

LSLT1

Applications

The HARRIS LSLT1 is the ultimate flexible troffer with lumen output and correlated color temperature selection at the point of installation. This recessed lay-in troffer offers a high quality, cost-effective LED solution for commercial, office, retail, education or healthcare applications. The LSLT1 provides an even light distribution and ensures a glare-free environment. Ideal for new construction, this LED solution delivers energy savings over existing fluorescent troffers.



LSLT124E1UNVFD8CSM-SP



FIELD ADJUSTABLE
WATTAGE/LIGHT
OUTPUT AND CCT

Features

- Installer has the option to choose between three field selectable power/lumen outputs and three CCT options: 3500K, 4000K, 5000K providing flexibility to adapt to new work environment dynamics
- 1' x 4', 2' x 2' and 2' x 4' fixture size configurations
- Fits into standard 9/16" and 16/16" T-bar grid recessed ceilings
- Polycarbonate opaque matte lens diffuses glare in the work environment
- Certified for insulated plenums (Type IC). Suitable for Damp Locations
- Steel construction with powder coat finish
- Battery back up available
- Integrated microwave motion sensor available

Electrical

- Available in 120v-277v
- 0-10v Dimming to 10%
- Power Factor > .90
- Total Harmonic Distortion < 20%
- 1.2kA/2kV Surge Protection

Ambient Operating Range⁴

-20°C to 50°C [-4°F to 122°F]

Fixture Certifications & Listings

- UL/cULus Listed
- UL Damp Locations
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

Lumen Maintenance

See lumen maintenance table on page 2

Warranty

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



Performance Information, 120v, CRI ≥80²

Nominal Lumen Code	Wattage	3500K		4000K		5000K		Input Current
		Actual Lumens	LPW	Actual Lumens	LPW	Actual Lumens	LPW	
1' x 4'								
A1	20w	2,943lm	147	3,077lm	153	2,939lm	146	0.17A
	25w	3,580lm	142	3,743lm	148	3,576lm	142	0.21A
	30w	4,073lm	134	4,258lm	145	4,068lm	135	0.25A
2' x 2'								
B1	20w	2,730lm	136	2,876lm	144	2,759lm	138	0.17A
	25w	3,304lm	132	3,481lm	139	3,339lm	134	0.21A
	30w	3,851lm	128	4,065lm	136	3,892lm	130	0.25A
C1	30w	4,132lm	136	4,416lm	145	4,241lm	132	0.25A
	35w	4,595lm	133	4,911lm	142	4,769lm	138	0.29A
	40w	5,111lm	129	5,463lm	143	5,305lm	134	0.33A
2' x 4'								
D1	24w	3,341lm	137	3,547lm	145	3,387lm	139	0.20A
	29w	3,857lm	133	4,095lm	141	3,910lm	135	0.24A
	33w	4,179lm	128	4,437lm	140	4,236lm	130	0.28A
E1	34w	4,732lm	140	4,964lm	147	4,791lm	142	0.28A
	40w	5,460lm	137	5,723lm	144	5,524lm	139	0.33A
	45w	6,002lm	133	6,291lm	145	6,072lm	136	0.38A

Lumen Maintenance³

Fixture Size	Nominal Lumen Code	Ambient Operating Temperature	Calculated Lumen Maintenance		
			L70	L80	L90
1' x 4'	A1	25°C	190,000	120,000	58,000
		50°C	172,000	109,000	53,000
2' x 2'	B1	25°C	190,000	120,000	58,000
		50°C	166,000	105,000	51,000
2' x 2'	C1	25°C	188,000	119,000	58,000
		50°C	155,000	98,000	47,000
2' x 4'	D1	25°C	190,000	120,000	58,000
		50°C	175,000	110,000	53,000
2' x 4'	E1	25°C	190,000	120,000	58,000
		50°C	172,000	108,000	53,000

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

Series	Fixture Size	Lumen Output	Voltage	Dimming	CRI; Color Temp	Lens Options	Fixture Options	Control Options	Packaging Options
LSLT1	24	E1	UNV	FD	8CS	M	[blank]	[blank]	-SP

