

HARRIS LED LDR TROFFER RETROFIT, GEN 3

LDRE3

Applications

Industry's first patented LED troffer retrofit contained within the door frame. Installs in as little as a few minutes and with minimal disruption to the workplace. Retrofits into the existing housing 1' x 4', 2' x 2' and 2' x 4' T8/T12 fluorescent troffers. This manufactured product meets the Build America, Buy America (BABA) requirement.



LDRE32403LUNVFD840MSTSP-BABA

Project Name:	
Catalog Number:	
Type:	
Note:	
Date:	



Construction & Design

- This is a manufactured product in the United States that meets the 55% threshold for Build America Buy America (BABA) compliance
- Ultra-light, highly efficient troffer retrofit solution
- Installs in a few minutes
- Low environmental impact due to energy efficiency
- 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 LEDs in the work environment

Additional Options

- Multiple bracket options to fit various application requirements
- Field and Factory Installed Battery Back Up available in 10w, Certified in CA Title 20

Electrical

- Available in 120v-277v
- Standard 0-10v dimming drivers
- Power Factor > .90*
- Total Harmonic Distortion < 20%*

*Note: Varies based on option

Lumen Maintenance

See lumen maintenance table on page 2

Fixture Certification & Listings

- Patented LDR® design
- UL Classified
- Build America Buy America Compliant
- DesignLights Consortium® qualified luminaire
- Visit the [DLC QPL](#) 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/>

Warranty

See Orion's [Product Limited Warranty](#) for more details and information

BABA-COMPLIANT FIXTURE ★ ★ ★

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Performance Information, 120v, 4000K, ≥80 CRI¹

Nominal Lumen Code	Actual Lumens	Wattage	LPW	Input Current
1' x 4'				
02L	2,102lm	14w	152	0.12A
03L	3,238lm	21w	157	0.17A
04L	4,152lm	28w	151	0.23A
2' x 2'				
02L	2,290lm	15w	154	0.13A
03L	3,111lm	21w	148	0.18A
04L	3,960lm	27w	146	0.23A
2' x 4'				
03L	3,294lm	21w	159	0.17A
04L	4,131lm	27w	154	0.23A
06L	6,130lm	40w	154	0.34A
08L	8,262lm	52w	157	0.44A

Lumen Maintenance²

Fixture Size	Nominal Lumen Code	Nominal Lumens	Operating Temperature	Calculated Lumen Maintenance		
				L70	L80	L90
1' x 4'	02L	2,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000
1' x 4'	03L	3,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000
1' x 4'	04L	4,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000
2' x 2'	02L	2,000	25°C	403,000	244,000	103,000
			55°C	134,000	82,000	36,000
2' x 2'	03L	3,000	25°C	403,000	244,000	103,000
			55°C	134,000	82,000	36,000
2' x 2'	04L	4,000	25°C	403,000	244,000	103,000
			55°C	134,000	82,000	36,000
2' x 4'	03L	3,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000
2' x 4'	04L	4,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000
2' x 4'	06L	6,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000
2' x 4'	08L	8,000	25°C	197,000	123,000	59,000
			55°C	149,000	93,000	44,000

Additional Specification Information

¹ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

² Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

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Ordering Information Example (NOTE: No dashes or spaces unless noted below)
LDRE32403LUNVFD840MSTSP-BABA

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code ³	Voltage	Driver Type	CRI; Color Temp	Lens Options	Bracket Type	Factory Installed Options	Packaging Options	Fixture Certifications
LDRE3= HARRIS LED Troffer Retrofit LDRE, Gen 3	14= 1' x 4' 22= 2' x 2' 24= 2' x 4'	1' x 4' and 2' x 2' 02L= 2,000lm 03L= 3,000lm 04L= 4,000lm 2' x 4' 03L= 3,000lm 04L= 4,000lm 06L= 6,000lm 08L= 8,000lm	UNV= 120v-277v	FD= Full Dimming	835= 80CRI; 3500K 840= 80CRI; 4000K 850= 80CRI; 5000K	M= Opaque Matte	ST= Standard PL= Plenum LF= Lift (for shallow fixtures)	(blank)= No Options BB10= Battery Back Up, 10w ⁴	(Blank)= Bulk Pack SP= Single Pack	-BABA= Buy America Build America Compliant <u>Note: This is a manufactured product in the United States that exceeds the 55% threshold for Buy America [BABA] compliance</u>

Additional Specification Information

³ For actual lumens, see performance table

⁴ Multiply 10w by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode

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Physical Information⁵

Length/Width	Depth	Fixture Size	Weight
The Orion LDR is designed to retrofit industry standard 1' x 4', 2' x 2', and 2' x 4' existing troffer pans in T-Bar grid openings	3.13"	1' x 4'	5.80 lbs.
	3.13"	2' x 2'	4.30lbs.
	3.13"	2' x 4'	7.90lbs.

Ambient Operating Temperatures

Nominal Lumen Code	All Voltages	Battery Back Up
All Lumen Packages	0°C - 55°C [32°F - 131°F]	Min. Operating Temp. 0°C [32°F]

BABA Compliant Accessories (Field Installed)

Field Installed Battery Back Up Kit ⁴	
LDRE314-UNV-BB10-KIT-BABA	1' x 4', Battery Back Up Kit, 10w for Field Installation
LDRE322-UNV-BB10-KIT-BABA	2' x 2', Battery Back Up Kit, 10w for Field Installation
LDRE324-UNV-BB10-KIT-BABA	2' x 4', Battery Back Up Kit, 10w for Field Installation

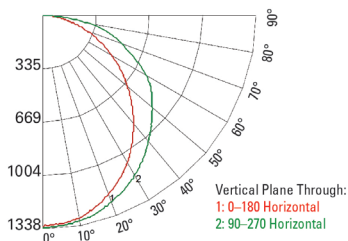


Battery Back Up
(LDRE3xx-UNV-BB10-KIT-BABA)

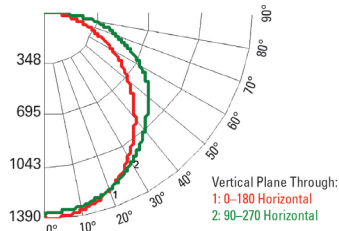
Photometrics

Visit orionlighting.com to obtain all .IES files

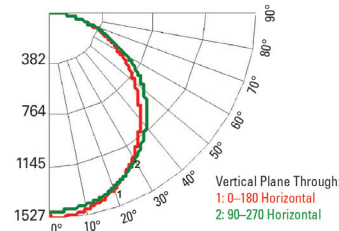
22 04L 840



24 04L 840



14 04L 840



Additional Specification Information

⁴ Multiply 10w by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode

⁵ Weight and depth will vary based on option selection, weight includes brackets