

## LDRE1

### Applications

Industry's first patented LED troffer retrofit contained within the door frame that installs in as little as a few minutes and with minimal disruption to the workplace. Retrofits existing 1' x 4', 2' x 2' and 2' x 4' T8/T12 fluorescent troffers.



LDRE1D1UNVFDXX83524MST

### Features

- Ultra-light, highly efficient troffer retrofit solution
- Installs in a few minutes
- Low environmental impact due to energy efficiency
- Multiple bracket options to fit various application requirements
- Title 24 compliant seismic cable kit option
- Lightweight, white painted aluminum body for better thermal dissipation
- LDR® fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers
- Matte finish, acrylic contour lens diffuses glare in the work environment

### Electrical

- Available in 120v-277v
- Full Dimming [0-10v], Step Dimming, and Lutron drivers available

### Ambient Operating Range

See ambient operating table on page 2

### Fixture Certification & Listings

- Patented LDR® design
- UL Classified
- Buy American Act Compliant
- DesignLights Consortium standard qualified luminaire
- Visit the [DLC QPL](http://www.dlcqpl.com) for listed models

### 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

100,000 hours L70

### Warranty

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



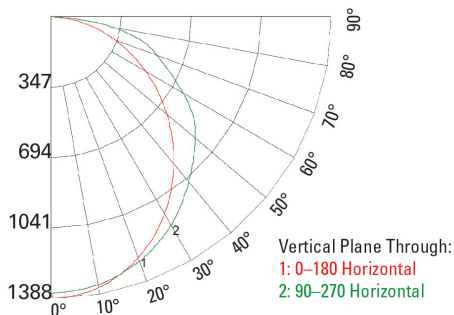
### Performance Information, 120v<sup>3</sup>

Series	Nominal Lumen Code	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
<b>1' x 4'</b>								
LDRE1	A1	2,157lm	17w	128	4000K	≥80	0.14A	>.90
LDRE1	A2	3,111lm	25w	123	4000K	≥80	0.21A	>.90
LDRE1	B1	4,288lm	35w	123	4000K	≥80	0.29A	>.90
<b>2' x 2'</b>								
LDRE1	A1	2,331lm	22w	106	4000K	≥80	0.18A	>.90
LDRE1	A2	3,021lm	25w	123	4000K	≥80	0.21A	>.90
LDRE1	B1	4,145lm	38w	109	4000K	≥80	0.32A	>.90
<b>2' x 4'</b>								
LDRE1	D1	3,254lm	27w	121	4000K	≥80	0.23A	>.90
LDRE1	E1	4,297lm	35w	124	4000K	≥80	0.29A	>.90
LDRE1	F1	6,049lm	48w	126	4000K	≥80	0.40A	>.90
LDRE1	G1	7,891lm	64w	123	4000K	≥80	0.53A	>.90

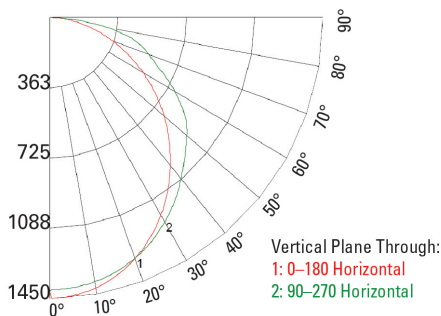
### Photometrics

Visit [orionlighting.com](http://orionlighting.com) to obtain all .IES files

#### B1 840



#### E1 840



### Ambient Operating Temperatures

Nominal Lumen Code	Standard Range
All Lumen Packages	0°C - 45°C [32°F - 113°F]

### Physical Information<sup>4</sup>

Length/Width	Depth	Fixture Size	Weight
The Orion LDR is designed to fit industry standard 1' x 4', 2' x 2', and 2' x 4' T-Bar grid openings	3.13"	22	6.00lbs.
	3.13"	24	11.00lbs.
	3.13"	14	4.00 lbs.

### Ordering Information Example (NOTE: No dashes or spaces unless noted below)

Series	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Fixture Size	Lens Options	Bracket Type	Fixture Options	Control Options	Packaging Options
LDRE1	D1	UNV	FDXX	835	24	M	ST	-BB	[Blank]	[Blank]

