

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 L80 performance for 50,000 hours.

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. LED AccuDrive™ driver delivers full-range dimming from 0-10V control signal. Ballast disconnect provided where required to comply with US and Canadian codes.

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

Patents pending. Damp listed.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

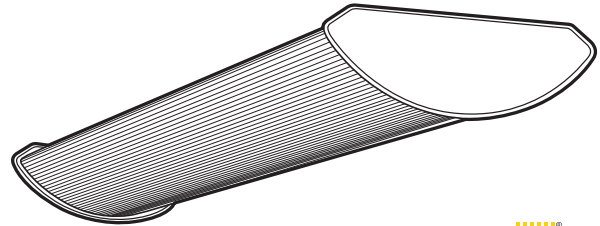
Catalog Number
Notes
Type



Surface Volumetric

STL

2' and 4'
LED



DESIGNLIGHTS
CONSORTIUM



INDUSTRY RECOGNITION/AWARDS



2012 BEST IN CLASS



2011 ARCHITECTURAL SSL PRODUCT
INNOVATION AWARD

ORDERING INFORMATION

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

Example: STL2 22L D26 LP835 NX

Series	Lumens ¹	Voltage	Wattage ⁶	Color temperature	Control	Options	Finish ¹⁴
STL2 2' surface volumetric LED	22L ^{2,4} 40L ^{3,4}	(blank) MVOLT (120-277)	D26 26W ^{2,7} D40 40W ^{3,7,8}	LP830 82 CRI, 3000 kelvin ^{10,11}	NX Less controls BLD Bi-level dimming ^{3,12}	EL14L LED Emergency battery pack (nominal 1400 lumens); see Life Safety section ^{3,13}	(blank) White DNA Natural aluminum
STL4 4' surface volumetric LED	48L ^{3,4}	347 347V ⁵	D50 50W ^{3,7,9}	LP835 82 CRI, 3500 kelvin LP840 82 CRI, 4000 kelvin LP850 82 CRI, 5000 kelvin ^{10,11}	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		

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 For use with STL2 only.
- 3 For use with STL4 only.
- 4 Actual performance may differ as a result of end-user environment and application.
- 5 Not for use with EL14L.
- 6 Approximate input power.
- 7 Actual wattage may differ by -3% to +6% when operating between 120-277V +/-10%.
- 8 For use with 40L only.
- 9 For use with 48L only.
- 10 Extended lead time.
- 11 Not available with 40L.
- 12 Not for use with EL14L on 48L system.
- 13 For use with NX control option only.
- 14 For additional paint finishes refer to: [Architectural Colors](#).

STL LED Surface Volumetric

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 STACG₁, STACGF₁ or STACGE₁ 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: 22-7/8 (58.1) or 46-3/8 (117.8)

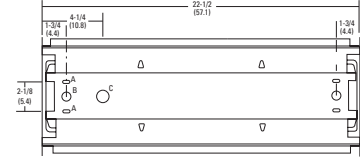
Width: 10-1/8 (25.7)

Depth: 3-7/8 (9.8)

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

B = 1/4 x 1/2 (.635 x 1.27) K.O.

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



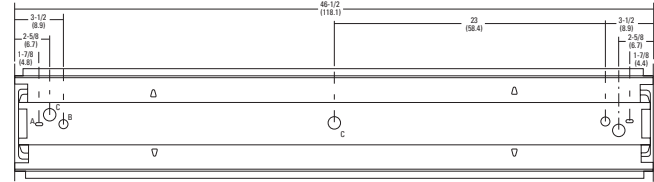
ENERGY DATA

LED Energy Comparison to Two-Lamp T5/T8 (4')

System	Lamp type	Ballast factor	Input watts	Watts saved by used LED
LED-N100	LED	1.0	50	--
LED-80 ¹	LED	1.0	40	--
Two-lamp T8	F32T8	0.88	55	5
Two-lamp T5	F28T5	1.0	58	8

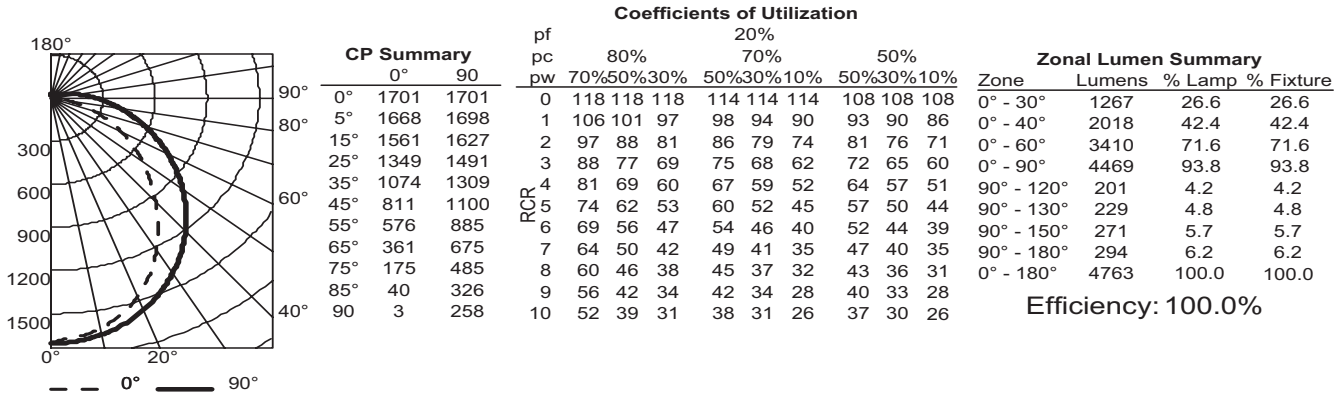
Notes

1 With nlight 80% lumen management input watts start at 40 and gradually increasing to 50 at 50,000 hrs.



PHOTOMETRICS

STL4 48L D50 LP835 N100, 4,763 delivered lumens, test no. LTL20794, tested in accordance to IESNA LM-79.



STL2 22L D26 LP835 N100, 2,205 delivered lumens, test no. LTL20840, tested in accordance to IESNA LM-79.

