APOLLO® TROFFER RETROFIT

LDR® 3 Panel

Applications
Retrofits existing 2’ x 4’ and 2’ x 2’ fluorescent troffers to LED in as little as 1 minute. Industry’s first LED troffer retrofit contained within the door frame.

Features
- Patented LDR® design.
- 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 lens provides glare diffusion 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. Linear arrays.

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

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

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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	Addtional Options
LDR	040L	L	UNV	FDX	850	24	3P	FL	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	Addtional Options
LDR= LED Troffer Retrofit	**040L**= 4000 lm **050L**= 5000 lm	**L**= Linear	**UNV**= 120-277v	**FDX**= Full Dimming 0-10v	**840**= 80CRI, 4000K **850**= 80CRI, 5000K	**22**= 2x2 **24**= 2x4	**3P**= 3 Panel	**FL**= Flat	**M**= Matte	**ST**= Standard **PL**= Plenum **LF**= Lift	**-BB**= Battery Backup[2] **-DT**= Daintree Wireless[3] **-DD**= Dial Dimmer[4]

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Physical and Performance Information[5]

Series	Size	Lens Type	Input Voltage	Input Power	Input Current	Power Factor	Light Output	CCT	CRI	Length	Width[6]	Depth	Weight[7]
LDR040LL	24	3PFLM	120v	34w	0.283 A	≥0.90	3931 lm	4000K	≥80	46.75”	24.00”	3.00”	11 lbs.
LDR050LL	24	3PFLM	120v	46w	0.383 A	≥0.90	4949 lm	4000K	≥80	46.75”	24.00”	3.00”	11 lbs.
LDR040LL	22	3PFLM	120v	35w	0.291 A	≥0.90	3836 lm	4000K	≥80	22.75”	24.00”	3.00”	6 lbs.
LDR050LL	22	3PFLM	120v	46w	0.383 A	≥0.90	4729 lm	4000K	≥80	22.75”	24.00”	3.00”	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

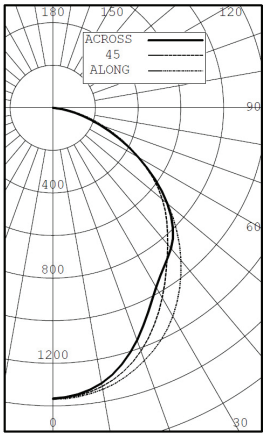
PL: Vented brackets to allow air flow between room and existing troffer

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

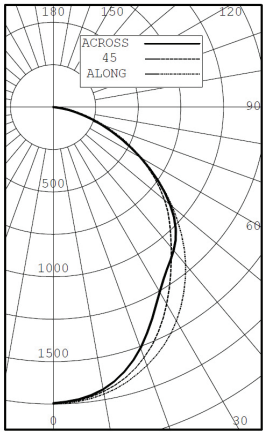
Photometrics

Visit oriolighting.com for all .IES files

2x4 34w



2x4 46w



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. Controlscope 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.

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