Clarity® (CLRT)
Architectural LED Troffer
Field Selectable

OVERVIEW

Lumen Package (lm)	2,800-5,400
Form Factors (ft.)	2x2, 2x4
Wattage Range (W)	27-48
Efficacy Range (LPW)	96-120
Fixture Weight lbs (kg) 2x2 2x4	8 (3.6) 14 (6.4)
Controls	ALB

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- 2x2, 2x4 and 1x4 form factors
- Cold-rolled sheet metal 22 gauge
- Post-painted for high quality finish
- Operating temperature: 32°F to +104°F (0°C to 40°C)
- Laser-etched center diffuser
- Field selectable color temperature and lumen output

Optical System

- Edge-lit illumination combined with back reflector for glare-free illumination
- Selectable brightness to suit a wide range of applications
- Selectable CCT for maximum user flexibility
- Minimum color rendering index (CRI) of 80 for high visual acuity.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over-temperature protection.
- Selectable power to maximize energy and space savings
- Factory-integrated or remote battery backup
- IC rated for insulated ceilings
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz
- L70 Calculated Life: >60k hours (See Lumen Maintenance on Page 5)
- Power factor (PF): > 0.90
- Total harmonic distortion (THD): <20%

Controls

- Compatible with AirLink™ Blue. AirLink Blue. (ALB) is a low-power wireless Bluetooth mesh control system. ALB provides significant energy savings while ensuring code compliance and security. See the accessories section for component information.

Installation

- Recessed grid mounting.
- Flange Kit and Surface Mount accessories available for additional mounting options.
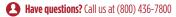- Includes earthquake clips for secondary retention.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Suitable For Damp Locations.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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Have questions? Call us at (800) 436-7800

Type : _____

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: CLRT24 FS1 UNV			
Prefix	**Light Output, CCT**	**Voltage**	**Options**
CLRT22	**FS1** 3,100 - 3,600-4,100 lm 3000-3500-4000K	**UNV** - 120 - 277V	**Blank** - None **ALBC** - Integral AirLink Blue Wireles Controller **EM8** - 8W Emergency Battery Backup 120-277V **FC15D** - 6' Cord 3/8" (5 Wire) #18 Leads
CLRT24	**FS1** 3,400 - 4,400-5,400 lm 3000-3500-4000K		**FC16DEM** - 6' Cord 3/8" (6 Wire) #18 Leads **90C** - 90 CRI min[4] **WxxCyy** - Factory locked Wattage and CCT (See Performance Table for Available Configurations)
CLRT14	**FS1** 2,200 - 3,300-4,300 lm 3000-3500-4000K		

Need more information?
[Click here for our glossary](#)

Have additional questions?
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ACCESSORY ORDERING INFORMATION

Part Number	Description
786277	8W Remote Battery with T-Grid Hangar
778196	8W Remote Battery without T-Grid Hangar
M20027	Flange Kit 2x2
M20026	Flange Kit 1x4

Part Number	Description
M20028	Flange Kit 2x4
772276	Surface Mount Kit 2x2
772278	Surface Mount Kit 2x4
772275	Surface Mount Kit 1x4

PERFORMANCE

Delivered Lumens*

Form Factor	Wattage	3000K		3500K		4000K	
		Delivered Lumens	**Efficacy**	**Delivered Lumens**	**Efficacy**	**Delivered Lumens**	**Efficacy**
CLRT22	38	3699	96	4111	114	4055	110
	32	3315	104	3685	115	3635	113
	28	2882	102	3206	114	3162	115
CLRT24	48	4846	97	5418	116	5342	112
	38	4034	106	4510	118	4448	116
	29	3120	108	3489	120	3441	120
CLRT14	20	2063	105	2224	113	2289	116
	29	2983	102	3215	110	3309	113
	39	3889	99	4192	107	4315	110

*LEDs are frequently updated therefore values are nominal.

Electrical Data – Current Draw AMPS*

Lumen Package	Wattage	120V	208V	240V	277V
CLRT22	38.00	0.31	0.18	0.15	0.13
	32.00	0.27	0.15	0.13	0.12
	28.00	0.23	0.13	0.12	0.10
CLRT24	48.00	0.40	0.23	0.20	0.17
	38.00	0.32	0.18	0.16	0.14
	29.00	0.24	0.14	0.12	0.10
CLRT14	20	0.16	0.09	0.08	0.07
	29	0.24	0.14	0.12	0.11
	39	0.33	0.19	0.16	0.14

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

Recommended Lumen Maintenance[1]

Ambient Temperature	Initial[2]	25K hrs.[2]	50K hrs.[2]	75K hrs.[3]	100K hrs.[3]
0 C	100%	94%	88%	82%	77%
10 C	100%	94%	88%	82%	77%
20 C	100%	94%	88%	82%	77%
25 C	100%	94%	88%	82%	77%
30 C	100%	94%	88%	82%	77%
40 C	100%	94%	88%	82%	77%

1 - Lumen maintenance values at 25ºC are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
4 - Contact factory for details.

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PRODUCT DIMENSIONS

CLRT22

23 3/4"   3 1/2"

23 3/4"

CLRT24

47 3/4"   3 1/2"

23 3/4"

CLRT14

47 3/4"   3 1/2"

11 5/8"