

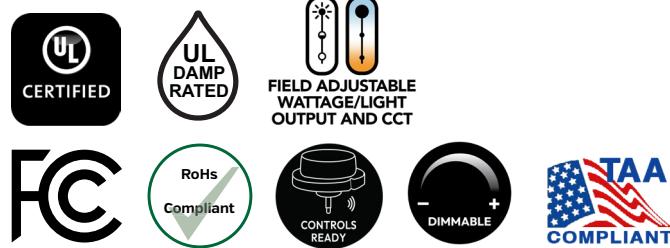


LDRES4



LDRES422A1UNVFD8CSLFG

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



Intended Use

- The TritonPro™ LED Troffer Retrofit Selectable, Gen 4 is designed for swift and seamless installation, taking only a few minutes and causing minimal disruption to the workplace. It effortlessly fits into existing 1' x 4', 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.

Construction

- Available in 1' x 4', 2' x 2', and 2' x 4' sizes.
- Bracket system ships standard with fixture and allows for quick installation in the field.
- The bracket systems allow the LDRES4 to fit most of the existing fluorescent troffer fixtures with either prismatic or parabolic louvers.
- 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.
- Low profile steel construction design with powder coat.
- Uniform light distribution across the lens provides better visual comfort for users.

Electrical

- L70 at 144,000 hours at 25°C (see page 3 for lumen maintenance table).
- 120v-277v Standard with 0-10V dimming drivers.
- Field adjustable wattage.
- Field selectable CCT between 3500K, 4000K and 5000K.

Controls and Sensor Options

- Fixture available with sensor base for field-installed standalone and Bluetooth Mesh controls.

Additional Options

- Factory and field installable battery backup available.

Installation

- LDRES4 fits most existing fluorescent troffer fixtures with either prismatic lens or parabolic louvers.
- Mounting brackets ship standard with the fixture from the factory.

Fixture Certifications & Listings

- UL/cUL Listed for Damp Locations
- Certified for insulated plenums (type IC)
- FCC Certified
- RoHS Compliant
- TAA Compliant

Warranty

- 5 year warranty standard.
- Optional 10 year warranty available at additional cost.
- See Orion's [Product Limited Warranty](#) for more details and information.



TRITONPRO™ LED TROFFER RETROFIT SELECTABLE, GEN 4

LDRES4

Ordering Information Example [NOTE: No dashes or spaces unless noted below]

LDRES424B1UNVFD8CSLFGCR

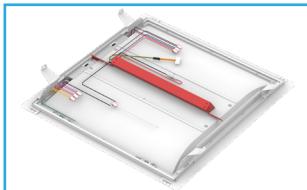
Ordering Information [Enter Selected Catalog Number Below for Factory-Installed Options]

Series	Fixture Size	Nominal Lumen Code ¹	Voltage	Fixture Type	CRI; Color Temp	Lens Options	Fixture Options	Packaging
LDRES4= TritonPro Troffer Retrofit Selectable, Gen 4	14= 1' x 4' 22= 2' x 2' 24= 2' x 4'	1' x 4' A1= 2,200lm/ 3,300lm/ 4,400lm 2' x 2' A1= 2,200lm/ 3,300lm/ 4,400lm 2' x 4' B1= 3,300lm/ 4,400lm/ 5,500lm	UNV= 120V-277V	FD= Full Dimming 0-10v	8CS= 80 CRI; Selectable CCT 3500K/ 4000K/ 5000K	LFG= Lens, Frosted, General Distribution	[blank]= No Options BB08= Battery Back Up, 8w CR= Control Ready/Sensor Receptacle	[blank]= Bulk Pack [ships in pack of 2]
		All fixtures are set to the max lumen output and 4000K [ex: LDRES422A1 = 4,400lm at 4000K] ¹ For actual performance information, see performance table			All fixtures are set to the max lumen output and 4000K [ex: LDRES422A1 = 4,400lm at 4000K]			

Accessories [Field Installed] [View our Install Instructions Here](#)

Battery Back Up Kit Options	
LDRES4-BB08-KIT	Emergency Driver Kit, 8w
Remote Required for Commissioning	
RM51	Keilton Sensor IR Remote Controller [for IFS06R sensor]
CR [Control Ready] Sensors	
IFS06R	Keilton Basic PIR Occupancy Sensor: Daylight Harvesting, High and Low End Trim, 0-10v Dimming, IR Remote Programmable [requires RM51 for commissioning or modifying]
IFS108	Keilton + Autani Bluetooth Mesh: Wireless Fixture Controller, PIR Occupancy Sensor, High/Low/Off, 0-10v Dimming, Daylight Harvesting, High End Trim, Luminare Level Lighting Control, Wireless Zones, Time-of-Day Scheduling, Keilton Mobile App Programmable

Battery Back Up



Control Ready Base





TRITONPRO™ LED TROFFER RETROFIT SELECTABLE, GEN 4

LDRES4

Performance Information, 120v, ≥ 80 CRI²

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
1' x 4'							
A1	17w	2,308lm	140	2,399lm	145	2,454lm	149
	25w	3,413lm	137	3,576lm	143	3,596lm	144
	33w	4,372lm	132	4,631lm	140	4,627lm	140
2' x 2'							
A1	18w	2,565lm	143	2,678lm	149	2,629lm	146
	27w	3,655lm	134	3,863lm	142	3,730lm	137
	36w	4,550lm	127	4,874lm	136	4,659lm	130
2' x 4'							
B1	26w	3,634lm	138	3,846lm	146	3,905lm	148
	35w	4,665lm	134	4,966lm	143	4,964lm	143
	44w	5,629lm	129	6,055lm	139	6,026lm	138

