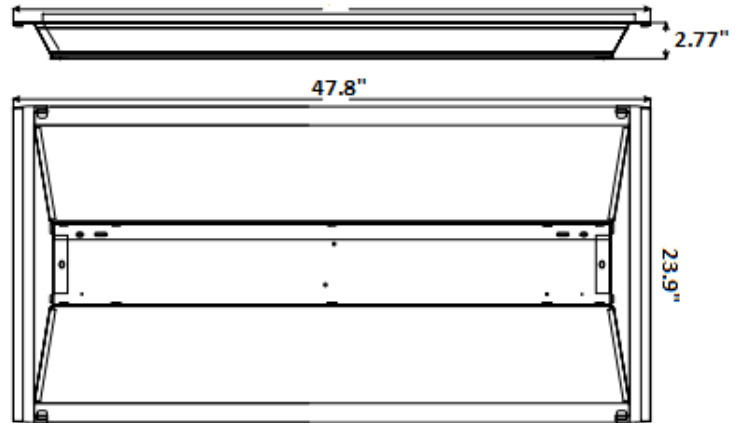
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Product Dimensions

LDR-22



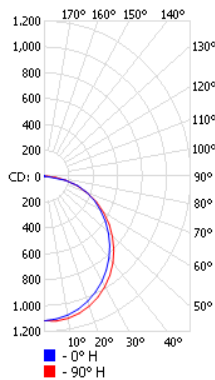
LDR-24



Photometric Data

LDR-22-34-MVD-835/40/50 Tested in accordance to IESNA LM-79

Polar Candela Curve



Lumen Zonal Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	874.2	25.50%	25.50%
0-40	1,438.30	42%	42%
0-60	2,589.00	75.60%	75.60%
60-90	824	24%	24.10%
0-90	3,413.10	99.60%	99.70%

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	1.08	1.03	0.98	0.94	1.05	1	0.96	0.83	0.96	0.93		
2	0.98	0.89	0.82	0.76	0.95	0.87	0.8	0.69	0.83	0.78		
3	0.89	0.78	0.69	0.63	0.86	0.76	0.68	0.58	0.73	0.66		
4	0.81	0.69	0.6	0.53	0.79	0.67	0.59	0.5	0.65	0.57		
5	0.74	0.61	0.52	0.45	0.72	0.6	0.51	0.43	0.58	0.5		
6	0.69	0.55	0.46	0.39	0.67	0.54	0.45	0.38	0.52	0.44		
7	0.64	0.5	0.41	0.35	0.62	0.49	0.4	0.33	0.47	0.4		
8	0.59	0.45	0.37	0.31	0.58	0.45	0.36	0.3	0.43	0.36		
9	0.55	0.42	0.33	0.28	0.54	0.41	0.33	0.27	0.4	0.32		
10	0.52	0.38	0.3	0.25	0.5	0.38	0.3	0.24	0.37	0.3		

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

GlobaLux
LIGHTING

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