Ordering Information

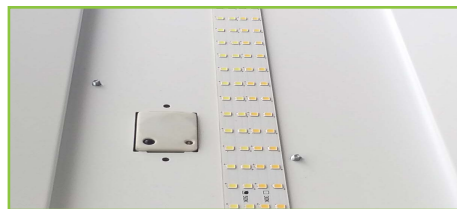
Series	Fixture Size	Lumen Output!* 1' x 4' 2' x 2' 2' x 4'	Voltage	Dimming	CRI; Color Temp*	Lens Options	Fixture Options	Control Options	Packaging Options
LSLT1 = HARRIS LED Lumen Select Troffer, Gen 1	14 = 1' x 4' 22 = 2' x 2' 24 = 2' x 4'	A1 = 3,000lm/3,500lm/4,000lm 2' x 2' B1 = 3,000lm/3,500lm/4,000lm C1 = 4,000lm/4,500lm/5,000lm 2' x 4' D1 = 3,500lm/4,000lm/4,500lm E1 = 5,000lm/5,500lm/6,000lm	UNV = 120v-277v	FD = 0-10v Dimming Capable [Dims to 10%]	8CS = 80CRI; Color Selectable 3500K/ 4000K/ 5000K	M = Opaque Matte Polycarbonate	[blank] = No Option BB08 = Battery Back Up, 8w 90 min. ^{4,6}	[blank] = No Option MWS = Microwave Motion Sensor** **Note: Not available for 1' x 4' models	-SP = Single Pack

*Note: All fixtures are set to the mid range output at 4000K [ex: **LSLT114A1** = 3,500 lumens at 4000K factory setting]

Factory Installed Fixture Options



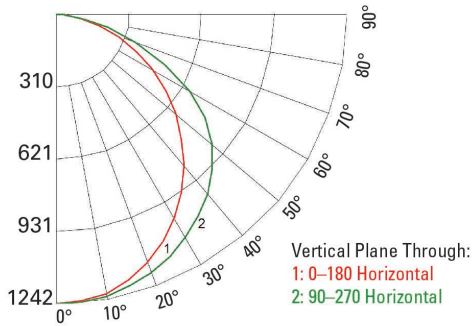
Battery Back Up
(BB08)



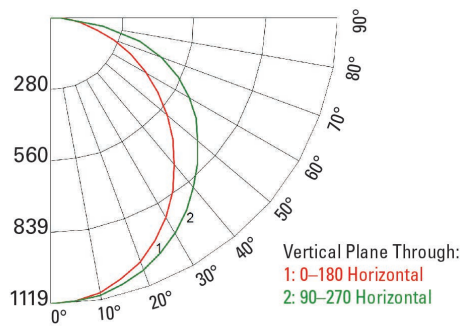
Microwave Motion Sensor
(MWS)

Photometrics

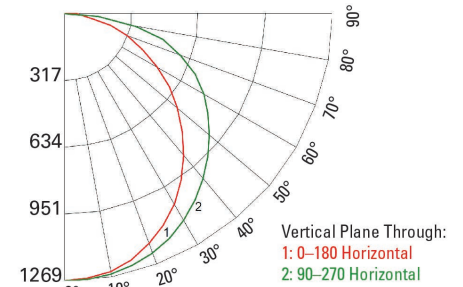
A1 25w 4000K



B1 25w 4000K



D1 29w 4000K



Physical Information

Fixture Size Configuration	Length	Width	Depth (Without Sensor Cover)	Depth (Including Sensor Wiring Cover)	Weight ⁵
1' x 4'	47.8"	11.8"	2.8"	3.6"	9.9lbs.
2' x 2'	23.8"	23.8"	2.8"	3.6"	7.7lbs.
2' x 4'	47.8"	23.8"	2.8"	3.6"	12.8lbs.

Designed to fit industry standard 1' x 4', 2' x 2', and 2' x 4' T-Bar grid openings

Additional Specification Information

¹ For actual lumens, see performance table

² Actual performance may vary by up to ±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

⁴ Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F [0°C] or above 113°F [45°C]

⁵ Weight will vary based on option selection

⁶ **BB08** - Emergency mode CCT is only 4000K and 5000K