

LTHE1

Applications

The HARRIS LTHE1 recessed Lay-In Troffer is for use in commercial, office, retail, education, healthcare or anywhere T-Bar Lay-In Grid is found in 1' x 4', 2' x 2', and 2' x 4'. This Luminaire has the same aesthetic as the LDRE1 troffer retrofit and can be used in the same space. The LTHE1 provides even light distribution and improved energy savings over commonly used fluorescent troffers.



LTHE1G1UNVFDXX84024M-BB

Features

- Wide light distribution reduces wall and ceiling dark spaces
- Matte white finish fixture ends and acrylic contour lens diffuses glare in the work environment
- Antimicrobial Britex™ finish available option
- Integrated sensor option fully assembled at factory
- IoT ready fixture with various wireless sensor and control options
- Energy efficient with low environmental impact
- Title 24 compliant with seismic cable kit option
- Room side access to electronic components

Electrical

- Available in 120v-277v
- Hardwired fixture
- Full Dimming [0-10v] and Step Dimming available
- Lutron® dimming drivers require an existing Lutron® control system

Ambient Operating Range

See ambient operating table on page 2

Fixture Certification & Listings

- UL/cUL Listed for damp locations
- Buy American Act Compliant
- DesignLights Consortium™ Standard 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>

Rated Life

100,000 hours L70

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



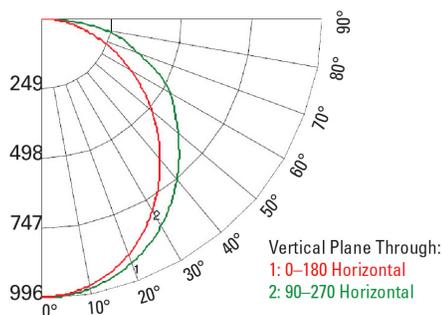
Performance Information, 120v³

Series	Nominal Lumen Code	Actual Lumens	Wattage	LPW	CCT	CRI	Input Current	Power Factor
1' x 4'								
LTHE1	A1	2,157lm	17w	128	4000K	≥80	0.14A	>.90
LTHE1	B1	3,111lm	25w	123	4000K	≥80	0.21A	>.90
LTHE1	C1	4,288lm	35w	123	4000K	≥80	0.29A	>.90
2' x 2'								
LTHE1	D1	2,163lm	22w	99	4000K	≥80	0.18A	>.90
LTHE1	E1	2,880lm	26w	113	4000K	≥80	0.21A	>.90
LTHE1	F1	3,974lm	38w	104	4000K	≥80	0.32A	>.90
2' x 4'								
LTHE1	G1	3,179lm	26w	121	4000K	≥80	0.22A	>.90
LTHE1	H1	4,251lm	34w	124	4000K	≥80	0.28A	>.90
LTHE1	I1	5,170lm	43w	121	4000K	≥80	0.36A	>.90
LTHE1	J1	5,869lm	52w	112	4000K	≥80	0.44A	>.90

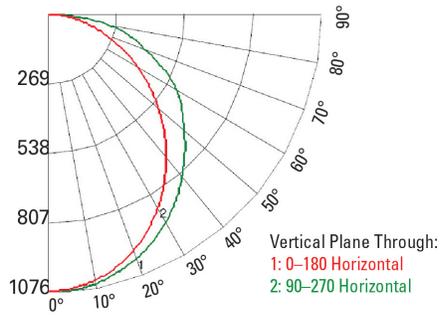
Photometrics

Visit orionlighting.com to obtain all .IES files

E1 840



G1 840



Ambient Operating Temperatures

Nominal Lumen Code	Standard Range
All Lumen Packages	0°C to 45°C [32°F to 113°F]

Physical Information⁴

Nominal Lumen Code	Length/Width	Depth	Weight
A1/B1/C1	Designed to Fit Industry Standard 1' x 4', 2' x 2', and 2' x 4' T-Bar Grid Openings	3.13"	4.00lbs.
D1/E1/F1		3.13"	6.00lbs.
G1/H1/J1/I1		3.13"	11.00lbs.

