

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The STL combines digital LED lighting and controls technologies with high-performance optical design to offer the most advanced surface-mount luminaire for general ambient lighting applications. High-efficacy light engine delivers long life and excellent color, ensuring a superior quality lighting installation that is highly efficient and sustainable.

**CONSTRUCTION** — Housing is roll formed from code-gauge steel.

Impact modified linear-faceted refractor with light diffusing film. Refractor attaches to die cast ends by simple hook and pin design with controlled tension provided by sonically welded end plate, providing secure installation and easy maintenance.

Decorative die-cast end caps provide added durability.

Finish: All metal parts are post-painted in white polyester powder coat for smooth, finished edges and uniform light distribution. Natural aluminum finish available on end caps (see Options).

Injection-molded plastic light traps prevent light leaks between shielding and end plates and centers diffuser on channel.

**OPTICS** — Volumetric illumination is achieved by creating an optimal mix of light to vertical and horizontal work surfaces, rendering interior space, objects and occupants in a more balanced luminous environment. Light distribution is carefully controlled at high angles, providing just enough luminous flux to create the volumetric effect.

Angled mounting surface combined with crescent-shape linear faceted refractor system obscures and integrates individual LED images and uniformly washes fixture surface with light.

**ELECTRICAL** — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. STL is rated to deliver L90 performance at 60,000 hours. The LEDs have a CRI of 82.

eldoLED driver options deliver choice of dimming range and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional nLight® embedded controls continuously monitor system performance, allow for constant lumen management / compensation function, facilitate simple “plug-and-play” network and controls upgrading via Cat-5 cable. Ballast disconnect provided where required to comply with US and Canadian codes.

**LISTINGS** — CSA certified to meet U.S. and Canadian standards.

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](http://www.designlights.org/QPL) to confirm which versions are qualified.

Patents pending. Damp listed.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Catalog Number
Notes
Type



Surface Volumetric

# STL4



4'  
LED



### INDUSTRY RECOGNITION/AWARDS



**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** STL4 20L EZ1 LP840

STL4 Series	Lumens <sup>1</sup>	Voltage	Driver	Color temperature	Control	Options	Finish <sup>6</sup>
STL4 4' surface volumetric LED	20L	(blank)	MVOLT (120-277)	LP830 3000K	(blank) No controls	EL7L LED Emergency battery pack (nominal 700 lumens); see Life Safety section	(blank) White
	30L	347	347V <sup>2</sup>	LP835 3500K	N80 nLight with 80% (L80) lumen management	EL14L LED Emergency battery pack (nominal 1400 lumens); see Life Safety section	DNA Natural aluminum
	40L			LP840 4000K	N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power		
	48L			LP850 5000K	N100 nLight without lumen management		
	60L				N100EMG nLight without lumen management for use with generator supply EM power		
			EZ1 eldoLED dims to 1%, 0-10V		LSXRHL Sensor Switch® fixture mount sensor with High/Low occupancy operation <sup>5</sup>		
			EZB eldoLED dims to dark, 0-10V		LSXR10 Sensor Switch® fixture mount sensor with On/Off occupancy operation	SC2 Surface conduit end cap provisions for both end caps	
			SLD Step-level dimming <sup>3</sup>				
			EXA1 Dims to 1%, XPoint wireless enabled <sup>3,4</sup>				
			EXAB Dims to dark, XPoint wireless enabled <sup>3,4</sup>				

Accessories: Order as separate catalog number.	
STCR	Continuous row connector (see mounting data)
STACG__	ST adjustable aircraft cable gripper suspension kit (specify length as 36 or 72 inches) (specify ceiling type F1 or F2 - see mounting data)
STACGF__	ST adjustable aircraft cable gripper with power feed (specify length as 36 or 72 inches) (specify ceiling type F1 or F2 - see mounting data)
STACGE__	ST adjustable aircraft cable gripper with emergency power feed (specify length as 36 or 72 inches) (specify ceiling type F1 or F2 - see mounting data)

### Notes

- 1 Approximate lumen output.
- 2 Not available with EL battery packs or SLD driver.
- 3 Not available with controls options
- 4 Gateway not included. Requires on-site commissioning. Visit [www.lightingcontrols.com/XPointWireless](http://www.lightingcontrols.com/XPointWireless) for more information.
- 5 Requires SC1 option. Dims to approximately 10% light output when unoccupied. See sensor details on next page.
- 6 For additional paint finishes refer to: [Architectural Colors](#).

