

## LED Door Retrofit 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.

### Construction

Aluminum frame. LDR fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers. Optional mounting brackets adapt the LDR to fit nearly all existing troffers. Vented brackets available for plenum rated ceiling grids.

### Electrical

120-277v. Hardwired fixture.

### Performance Information

LED chip life in the 3POM and 1FMP models is rated 375,000 hours. LED chip life in the 1COM models is rated 187,000 hours. Lumen maintenance life (L70) is based on the TM21 calculations, lifetime of driver is not included in these calculations.

### Optics

Three-panel opaque matte, contour opaque matte, or flat matte prismatic lens choices provide glare diffusion.

### 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.



LDR Fixture 4X2 shown

## Ordering Information

1	Select <b>MK LDR</b>
<b>Series</b>	
<b>MK LDR</b>	Manufactured Kit, LED Door Frame

2	Select _____
<b>Fixture Type</b>	
<b>TL</b>	Troffer Lens
<b>TLB</b>	Troffer Lens with Brackets

3	Select _____
<b>Size</b>	
<b>22</b>	2x2
<b>42</b>	4x2

4	Select _____
<b>Output</b>	
<b>37</b>	SO (Standard Output)
<b>55</b>	HO (High Output)
<b>*See second page for wattage by model</b>	

5	Select _____
<b>Lens</b>	
<b>3POM</b>	3 Panel Opaque Matte Lens
<b>1FMP</b>	Flat Matte Panel
<b>1COM</b>	Contour Opaque Matte

6	Select _____
<b>Color Temperature</b>	
<b>50</b>	5000°K
<b>40</b>	4000°K
<b>30</b>	3000°K

## Options (sold separately)

-0-10v Dimmer switch

7	Select _____
<b>Bracket</b>	
<b>(blank)</b>	Standard Steel Brackets
<b>LDR-V-ADPT-2FT-WP</b>	Vented 2ft. Bracket
<b>LDR-V-ADPT-4FT-WP</b>	Vented 4 ft. Bracket



<sup>2</sup> See second page for DLC QPL listed product offerings and information



# Orion Energy Systems

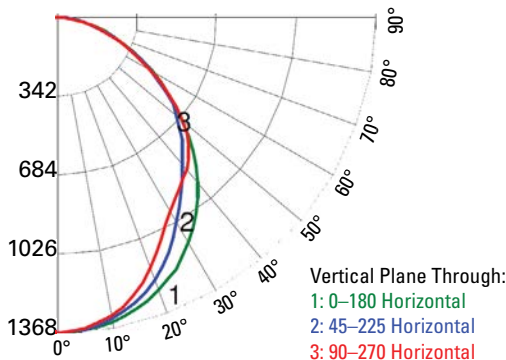
## Physical and Performance Information<sup>1</sup>

Series	Lens Type	Input Voltage	Input Power	Input Current	Power Factor	Light Output	CCT	CRI	Length	Width	Depth	Weight <sup>2</sup>	DLC Approved*
MKLDRTL4255	3POM	120-277v	47W	0.3947-0.1753 A	≥0.99	4194 lm	4000°K	≥81	46.44"	20.56"	2.93"	11 lbs.	Yes
MKLDRTL4237	3POM	120-277v	35W	0.2874-0.1351 A	≥0.99	3261 lm	4000°K	≥81	46.44"	20.56"	2.93"	11 lbs.	Yes
MKLDRTL2255	3POM	120-277v	47W	0.3943-0.1771 A	≥0.99	4522 lm	4000°K	≥82	22.44"	20.56"	2.93"	6 lbs.	Yes
MKLDRTL2237	3POM	120-277v	35W	0.2867-0.1364 A	≥0.99	3588 lm	4000°K	≥82	22.44"	20.56"	2.93"	6 lbs.	Yes
MKLDRTL4255	1FMP	120-277v	47W	0.3950-0.1743 A	≥0.99	4610 lm	4000°K	≥81	46.44"	20.56"	2.93"	11 lbs.	Yes
MKLDRTL4237	1FMP	120-277v	35W	0.2887-0.1384 A	≥0.99	3860 lm	4000°K	≥81	46.44"	20.56"	2.93"	11 lbs.	Yes
MKLDRTL2255	1FMP	120-277v	47W	0.3943-0.1753 A	≥0.99	4676 lm	4000°K	≥82	22.44"	20.56"	2.93"	6 lbs.	Yes
MKLDRTL2237	1FMP	120-277v	35W	0.2877-0.1364 A	≥0.99	3712 lm	4000°K	≥82	22.44"	20.56"	2.93"	6 lbs.	Yes
MKLDRTL4255	1COM	120-277v	40W	0.3275-0.1527 A	≥0.99	3679 lm	4000°K	≥86	46.44"	20.50"	3.55"	11 lbs.	Yes
MKLDRTL4237	1COM	120-277v	32W	0.2672-0.1275 A	≥0.99	3092 lm	4000°K	≥86	46.44"	20.50"	3.55"	11 lbs.	Yes
MKLDRTL2255	1COM	120-277v	40W	0.3281-0.1521 A	≥0.99	3427 lm	4000°K	≥86	22.44"	20.50"	3.55"	6 lbs.	Yes
MKLDRTL2237	1COM	120-277v	32W	0.2672-0.1271 A	≥0.99	2916 lm	4000°K	≥86	22.44"	20.50"	3.55"	6 lbs.	Yes

\*The information in this table provides physical and performance information for our 4000°K models only. To see a complete DLC approval listing of our products visit <http://www.designlights.org/QPL>

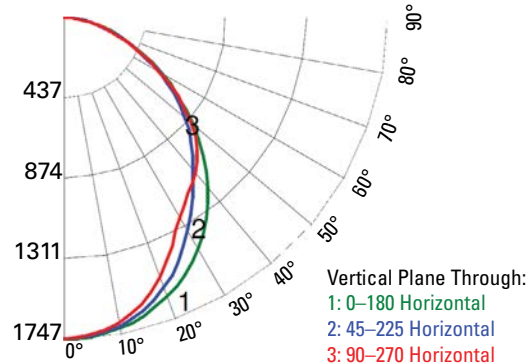
### MKLDRTL37 (IES Test Report 327573.0)

Zone	Lumens	% Luminaire
0-30	1008	30.91
0-40	1603	49.15
0-60	2716	83.27
0-90	3261	100.00



### MKLDRTL55 (IES Test Report 327577.0)

Zone	Lumens	% Luminaire
0-30	1300	31.01
0-40	2069	49.33
0-60	3498	83.42
0-90	4194	100.00



## Additional Specification Information:

<sup>1</sup>Actual performance may vary by up to ±10% of values listed.

<sup>2</sup>Weight does not include mounting brackets.



800-660-9340

[www.oesx.com](http://www.oesx.com)

NYSE MKT: OESX

©2014 Orion Energy Systems, Inc. All rights reserved. Ison, Intelite, Light Years Ahead and Orion are trademarks/service marks of Orion Energy Systems Inc. Design modification rights reserved. 20140527

