

LDRE1, Series 2

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 2'x2' and 2'x4' T8/T12 fluorescent troffers.



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 options
- 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

Certification & Listings

- Patented LDR® design
- Buy American Act Compliant
- UL/cUL Classified for Damp locations
- DesignLights Consortium® qualified luminaire
- Visit [DLC QPL](#) for listed models

Electrical

- Available in 120-277v
- Hardwired fixture
- Full Dimming (0-10v) and step dimming options are available
- Lutron® dimming drivers require an existing Lutron® control system

Ambient Operating Range

-4°F to 122°F [-20°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

100,000 hours per L70

Warranty

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



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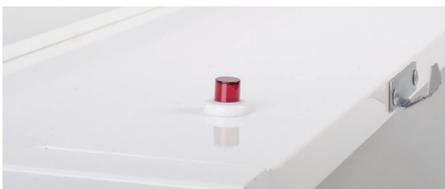
Ordering Information Example

Series	Nominal Lumens	Voltage	Driver Type	CRI; Color Temp.	Fixture Size	Lens Material	Bracket Type	Additional Options
LDRE1	DA	UNV	FDXX	835	24	M	ST	-BB

Ordering Information

Series	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp.	Fixture Size	Lens Material	Bracket Type	Additional Options
LDRE1= HARRIS LED Troffer Retrofit LDRE Gen 1, Series 2	DA= 3000lm EA= 4000lm FB= 6000lm ¹	UNV= 120-277v	FD50= Step Dimming 50% ^{2,3} FDXX= Full Dimming 0-10v ^{4,5} FDHB= LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ⁶ FDH2= LTEA Hi-lume 1% 2-wire LED driver [120 V forward phase only] ^{1, 6} FDH3= L3DA Hi-lume 1% 3-wire LED driver ^{1, 6} FD55= LDE5 5-Series EcoSystem LED driver ⁶	835= 80CRI, 3500K 840= 80CRI, 4000K 850= 80CRI, 5000K	24= 2' x 4'	M= Opaque Matte	ST= Standard PL= Plenum LF= Lift	-BB= Battery Back up -DD= Dial Dimmer ³

Fixture Option - Factory Installed



-BB= Battery Backup



-DD= Dial Dimmer

Fixture Options - Seismic Cable, Field Installed



LDRE-SCBL-4FT-KIT= 2' x 4' fixture seismic cable

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Physical and Performance Information⁷

Series	Lumen Code	Actual Lumens	Fixture Size	Lumens Per Watt	Light Output	CCT	CRI	Input Voltage	Input Power [watts]	Input Current	Power Factor
LDRE1= LED Retrofit LDRE Gen 1, Series 2	DA	3000	2x4	110	3375 lm	4000K	≥80	120	31	0.26 A	>0.99
	EA	4000	2x4	106	3968 lm	4000K	≥80	120	37	0.28 A	>0.99
	FB	6000	2x4	117	5882 lm	4000K	≥80	120	50	0.42 A	>0.99

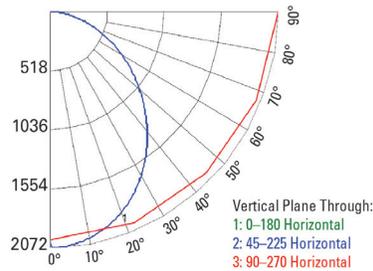
Physical Information

Size	Length	Width	Depth ⁸	Weight ⁸
2x4	46.75"	20.50"	3.125"	11 lbs

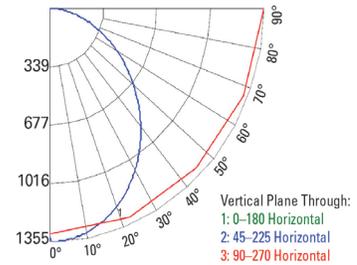
Additional Performance Information for a fixture

Visit orionlighting.com for all .IES files

2x4 FB 4K



2x4 EA 4K



Additional Specification Information

- ¹ FB lumen packages options are not available with FDH1, FDH2 and FDH3 driver types
- ² FD50 (step dimming) option requires two separate hot leads per fixture
- ³ FD50 (step dimming) option is not available with -DD listed under "additional options" section in order information
- ⁴ FDXX 0-10v driver configurations are compatible with most third party control systems
- ⁵ "XX" in part number is a character placeholder for the manufacturing configuration
- ⁶ Lutron® dimming drivers require an existing Lutron® control system
- ⁷ Actual performance may vary by up to ±10% of values listed
- ⁸ Depth and weight varies by model; dependent on driver selection