# STL4 LED Surface Volumetric

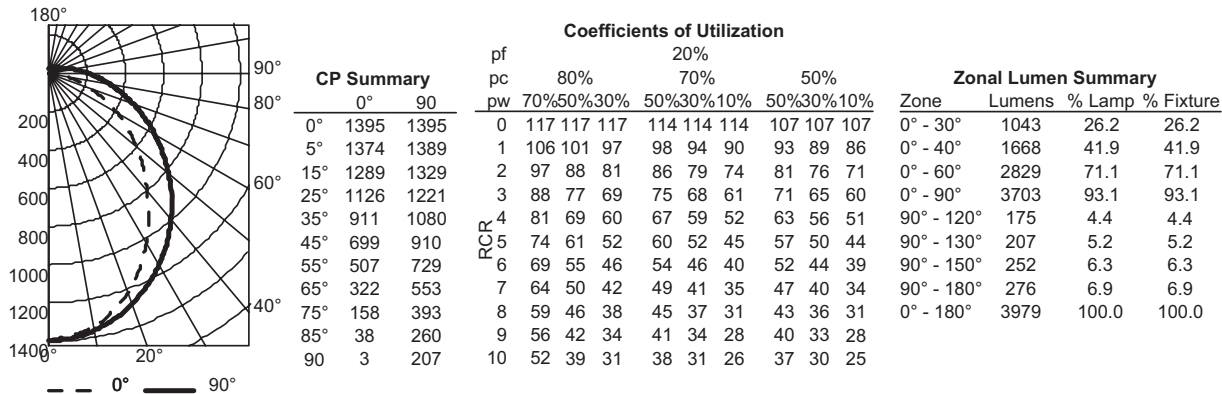
Performance Data			
Lumen Package	Input Watts <sup>1</sup>	Lumens	LPW
30L LP830	26.7	2904	108.8
30L LP835	26.7	3049	114.2
30L LP840	26.7	3195	119.7
30L LP850	26.7	3282	122.9
40L LP830	34.9	3688	105.7
40L LP835	34.9	3834	109.9
40L LP840	34.9	3979	114.0
40L LP850	34.9	4124	118.2
48L LP830	45.2	4615	102.1
48L LP835	45.2	4850	107.3
48L LP840	45.2	5088	112.6
48L LP850	45.2	5184	114.7
60L LP830	53.2	5294	99.5
60L LP835	53.2	5559	104.5
60L LP840	53.2	5811	109.2
60L LP850	53.2	5954	111.9



Sensor Switch LSXR Sensor	
<b>Lens type:</b>	<b>10</b> - Low Mount 360°
<b>Dimming:</b>	<b>HL</b> - High/Low Occupancy operation
<b>Min Dim Level:</b>	<b>3V</b> - approximately 10% light output when unoccupied
<b>Time Delay:</b>	<b>5M</b> - 5 minutes

## PHOTOMETRICS

STL4 40L E21 LP840, 3979 delivered lumens, test no. LTL25690, tested in accordance to IESNA LM-79.



## MOUNTING DATA

Suspension Kit Ceiling Types: F1 for use with most T-bar and screw slot grid ceiling applications. Designed for on-grid and off-grid installations.

F2 for use with recessed or surface-mount horizontal J-box applications.

For unit or row installation; surface or suspend mounting.

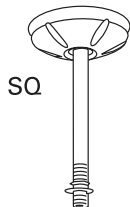
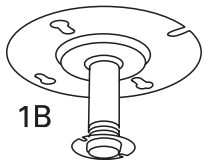
Individual installation — One double-stem or two single-stem hangers required.

For aircraft cable, one STACG\_, STACGF\_, or STACGE\_ required for each suspension point.

Row installation — Order one (1) STCR accessory per fixture for continuous row applications. Not required for last fixture in row. One hanger per fixture plus one per row required.

Note: 2' configurations with emergency option cannot be stem mounted.

See ACCESSORIES below for hanging devices.



## DIMENSIONS

All dimensions are inches (centimeters) unless otherwise noted.

### Specifications

Length: 46-3/8 (117.8)

Width: 10-1/8 (25.7)

Depth: 3-7/8 (9.8)

Weight: 13LB

A = 1/4 x 1/2 (.635 x 1.27) Oval Hole

B = 11/16 (1.75) Dia. K.O.

C = 7/8 (2.22) Dia. K.O.