Lumen Maintenance³

Fixture Size	Nominal Lumen Code	Operating Temperature	Calculated Lumen Maintenance		
			L70	L80	L90
1' x 4'	A1	25°C	144,000	90,000	44,000
		45°C	144,000	90,000	44,000
2' x 2'	A1	25°C	144,000	90,000	44,000
		45°C	144,000	90,000	44,000
2' x 4'	B1	25°C	144,000	90,000	44,000
		45°C	144,000	90,000	44,000

Battery Back Up -
Lumen Output in Emergency Mode

Nominal Lumen Code	Voltage	Wattage	Lumen Output
All Lumen Codes	UNV	8w	1,040lm

Ambient Operating Temperatures

Nominal Lumen Code	Standard Operating Range	With Battery Back Up
All Lumen Packages	-15°C to 45°C [5°F to 113°F]	Min. Operating Temp. 0°C [32°F]
Operating Ranges with Sensors		
IFS06R	0°C to 45°C [32°F to 113°F]	
IFS108	0°C to 45°C [32°F to 113°F]	

Additional Specification Information

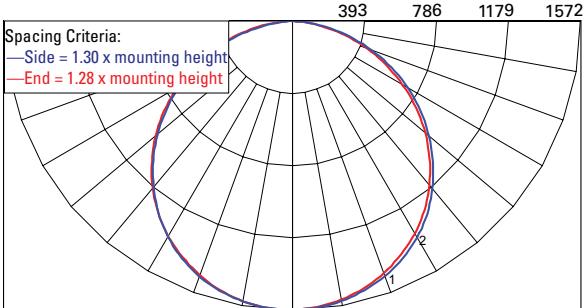
² Actual performance may vary by up to $\pm 10\%$ of values listed; facility factors and fixture options can affect performance values

³ Calculated hours based on TM-21 projections and components used at the time of testing. Warranty is not associated with Calculated Lumen Maintenance

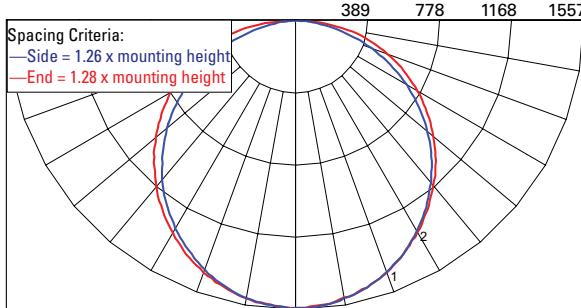
Photometrics

Visit orionlighting.com to obtain all .IES files

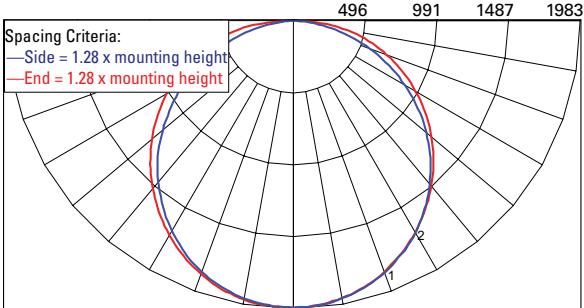
14 A1 850



22 A1 850



24 B1 850



Physical Information

Fixture Size	Nominal Lumen Code	Length	Width	Depth	Weight ⁴
1' x 4'	A1	45.91"	10.04"	2.36"	6.06lbs.
2' x 2'	A1	22.05"	21.89"	1.42"	6.05lbs.
2' x 4'	B1	45.91"	22.05"	1.42"	9.13lbs.

Additional Specification Information

⁴ Weight varies based on option selected

Controls

Standalone Sensors – Keilton Basic [IFS06R + RM51]

Simple, standalone commercial lighting controls including switches, fixture-integrated sensors, and infrared remotes that provide lighting control without networking or radios.

- **IFS06R** – The IFS06R is an integrated photocell and PIR occupancy sensor in a compact form factor. Different modes can be selected for various applications using the RM51 remote control.
- **RM51** – The RM51 Remote is used to program the configurations of the Keilton Basic sensors using infrared [IR] communications with the devices. It offers 6 default modes of configurations plus manual settings. Customer configurations can be created, saved and then sent to each device ensuring a rapid deployment.

Bluetooth Mesh Sensors – Keilton+Autani

DLC-listed gateway-free local room-based Bluetooth® mesh commercial lighting control software and hardware products that include mobile apps, sensors, controllers, switches and other devices for commercial lighting.

- **IFS108** – The IFS 108 series are designed for Luminaire Level Lighting Control [LLLC/NLC5] applications with integrated daylight harvesting and PIR motion sensors which could convert general luminaire into smart lighting fixture. The compact structure is designed for panel, troffer, strip, wrap, vaportight and some architectural lighting fixtures.

For more detailed instructions on commissioning, settings, and features please visit [Keilton App Instructions](#)



Keilton iOS



Keilton Android
@GooglePlay

Accessories [Field Installed]



Keilton Basic Handheld Sensor Remote
[RM51]