



Project	
Notes	
Type	Date
Cat. No.	

LDR™ Series **LED Door Retrofit**

DESCRIPTION
 The new Globalux 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**
 - 40- 40W 3900 Lumens
 - 26-26W 3100 Lumens
 - 42-42W 5500 Lumens
 - 2x4 Housing**
 - 52- 52W 5200 Lumens

Specification Features



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

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.

Rated Life 60,000 hours
Limited Warranty 5 Years
Efficacy 111lm/W
Continuous Dimming

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 DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which models are qualified.

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



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

Quick Ship

- LDR-22-40-MVD-840
- LDR-24-52-MVD-840

Ordering Information

Example: LDR-22-40-MVD-840

LDR	22	40	MVD	8	40	
Series LDR LED Door Retrofit	Form Factor 22- 2"x2" ² , 24- 2"x4" ²	Rated Wattage <u>2x2 Housing</u> 40- 40W 3900 Lumens 26-26W 3100 Lumens ^{1 3} 42-42W 5500 Lumens ^{1 3} <u>2x4 Housing</u> 52- 52W 5200 Lumens	Driver Type MV- 120-277V ¹ MVD- 120-277V; 0-10V Dimming	CRI 8 80+ CRI	Color Temp 35 5000K ¹ 40 4000K 50 5000K ¹	
			Emergency Backup EML8 800lm EML16 1600lm	Controls MOS- Microwave Sensor OS-Occupancy Sensor MOSB-Bi-Level Microwave Sensor	Accessories FW3 6' 3 Wire Fixture Whip FW4 6' 4 Wire Fixture Whip FW312-	

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	> 111.48 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	0.94
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-22-40-MVD-840	50.28W	5,118.12	101.7
	2x4	LDR-24-52-MVD-840	35.96W	4,008.78	111.48

NOTES:

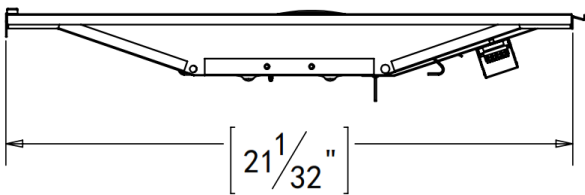
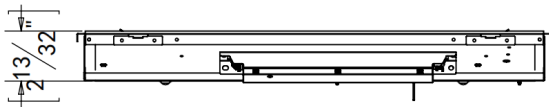
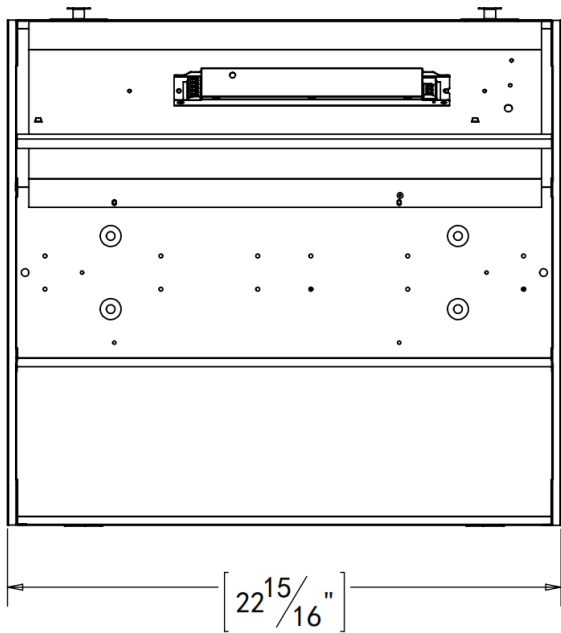
- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² DLC Listed
- ³ DLC Premium Listed
- ⁴ Quick ship: 4000K. Other CCTs may require a lead time or be special order
- ⁵ Typical color consistency. May vary or be changed.
- ⁶ Actual performance may differ as a result of end-user 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.