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

Series	Nominal Lumen Code	Voltage	Driver Type	CRI; Color Temp	Fixture Size	Lens Options	Fixture Options	Control Options	Packaging Options
LTHE1	G1	UNV	FDXX	840	24	M	[Blank]	-L2	-SP

Ordering Information

Series	Nominal Lumen Code ¹	Voltage	Driver Type ²	CRI; Color Temp	Fixture Size	Lens Options	Fixture Options	Control Options	Packaging Options
LTHE1= HARRIS LED Troffer LTHE, Gen 1	1' x 4' A1= 2,000lm B1= 3,000lm C1= 4,000lm	UNV= 120v-277v	FDXX= Full Dimming 0-10v ⁸ FD50= Step Dimming 50% ^{6,7} FDHB= LDE1 Hi-lume 1% EcoSystem Lutron LED driver with Soft-on, Fade-to-Black dimming technology ^{7,9} FDH2= LTEA Hi-lume 1% 2-wire Lutron LED driver (120v forward phase only) ^{5,7,9} FD55= LDE5 5-Series EcoSystem Lutron LED driver ^{7,9}	835= 80CRI; 3500K 840= 80CRI; 4000K 850= 80CRI; 5000K	14= 1' x 4' 22= 2' x 2' 24= 2' x 4'	M= Opaque Matte	[Blank]= No Option -BB= Battery Back Up -AM= Antimicrobial Britex™ Finish	[Blank]= No Option -EN= Enlighted Integral Sensor ⁷ -ZB= Zigbee Wireless Ready Control ^{7,10} -EL= Zigbee Wireless Encelium Network Ready Control ^{7,11} -ME= Magnum EnOcean Integral Sensor ⁷ -P2= Philips EasySense Integral Sensor SNS200 ⁷ -L1= Lutron Vive Integral Control [RF Only] ⁷ -L2= Lutron Vive Integral Sensor [RF Plus Sensor] ⁷ Note: For more information on options above, select the hyperlinks	[Blank]= Bulk Pack -SP= Single Pack
	2' x 2' D1= 2,000lm E1= 3,000lm F1= 4,000lm								
	2' x 4' G1= 3,000lm H1= 4,000lm I1= 5,000lm J1= 6,000lm ⁵								

Accessories (Field Installed)

Additional Fixture Accessories	
LDRE-SCBL-1FT-KIT	1' x 4' Fixture Seismic Cable
LDRE-SCBL-2FT-KIT	2' x 2' Fixture Seismic Cable
LDRE-SCBL-4FT-KIT	2' x 4' Fixture Seismic Cable

Accessories (Field Installed)



Seismic Cable Kit
(LDRE-SCBL-4FT-KIT)

Fixture Options (Factory Installed)



Battery Back-Up
(-BB)



Integrated Enlighted Sensor
(-EN)



Integrated Zigbee Control
(-ZB)



Integrated Magnum Sensor
(-ME)



Integrated Lutron Vive Control
(-L1)



Integrated Lutron Vive Sensor
(-L2)



Integrated EasySense Sensor
(-P2)

Additional Specification Information

¹ For actual lumens, see performance table

² "XX" is a character placeholder for the manufacturing configuration

³ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

⁴ Weight and depth will vary based on option selection

⁵ **J1** lumen package options are not available with FDH1, FDH2 and FDH3 driver types

⁶ **FD50** (step dimming) option requires two separate hot leads per fixture

⁷ **FD50** (step dimming) or Lutron driver options are not available with **-EN, -ZB, -P2, -L1, -L2, -ME** listed under "control options" section in order information

⁸ **FDXX** 0-10v driver configurations are compatible with most third party control systems

⁹ Lutron® dimming drivers require a Lutron® control system installed prior to ordering fixtures with Lutron® dimming drivers

¹⁰ Only compatible with non-ENCELIUM EXTEND/EDGE Light Management Systems

¹¹ Only compatible with ENCELIUM EXTEND Network Light Management System and ENCELIUM EDGE Wireless Light Management System