### Ordering Information

Series	Nominal Lumen Code <sup>1</sup>	Voltage	Driver Type <sup>2</sup>	CRI; Color Temp	Fixture Size	Lens Options	Bracket Type	Fixture Options	Control Options	Packaging Options
LDRE1= HARRIS LED Troffer Retrofit LDRE Gen 1	<b>1' x 4' and 2' x 2'</b> <b>A1</b> = 2,000lm <b>A2</b> = 3,000lm <b>B1</b> = 4,000lm	<b>UNV</b> = 120v-277v	<b>FDXX</b> = Full Dimming 0-10v <sup>8</sup> <b>FD50</b> = Step Dimming 50% <sup>6,7</sup> <b>FDHB</b> = LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology <sup>7,9</sup> <b>FDH2</b> = LTEA Hi-lume 1% 2-wire LED driver (120 V forward phase only) <sup>5,7,9</sup> <b>FD55</b> = LDE5 5-Series EcoSystem LED driver <sup>7,9</sup>	<b>835</b> = 80CRI; 3500K <b>840</b> = 80CRI; 4000K <b>850</b> = 80CRI; 5000K	<b>14</b> = 1' x 4' <b>22</b> = 2' x 2' <b>24</b> = 2' x 4'	<b>M</b> = Opaque Matte	<b>ST</b> = Standard <b>PL</b> = Plenum <b>LF</b> = Lift	<b>(Blank)</b> = No Option <b>-BB</b> = Battery Back up <b>-DD</b> = Dial Dimmer <sup>7</sup>	<b>(Blank)</b> = No Option <b>-EN</b> = Enlighted Sensor <sup>7</sup> <b>-BT</b> = Bluetooth Sensor <sup>7</sup> <b>-ZB</b> = Zigbee Wireless Ready Control <sup>7,10</sup> <b>-EL</b> = Zigbee Wireless Encelium Network Ready Control <sup>7,11</sup> <b>-ME</b> = Magnum EnOcean Sensor <sup>7</sup> <b>-P2</b> = Philips EasySense SNS200 Sensor <sup>7</sup> <b>-L1</b> = Lutron Vive Integral Control (RF Only) <sup>7</sup> <b>-L2</b> = Lutron Vive Integral Sensor (RF Plus Sensor) <sup>7</sup>	<b>(Blank)</b> = Bulk Pack <b>-SP</b> = Single Pack
	<b>2' x 4'</b> <b>D1</b> = 3,000lm <b>E1</b> = 4,000lm <b>F1</b> = 6,000lm <sup>5</sup> <b>G1</b> = 8,000lm <sup>5</sup>									

Note:  
For more information on options above, select the hyperlinks

### Accessories (Field Installed)

Additional Fixture Accessories	
<b>LDRE-SCBL-1FT-KIT</b>	1' x 4' Fixture Seismic Cable
<b>LDRE-SCBL-2FT-KIT</b>	2' x 2' Fixture Seismic Cable
<b>LDRE-SCBL-4FT-KIT</b>	2' x 4' Fixture Seismic Cable

### Accessories (Field Installed)

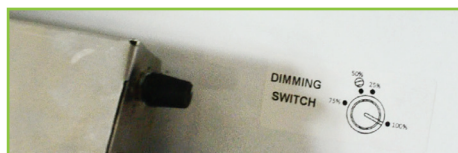


Seismic Cable Kit  
(LDRE-SCBL-4FT-KIT)

### Fixture Options (Factory Installed)



Battery Back Up  
(-BB)



Dial Dimmer  
(-DD)



Integrated Enlighted Sensor  
(-EN)



Integrated Bluetooth Sensor  
(-BT)



Integrated Magnum Sensor  
(-ME)



Integrated Zigbee Control  
(-ZB)



Integrated EasySense Sensor  
(-P2)



Integrated Lutron Vive Control  
(-L1)



Integrated Lutron Vive Sensor  
(-L2)

### Additional Specification Information

<sup>1</sup> For actual lumens, see performance table

<sup>2</sup> "XX" is a character placeholder for the manufacturing configuration

<sup>3</sup> Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

<sup>4</sup> Weight and depth will vary based on option selection

<sup>5</sup> F1 and G1 lumen packages options are not available with FDH1, FDH2 and FDH3 driver types

<sup>6</sup> FD50 (step dimming) option requires two separate hot leads per fixture

<sup>7</sup> FD50 (step dimming) or Lutron driver options are not available with -EN, -ZB, -P2, -L1, -L2, -DD, -BT, -ME listed under "control options" and "fixture options" section in order information

<sup>8</sup> FDXX 0-10v driver configurations are compatible with most third party control systems

<sup>9</sup> Lutron® dimming drivers require a Lutron® control system installed prior to ordering fixtures with Lutron® dimming drivers

<sup>10</sup> Only compatible with non-ENCELIUM EXTEND/EDGE Light Management Systems

<sup>11</sup> Only compatible with ENCELIUM EXTEND Network Light Management System and ENCELIUM EDGE Wireless Light Management System