

LDR® L-Series Contour

Applications

Retrofits existing 2'x2' and 2'x4' fluorescent troffers to LED in as little as two minutes. Industry's first LED troffer retrofit contained



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.

Certification & Listings

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

Electrical

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

Ambient Operating Temperature

Max. 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 per L70 TM-21

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



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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	L	UNV	FDX	835	24	1P	CT	M	ST	-BB

Ordering Information

Series	Nominal Lumens 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	035L= 3800 lm 041L= 4500 lm	L= Linear	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 ^{2,9} -DT= Daintree Wireless ³ -DD= Dial Dimmer ⁴

Physical and Performance Information⁵

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Series	Size	Lens Type	Input Voltage	Input Power	Input Current	Power Factor	Light Output	CCT	CRI	Length	Width ⁶	Depth	Weight ⁷
LDR035LL	24	1PCTM	120v	31W	0.258 A	≥0.90	3441 lm	4000K	≥80	46.75"	24.00"	3.125"	11 lbs.
LDR041LL	24	1PCTM	120v	39W	0.325 A	≥0.90	4059 lm	4000K	≥80	46.75"	24.00"	3.125"	11 lbs.
LDR035LL	22	1PCTM	120v	32w	0.266 A	≥0.90	3447 lm	4000K	≥80	22.75"	24.00"	3.125"	6 lbs.
LDR041LL	22	1PCTM	120v	39w	0.325 A	≥0.90	3987 lm	4000K	≥80	22.75"	24.00"	3.125"	6 lbs.

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

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

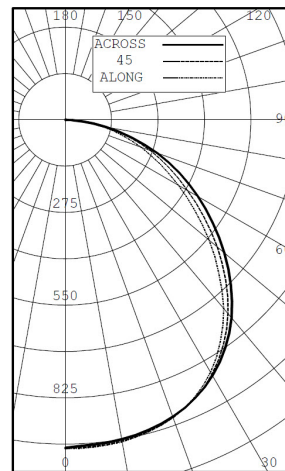


LF: Raises existing troffer pan to allow room for LDR to retrofit troffer

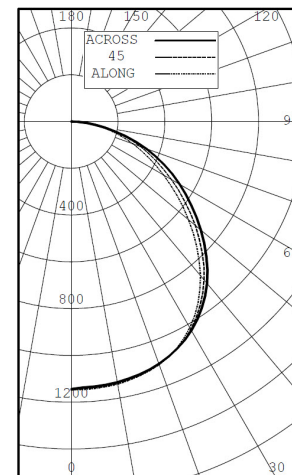
Photometrics

Visit orionlighting.com for all .IES files

2x2 32w



2x2 39w



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, field installed
- 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
- ⁹ Multiply 10 watts by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode