

LDRES3

Applications

The TritonPro™ LED Troffer Retrofit Selectable, Gen 3 is designed for swift and seamless installation, taking only a few minutes and causing minimal disruption to the workplace. It effortlessly fits into existing 2' x 2' and 2' x 4' fluorescent troffer housings, transforming your lighting system with ease. Enjoy the benefits of enhanced energy efficiency, longer lifespan, and improved lighting quality with this innovative retrofit solution.

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



LDRES322A1UNVFD8CSLAFGST



Construction & Design

- Bracket system allows for quick installation in the field
- Easily accessible dip switches allow the user to select CCT and lumen output in the field providing flexibility to adapt to different work environment dynamics
- Field adjustable CCT [3500K/4000K/5000K]; 80 CRI standard; three adjustable lumen outputs
- LDRES3 fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers
- 2' x 2' or 2' x 4' white painted steel body
- Mounting brackets ship standard with fixture from the factory
- Uniform light distribution across the lens provides better visual comfort for users
- Minimum 80 CRI

Electrical

- Available in 120v-277v
- Standard 0-10v dimming drivers with 12v auxiliary output
- Power Factor > .90*
- Total Harmonic Distortion < 20%*

*Note: Varies based on option

Fixture Certification & Listings

- UL Classified
- Suitable for Damp Locations
- DesignLights Consortium™ Standard qualified luminaire
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

Warranty

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

Additional Options

- Field installed Battery Back Up available in 10w, Certified in CA Title 20
- Compatible with room based 0-10v occupancy controls

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

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
2' x 2'							
A1	15w	2,244lm	147	2,287lm	149	2,308lm	151
	23w	3,280lm	143	3,364lm	147	3,378lm	148
	31w	4,311lm	141	4,397lm	143	4,359lm	142
2' x 4'							
B1	23w	3,308lm	145	3,327lm	146	3,297lm	145
	29w	4,184lm	143	4,224lm	145	4,161lm	143
	39w	5,593lm	144	5,645lm	145	5,510lm	142

Lumen Maintenance ²

Fixture Size	Nominal Lumen Code	Operating Temperature	Calculated Lumen Maintenance		
			L70	L80	L90
2' x 2'	A1	25C	173,000	109,000	52,000
		50C	173,000	109,000	52,000
2' x 4'	B1	25C	173,000	109,000	52,000
		50C	173,000	109,000	52,000

Physical Information³

Length/Width	Depth	Fixture Size	Weight
The Orion LDRES3 is designed to retrofit industry standard 2' x 2' and 2' x 4' existing troffer pans in T-Bar grid openings	2.00"	2' x 2'	5.00lbs.
	2.00"	2' x 4'	8.30lbs.

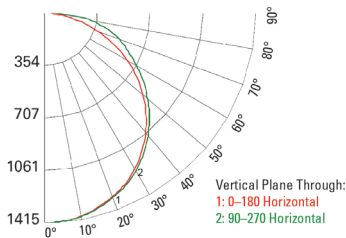
Ambient Operating Temperatures

Nominal Lumen Code	120-277v Range	With Battery Back Up
All Lumen Packages	-20°C - 40°C [-4°F - 104°F]	Min. Operating Temp. 0°C [32°F]

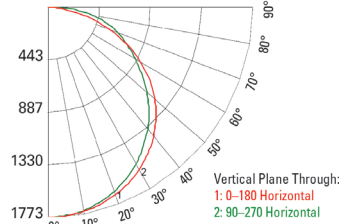
Photometrics

Visit orionlighting.com to obtain all .IES files

22 A1 80 CRI 4000K



24 B1 80 CRI 4000K



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

³ Weight and depth will vary based on option selection, weight includes brackets

Ordering Information Example (NOTE: No dashes or spaces unless noted below)
LDRES322A1UNVFD8CSLAFGST

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code ³	Voltage	Fixture Type	CRI; Color Temp	Lens Options	Bracket Type	Fixture Options	Packaging
LDRES3= TritonPro LED Troffer Retrofit Selectable, Gen 3	22= 2' x 2' 24= 2' x 4'	2' x 2' A1= 2,200lm/ 3,200lm/ 4,200lm 2' x 4' B1= 3,200lm/ 4,200lm/ 5,700lm	UNV= 120v-277v	FD= Full Dimming 0-10v	8CS= 80 CRI; Selectable CCT 3500K/ 4000K/ 5000K	LAFG= Lens, Frosted, General Distribution	ST= Standard Brackets	(blank)= No Options BB10= Battery Back Up, 10w ⁴	(blank)= Bulk Pack

****Note:** All fixtures are set to the max lumen output at 4000K [ex: LDRES322A1 = 4,200lm at 4000K]

Standard (Factory Installed)



CCT Switch

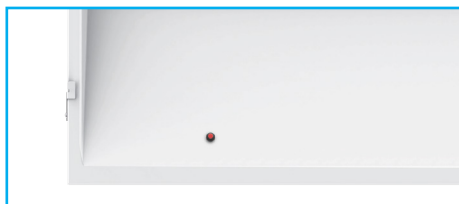


Wattage/Lumen Output Switch

Accessories (Field Installed)

Battery Back Up Kits⁴

LDRES3-BB10-KIT	Battery Back Up Kit Field Install, 10w
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Battery Back Up Kit
(LDRES3-BB10-KIT)

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