

LDR Prismatic Lens

Features and Specifications

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.

Certification & Listings

UL Classified. DesignLights Consortium® qualified.

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/>

Construction

Aluminum frame. LDR fits most existing T8/T12 fluorescent troffer fixtures with either prismatic lens or parabolic louvers. Required mounting brackets allow for the LDR to fit nearly all existing troffers.

Electrical

120v-277v and 347v. Hardwired fixture. Linear arrays.

Rated Life

125,000 hours.

Lens

Prismatic matte finish lens provides glare diffusion in the work environment.

Finish

Powder coated white.

Warranty

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



Ordering Information

1	Select	LDR
Series		
LDR	LED Troffer Retrofit	

2	Select	_____
Nominal Lumens		
040L	4,000 lm	
050L	5,000 lm	
070L	7,000 lm	
090L	9,000 lm*	
*090L available in 2' x 4' only.		

3	Select	L
Array Type		
L	Linear	

4	Select	___
Voltage		
UNV	120-277v	
347	347v	

5	Select	FDX
Dimming		
FDX	Full Dimming	

6	Select	___
CRI; Color Temperature		
850	80 CRI; 5000K	
840	80 CRI; 4000K	
835	80 CRI; 3500K	
830	80 CRI; 3000K	

7	Select	__
Fixture Size		
22	2'x2'	
24	2'x4'	

8	Select	1P
# of Panels		
1P	1 Panel	

9	Select	FL
Lens Style		
FL	Flat	

10	Select	PM
Lens Material		
PM	Prismatic Matte	

11	Select	__
Bracket Type		
ST	Standard	
PL	Plenum	
LF	Lift	

12	Select	___
Additional Options		
-BB	Battery Back-up*	
-DT	Daintree Wireless**	
-DD	Dial Dimmer	

Options

- *Battery Back-Up [installed from factory]⁵
- **Wireless Controls [wireless control installed from factory, controlscope integrated by Daintree]
- 0-10v Dimmer switch [sold separately]



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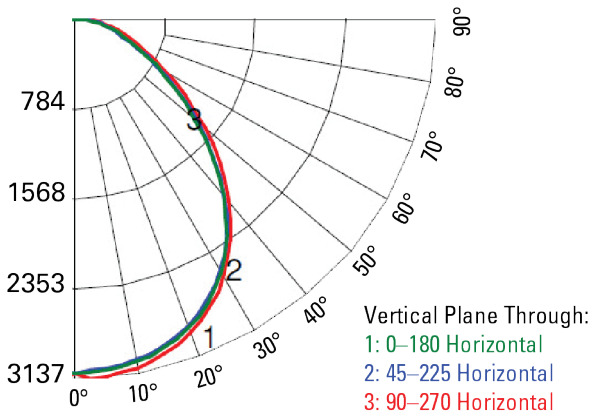
Physical and Performance Information²

Series	Size	Lens Type	Input Voltage	Input Power	Input Current	Power Factor	Light Output	CCT	CRI	Length	Width ³	Depth	Weight ⁴
LDR040LL	24	1PFLPM	120v	33w	0.275 A	≥0.90	4106 lm	4000K	≥80	46.75"	24.00"	3.00"	11 lbs.
LDR050LL	24	1PFLPM	120v	45w	0.375 A	≥0.90	5178 lm	4000K	≥80	46.75"	24.00"	3.00"	11 lbs.
LDR040LL	22	1PFLPM	120v	35w	0.291 A	≥0.90	3970 lm	4000K	≥80	22.75"	24.00"	3.00"	6 lbs.
LDR050LL	22	1PFLPM	120v	47w	0.391 A	≥0.90	4841 lm	4000K	≥80	22.75"	24.00"	3.00"	6 lbs.
LDR070LL	24	1PFLPM	120v	57w	0.475 A	≥0.90	6906 lm	4000K	≥80	46.75"	24.00"	3.00"	11 lbs.
LDR090LL	24	1PFLPM	120v	78w	0.65 A	≥0.90	8643 lm	4000K	≥80	46.75"	24.00"	3.00"	11 lbs.
LDR070LL	22	1PFLPM	120v	67w	0.558 A	≥0.90	7427 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.

Photometrics

2x4 5000K 070L



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

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:

- ¹Visit the DLC QPL for a list of models qualified.
- ²Actual performance may vary by up to ±10% of values listed.
- ³Width includes mounting brackets.
- ⁴Weight does not include mounting brackets.
- ⁵ Multiply 10 watts by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode