

## LTHES3

### Applications

The TritonPro™ LED Troffer Selectable, Gen 3 is the ideal recessed lay-in troffer lighting solution for commercial spaces, offices, educational institutions, healthcare facilities, and any location with a T-Bar lay-in grid in 2' x 2' and 2' x 4' sizes. This cost-efficient troffer not only delivers superior, even light distribution but also significantly enhances energy savings compared to traditional fluorescent troffers while reducing operating costs, improving visual comfort, and increasing sustainability

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



LTHES324B1UNVFD8CSLAFG



### Construction & Design

- 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
- Select between three CCT [3500K/4000K/5000K] and three lumen outputs
- Low profile steel construction design with powder coat finish
- 2' x 2' and 2' x 4' fixture sizes
- Fits into standard 9/16" and 15/16" T-bar grid and recessed ceilings
- Minimum 80 CRI

### Additional Options

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

### Electrical

- Available in 120v-277v
- Standard 0-10v dimming drivers with 12v auxiliary output
- Power Factor >0.90\*
- Total Harmonic Distortion < 20%\*

\*Note: Varies based on option

### Lumen Maintenance

See lumen maintenance table on page 2

### Fixture Certifications & Listings

- cULus Listed
- UL/cUL Listed for Damp Locations
- Certified for insulated plenums (type IC)
- 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

### Performance Information, 120v, ≥ 80 CRI<sup>1</sup>

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
<b>2' x 2'</b>							
A1	15w	2,234lm	146	2,250lm	147	2,226lm	145
	23w	3,200lm	140	3,294lm	144	3,234lm	141
	31w	4,384lm	141	4,450lm	143	4,314lm	139
<b>2' x 4'</b>							
B1	23w	3,400lm	147	3,431lm	148	3,395lm	146
	30w	4,295lm	145	4,351lm	147	4,281lm	145
	40w	5,690lm	143	5,774lm	145	5,617lm	141

### Lumen Maintenance <sup>2</sup>

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

### Additional Specification Information

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

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

Ordering Information Example (NOTE: No dashes or spaces unless noted below)  
**LTHES324B1UNVFD8CSLAFG**

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code <sup>3</sup>	Voltage	Fixture Type	CRI; Color Temp	Lens Options	Fixture Options	Packaging
LTHES3= TritonPro Troffer Selectable, Gen 3	<b>22=</b> 2' x 2' <b>24=</b> 2' x 4'	<b>2' x 2'</b> <b>A1=</b> 2,200lm/ 3,200lm/ 4,200lm  <b>2' x 4'</b> <b>B1=</b> 3,200lm/ 4,200lm/ 5,700lm	<b>UNV=</b> 120v-277v	<b>FD=</b> Full Dimming 0-10v	<b>8CS=</b> 80 CRI; Selectable CCT 3500K/ 4000K/ 5000K	<b>LAFG=</b> Lens, Frosted, General Distribution	<b>(blank)=</b> No Options <b>BB10=</b> Battery Back Up, 10w <sup>4,5</sup>	<b>(blank)=</b> Bulk Pack

**\*\*Note:** All fixtures are set to the max lumen output at 4000K [ex: LTHES322A1 = 4,200lm at 4000K]

### Standard (Factory Installed)

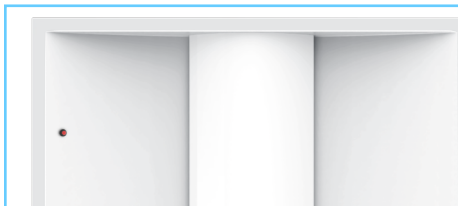


CCT Switch



Wattage/Lumen Output Switch

### Factory Installed Options



Battery Back Up 10w (BB10)

### Additional Specification Information

<sup>3</sup> For actual performance information, see performance table

<sup>4</sup> Multiply battery back up wattage by LPW to calculate lumen output during emergency mode

<sup>5</sup> Emergency mode CCT is only 5000K

### Accessories (Field Installed)

Battery Back Up Kit Options	
LTHES3-BB10-KIT <sup>4,5</sup>	Emergency Driver Kit, 10w
Drywall Mounting Options <sup>7</sup>	
TR-DW14-KIT	Troffer/Panel 1' x 4' Drywall Kit
TR-DW22-KIT	Troffer/Panel 2' x 2' Drywall Kit
TR-DW24-KIT	Troffer/Panel 2' x 4' Drywall Kit
Surface Mounting Options <sup>8</sup>	
TR-SM14-KIT	Troffer 1' x 4' Surface Mount Kit [4.125" Height]
TR-SM22-KIT	Troffer 2' x 2' Surface Mount Kit [4.125" Height]
TR-SM24-KIT	Troffer 2' x 4' Surface Mount Kit [4.125" Height]

### Physical Information

Fixture Size	Nominal Lumen Code	Length	Width	Depth	Weight <sup>6</sup>
2' x 2'	A1	23.70"	23.70"	2.10"	5.10lbs.
2' x 4'	B1	47.70"	23.70"	2.10"	8.70lbs.

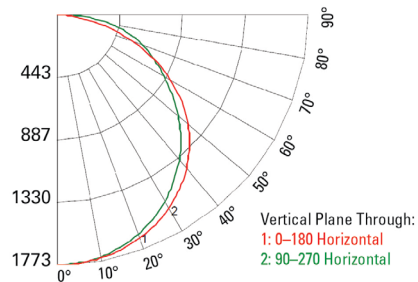
### Ambient Operating Temperatures

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

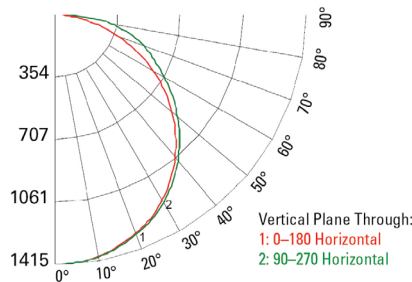
### Photometrics

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

24 B1 850



22 A1 850



### Additional Specification Information

<sup>4</sup> Multiply battery back up wattage by LPW to calculate lumen output during emergency mode

<sup>5</sup> Emergency mode CCT is only 5000K

<sup>6</sup> Weight varies based on option selected

<sup>7</sup> Adds recessed T-Bar to hard ceiling. Works with all new construction troffers and flat panel

<sup>8</sup> Works with all new construction troffers and flat panel