

LDR® 1x4

Applications

Retrofits existing 1' x 4' fluorescent troffers to LED in as little as two minutes. Industry's first LED troffer retrofit contained within the door frame.



Features

- Installs in as little as two minutes
- LDR® fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers
- Low environmental impact
- Ultra-light, highly efficient troffer retrofit solution
- Multiple bracket options to fit specific application requirements
- Seismic cable kit options that is Title 24 compliant
- Aluminum frame with proprietary white powder coat finish
- LDR® fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers
- Matte finish flat lens diffuses glare in the work environment
- Integrated Intelligent control options

Certification & Listings

- Patented LDR® design
- UL Damp Listed
- DesignLights Consortium™ Standard qualified
- Visit [DLC QPL](#) for listed models

Electrical

120v-277v. Hardwired fixture.

Ambient Operating Range

32°F to 122°F [0°C to 50°C]

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 APOLLO® class fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties.



Ordering Information Example

Series	Nominal Lumens	Array	Voltage	Dimming	CRI; Color Temp.	Fixture Size	Panel	Lens Style	Lens Finish	Bracket Type	Additional Options	Seismic Cable Option
LDR	020L	L	UNV	FDX	835	14	1P	FL	M	ST	-DT	-SC

Ordering Information

Series	Nominal Lumens ¹	Array	Voltage	Dimming	CRI; Color Temp.	Fixture Size	Panel	Lens Style	Lens Finish	Bracket Type	Additional Options	Seismic Cable Option
LDR = LED Troffer Retrofit	020L = 2000lm 040L = 4700lm	L = Linear	UNV = 120v-277v	FDX = Full Range Dimming	830 = 80CRI, 3000K 835 = 80CRI, 3500K 840 = 80CRI, 4000K 850 = 80CRI, 5000K	14 = 1' x 4'	1P = One panel	FL = Flat	M = Matte	ST = Standard PL = Plenum LF = Lift	(Blank) = No Control Option -DT = Daintree Control -DD = Dial Dimmer	(Blank) = No cable -SC = Seismic Cable

Physical and Performance Information¹

Series	Lens Type	Input Voltage	Input Power	Input Current	Power Factor	Light Output	LPW	CCT	CRI
LDR020L	1PFLM	120v	20w	0.166 A	≥0.90	2053 lm	103	4000K	>80
LDR040L	1PFLM	120v	42w	0.358 A	>0.90	4661 lm	110	4000K	>80

Physical Information

Size	Length	Width ²	Depth	Weight
1' x 4'	47.25"	12.00"	3.00"	6.00 lbs.

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

Additional Specification Information

¹Actual performance may vary by up to ±10% of values listed

²Width includes brackets

LDR Bracket Type Description

Bracket Type	Description
ST	Standard brackets that support the 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