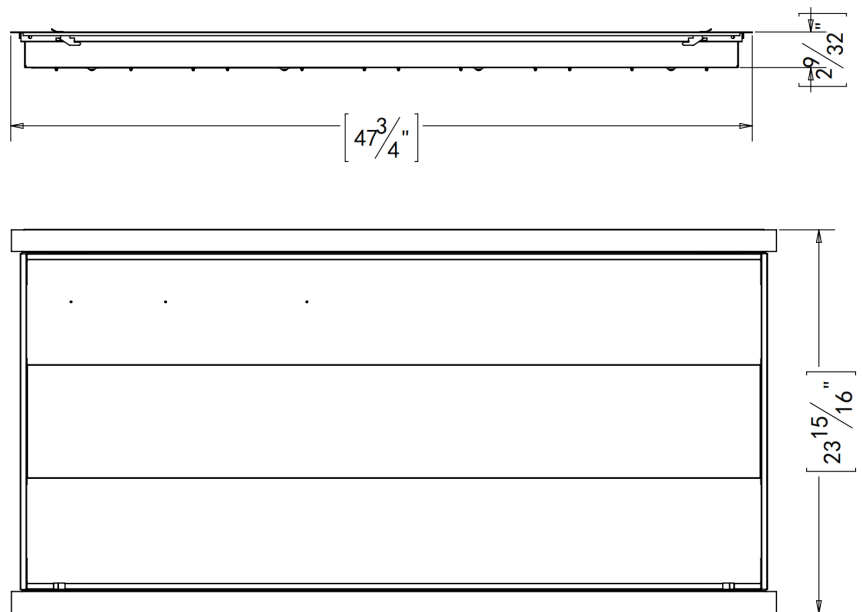


Product Dimensions

LDR-22



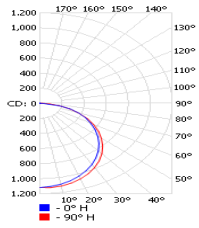
LDR-24



Photometric Data

LDR-22-40-MVD-840 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen 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%
70-100	380.2	11.10%	11.10%
90-120	5.7	0.20%	0.20%
0-90	3,413.10	99.60%	99.70%
90-180	9.9	0.30%	0.30%
0-180	3,423.00	99.90%	100%

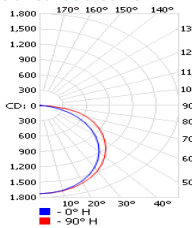
Coefficients of Utilization

Effective Floor Cavity Reflective Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			
	70	50	30	0	70	50	30	0	50	30	20	
RW %:	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1	1.11	1.11	1.11	
RCR: 0	1.08	1.03	0.98	0.94	1.05	1	0.96	0.83	0.96	0.93	0.9	
1	0.98	0.89	0.82	0.76	0.95	0.87	0.8	0.69	0.83	0.78	0.73	
2	0.89	0.78	0.69	0.63	0.86	0.76	0.68	0.58	0.73	0.66	0.61	
3	0.81	0.69	0.6	0.53	0.79	0.67	0.59	0.5	0.65	0.57	0.51	
4	0.74	0.61	0.52	0.45	0.72	0.6	0.51	0.43	0.58	0.5	0.44	
5	0.69	0.55	0.46	0.39	0.67	0.54	0.45	0.38	0.52	0.44	0.39	
6	0.64	0.5	0.41	0.35	0.62	0.49	0.4	0.33	0.47	0.4	0.34	
7	0.59	0.45	0.37	0.31	0.58	0.45	0.36	0.3	0.43	0.36	0.3	
8	0.55	0.42	0.33	0.28	0.54	0.41	0.33	0.27	0.4	0.32	0.27	
9	0.52	0.38	0.3	0.25	0.5	0.38	0.3	0.24	0.37	0.3	0.25	
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LDR-24-52-MVD-840 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,336.10	26.10%	26.10%
0-40	2,182.40	42.60%	42.70%
0-60	3,863.30	75.50%	75.60%
60-90	1,222.50	23.90%	23.90%
70-100	582.6	11.40%	11.40%
90-120	12.2	0.20%	0.20%
0-90	5,085.90	99.40%	99.50%
90-180	26.7	0.50%	0.50%
0-180	5,112.60	99.90%	100%

Coefficients of Utilization

Effective Floor Cavity Reflective Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			
	70	50	30	0	70	50	30	0	50	30	20	
RW %:	1.19	1.19	1.19	1.19	1.16	1.16	1.16	0.99	1.11	1.11	1.11	
RCR: 0	1.08	1.03	0.98	0.94	1.05	1	0.96	0.83	0.96	0.93	0.89	
1	0.98	0.89	0.82	0.76	0.95	0.87	0.8	0.69	0.83	0.78	0.73	
2	0.89	0.78	0.69	0.63	0.86	0.76	0.68	0.58	0.73	0.66	0.61	
3	0.81	0.69	0.6	0.53	0.79	0.67	0.59	0.5	0.65	0.58	0.52	
4	0.75	0.61	0.52	0.45	0.72	0.6	0.52	0.43	0.58	0.5	0.45	
5	0.69	0.55	0.46	0.4	0.67	0.54	0.46	0.38	0.52	0.45	0.39	
6	0.64	0.5	0.41	0.35	0.62	0.49	0.41	0.34	0.48	0.4	0.34	
7	0.59	0.46	0.37	0.31	0.58	0.45	0.37	0.3	0.44	0.36	0.31	
8	0.56	0.42	0.34	0.28	0.54	0.41	0.33	0.27	0.4	0.33	0.28	
9	0.52	0.39	0.31	0.25	0.51	0.38	0.3	0.25	0.37	0.3	0.25	
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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

