

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

Electrical

120-277v. Hardwired fixture
Finger board arrays 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



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 | 032L | 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 | 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 |
| | 2x4 032L= 3200 lm 038L= 4300 lm | | | | | | | | | | |

Performance Information²

LDR® Contour

| 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

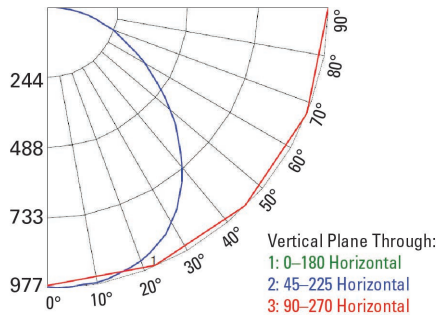


LF: Raises existing troffer pan to allow room for LDR to retrofit troffer

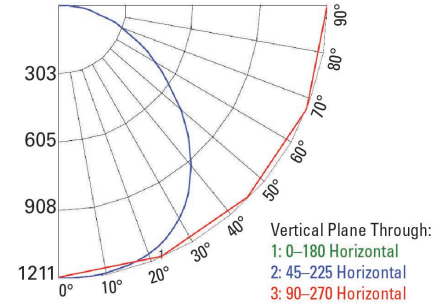
Photometrics

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