



Catalog #: _____ Project: _____

Prepared By: _____ Date: _____ Type: _____

Clarity® (CLRL)

Architectural Direct/Indirect Linear



OVERVIEW	
Lumen Output Range (lm)	4,800-9,800
Form Factors (ft.)	4, 8
Wattage (W)	38-84
Efficacy Range (LPW)	114-116
Fixture Weights lbs (kg)	4ft. 5.5 (2.6) 8ft. 11.3 (5.1)

QUICK LINKS

- Ordering Guide
- Performance
- Photometrics
- Dimensions

FEATURES & SPECIFICATIONS

Construction

- 4ft. and 8ft. form factors
- Extruded Aluminum construction
- Post-painted for high quality finish
- Operating temperature: 32°F to +104°F (0°C to 40°C)
- Row mounting and quick wiring standard with every unit

Optical System

- High-precision laser etched light guide for up/down illumination
- 40/60 up/down distribution for low-glare illumination and superior ambient lighting
- Minimum color rendering index (CRI) of 80 for high visual acuity

Electrical

- High-performance class 2 driver features over-voltage, under-voltage, short-circuit and over-temperature protection

- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz
- 0-10V dimming (10% - 100%) standard. Compatible with most commercially available dimmers.
- L70 Calculated Life: >60k hours (See Lumen Maintenance table)
- Power factor: >0.90
- Total harmonic distortion: <20%
- Optional emergency remote battery backup available for standby lighting

Controls

- Available with AirLink Blue (ALB) external circuit control and accessories.
- ALB is a low-power wireless Bluetooth mesh control system. ALB provides significant energy savings while ensuring code compliance and security.

Installation

- Dry ceiling (standard) or Grid ceiling suspension
- See ordering guide for mounting accessories

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.
- 1 Year warranty on optional Battery Backup. Test regularly in accordance with local codes.

Listings

- Certified to UL 1598 and UL 8750
- Suitable for damp locations



Clarity Architectural Linear

ORDERING GUIDE

[Back to Quick Links](#)TYPICAL ORDER EXAMPLE: **CLRL8 11L 46 UNV 840**

Prefix	Light Output Per Foot	Up/Down Percentage	Voltage	CCT & CRI	Sensing & Control	Options ¹
CLRL4 CLRL8	11L - 1,100lm min/ft.	46 - 40% up, 60% down	UNV - 120-277VAC	840 - 80 CRI, 4000K 835 - 80 CRI, 3500K	Blank - No option	Blank - No option

Accessory Ordering Information (Accessories are field installed)

Item#	Description 1	Description 2
782898	GCMK 15/16 FLAT GRID	15/16" flat T-grid mounting kit
782899	GCMK 9/16 FLAT GRID	9/16" flat T-grid mounting kit
782900	GCMK 15/16 SLOT GRID	15/16" slot T-grid mounting kit
782901	GCMK 9/16 SLOT GRID	9/16" slot T-grid mounting kit
778196	EM8RB	8W Remote Mount Battery Pack
755249	ALBC 5A	5A Circuit controller
755248	ALBCM DHS	Air Link Blue Daylight Harvesting Sensor

What's included
Luminaire
Aircraft cable and adjusters
Butterfly drywall anchors
Feed Canopy cover (4")
Non-feed canopy cover (2")
Power cable with connector
Cover plate for through wiring

FOOTNOTES:

- White finish standard. Contact factory for custom colors.

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*							
Lumen Package	Wattage	CRI (Min.)	3500K CCT		4000K CCT		
			Lumens	Efficacy	Lumens	Efficacy	
CLRL4 11L 46 UNV 8XX	42	80	4793	114	4810	115	
CLRL8 11L 46 UNV 8XX	84	80	9586	114	9729	116	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)*					
Lumens	Wattage	120V	208V	240V	277V
CLRL4 11L 46 UNV 8XX	42	0.35	0.20	0.18	0.15
CLRL8 11L 46 UNV 8XX	84	0.70	0.40	0.35	0.30

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

LUMEN MAINTENANCE ¹					
Ambient Temp		Lumen Multiplier			
C	0 hrs. 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%
50 C	100%	94%	88%	82%	77%

- Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- 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).
- 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).

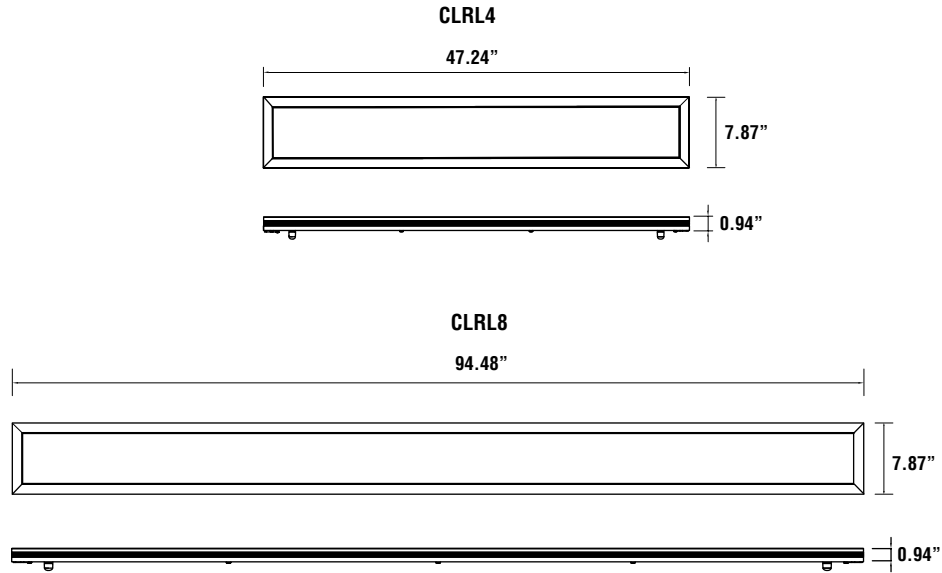




Clarity Architectural Linear

PRODUCT DIMENSIONS

[Back to Quick Links](#)



PHOTOMETRICS

Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

CLRL4 11L 46 UNV 840

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixt
0-20	194.9	3.9
0-30	452.9	9.1
0-40	827.2	16.7
0-60	1,810.9	36.5
0-80	2,580.2	52.0
0-90	2,675.5	53.9
10-90	2,627.9	53.0
20-40	632.3	12.7
20-50	1,103.8	22.2
40-70	1,446.0	29.1
60-80	769.3	15.5
70-80	307.0	6.2
80-90	95.3	1.9
90-110	480.1	9.7
90-120	971.2	19.6
90-130	1,418.1	28.6
90-150	1,996.8	40.2
90-180	2,286.4	46.1
110-180	1,806.3	36.4
0-180	4,961.8	100.0

