

LDR® Contour

Applications

Patented LDR® retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED in as little as two minutes. Industry's first LED troffer retrofit contained within the door frame.



Features

- White powder coated, aluminum frame
- LDR fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers
- Required mounting brackets adapt the LDR to fit nearly all existing troffers
- Matte finish polycarbonate contour lens diffuses glare in the work environment.

Certification & Listings

- Patented LDR® design
- UL Classified
- DesignLights Consortium™ qualified
- Visit the DLC QPL for listed models

Electrical

120-277v. Hardwired fixture
Finger board arrays with optic LED drivers are available in various dimming formats
0-10v dimming driver is standard

Max. Ambient Operating Temperature
48°C (118°F)

Patent Information

Orion is serious about intellectual property. This product may be covered by one or more patents. Patent information available at <http://www.orionlighting.com/about/patents/>

Rated Life

125,000 hours L70

Warranty

Orion LED fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties.

Consulting Specifying Engineering
Product of the Year 2015

Installation Steps

Step	Procedure	Time
1	Turn off power; remove existing lens or louver	0:00-0:11
2	Remove existing lamps and ballast cover, then disconnect power	0:11-0:40
3	Install supplied brackets and then the completely assembled LDR in bracket holes	0:40-1:12
4	Reconnect wiring to LDR	1:12-1:23
5	Close the LDR lens and secure latches shut	1:23-1:35

LDR® Contour

Ordering Information Example (NOTE: No dashes or spaces unless noted below)

Series	Nominal Lumens	Array Type	Voltage	Driver Type	CRI; Color Temp	Fixture Size	No. of Panels	Lens Style	Lens Material	Bracket Type	Additional Options
LDR	035L	FO	UNV	FDX	835	24	1P	CT	M	ST	-BB

Ordering Information

Series	Nominal Lumen Code ¹	Array Type	Voltage	Driver Type	CRI; Color Temp	Fixture Size	No. of Panels	Lens Style	Lens Material	Bracket Type	Additional Options
LDR= LED Troffer Retrofit	2x2 030L= 3000 lm 035L= 3900 lm	FO= Finger-board with optic	UNV= 120-277v	FDX= Full Dimming 0-10v FDH= LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ⁸ FD2= LTEA Hi-lume 1% 2-wire LED driver [120 V forward phase only] ⁸ FD5= LDE5 5-Series EcoSystem LED driver ⁸	830= 80CRI; 3000K 835= 80CRI; 3500K 840= 80CRI; 4000K 850= 80CRI; 5000K	22= 2x2 24= 2x4	1P= 1 Panel	CT= Contour	M= Matte	ST= Standard PL= Plenum LF= Lift	-BB= Battery Backup ² -DT= Daintree Wireless ³ -DD= Dial Dimmer ⁴
	2x4 032L= 3200 lm 038L= 4300 lm										

LDR® Contour

Performance Information²

Series	Size	Lens Type	Input Voltage	Input Power	Input Current	Power Factor	Light Output	LPW	CCT	CRI
LDR032LFO	24	1PCTM	120v	32w	0.266 A	≥0.90	3207 lm	101	4000K	≥80
LDR038LFO	24	1PCTM	120v	40w	0.333 A	≥0.90	4336 lm	109	4000K	≥80
LDR030LFO	22	1PCTM	120v	32w	0.266 A	≥0.90	3340 lm	104	4000K	≥80
LDR035LFO	22	1PCTM	120v	39w	0.325 A	≥0.90	3976 lm	101	4000K	≥80

*The information in this table provides performance information for our 4000K models only.

Physical Information

Size	Length	Width	Depth	Weight ⁴
2x4	46.75"	24"	3.125"	11 lbs.
2x2	22.75"	24"	3.50"	6 lbs.

LDR Bracket Selections



ST: Standard brackets that support our LDR within the troffer



PL: Vented brackets to allow air flow between room and existing troffer

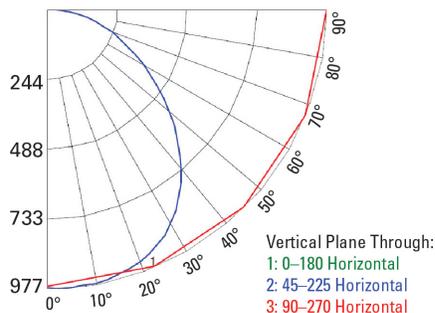


LF: Raises existing troffer pan to allow room for LDR to retrofit troffer

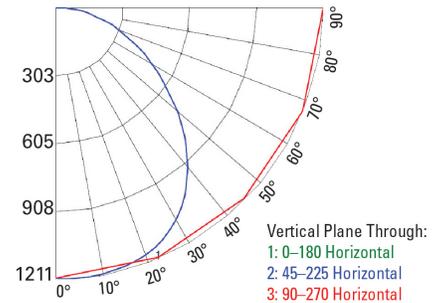
Photometrics

Visit orionlighting.com for all .IES files

LDR030L FO 2x2 4000K



LDR038L FO 2x4 4000K



Options - Factory Installed



-DD: 0-10v Dimmer switch

Additional Specification Information

- ¹ Actual lumens may vary
- ² **BB** Battery Back-Up is factory installed
- ³ **DT** is a wireless control, factory installed. Control-scope integrated by Daintree
- ⁴ **DD** is a 0-10v Dimmer switch
- ⁵ Actual performance may vary by up to ±10% of values listed
- ⁶ Width includes mounting brackets
- ⁷ Weight does not include mounting brackets
- ⁸ Lutron® dimming drivers require a Lutron® control system installed prior to ordering fixtures with Lutron® dimming drivers