LITHONIA LIGHTING®

ST SERIES

Surface Volumetric

STL4

4'

LED

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 to confirm which versions are qualified.

Patents pending. Damp listed.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*

- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

STL4 LED Surface Volumetric

STL4										
Series		**Lumens[1]**	**Voltage**		**Driver**		**Color temperature**	**Control**		**Options**		**Finish[5]**	

Series	Lumens[1]	Voltage	Driver	Color temperature	Control	Options	Finish[5]
STL4 — 4' surface volumetric LED	20L 30L 40L 48L 60L	(blank) — MVOLT (120-277) 347 — 347V[2]	EZ1 — eldoLED dims to 1%, 0-10V EZB — eldoLED dims to dark, 0-10V SLD — Step-level dimming[3] GZ10 — Dims to 10% (0-10V dimming)[6]	LP830 3000K LP835 3500K LP840 4000K LP850 5000K	(blank) — No controls N80 — nLight with 80% (L80) lumen management N80EMG — nLight with 80% (L80) lumen management for use with generator supply EM power N100 — nLight without lumen management N100EMG — nLight without lumen management for use with generator supply EM power LSXRHL — Sensor Switch® fixture mount sensor with High/Low occupancy operation[4] LSXR10 — Sensor Switch® fixture mount sensor with On/Off occupancy operation	EL7L — 700 nominal lumen battery pack (Noncompliant with CA T20) EL14L — 1400 nominal lumen battery pack (Noncompliant with CA T20) E10WLCP — EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS SC1 — Surface conduit end cap provisions for one endcap SC2 — Surface conduit end cap provisions for both end caps BDP — Factory Installed Ballast Disconnect Plug	(blank) White DNA Natural aluminum MB Matte Black

Accessories: *Order as separate catalog number.*

CI Code	Model	Kit Type	Voltage	Dimming	Length	Ceiling Type*
*208XVT	STACG36 F1	Adjustable aircraft cable gripper suspension kit	NA	NA	36 inch	F1
*208XVY	STACG36 F2					F2
*208XW2	STACG72 F1				72 inch	F1
*208XVW	STACG72 F2					F2
*208XW7	STACGF36 F1	Adjustable aircraft cable gripper w/power feed	120-277V	Non-Dimming	36 inch	F1
*208XVV	STACGF36 F2					F2
*208XW3	STACGF72 F1				72 inch	F1
*208XW0	STACGF72 F2					F2
*2594WC	STACGFD36 F1			0-10V Dimming	36 inch	F1
*2594WK	STACGFD36 F2					F2
*2594WP	STACGFD72 F1				72 inch	F1
*2594WV	STACGFD72 F2					F2
*2594X0	STACG347FD36 F1		347V		36 inch	F1
*2594YJ	STACG347FD36 F2					F2
*2594YK	STACG347FD72 F1				72 inch	F1
*2594YN	STACG347FD72 F2					F2
*210AC1	STACGE36 F1	Adjustable aircraft cable gripper w/emergency power feed	120-277V	Non-Dimming	36 inch	F1
*210CN1	STACGE36 F2					F2
*210AAV	STACGE72 F1				72 inch	F1
*210CMP	STACGE72 F2					F2

*Reference mounting data for ceiling type

Notes

1 Approximate lumen output.
2 Not available with EL battery packs or SLD driver.
3 Not available with controls options
4 Requires SC1 option. Dims to approximately 10% light output when unoccupied. See sensor details on next page.
5 For additional paint finishes refer to: Architectural Colors.
6 GZ10 drivers not available with any Controls or sensor options.

STL4 LED Surface Volumetric

Performance Data			
Lumen Package	**Input Watts¹**	**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

How to Calculate Delivered Lumens in Emergency Mode
Use the formula below to determine the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Ouput power of emergency driver. P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

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

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.

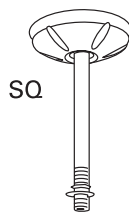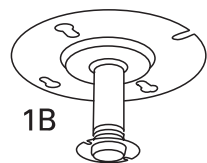F2 for use with recessed or surface-mount horizontal J-box applications.

For unit or row installation; surface or suspend mounting.

Individual installation — Two single-stem hangers required.

For aircraft cable, one STACG_, STACGF_, or STACGE_ required for each suspension point.

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

See ACCESSORIES below for hanging devices.

1B

SQ

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.