



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. Complete warranty terms located at 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 ¹	Voltage	Driver	Color temperature	Control	Options	Finish ⁶
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 EXA1 Dims to 1%, XPoint wireless enabled ^{3,4} EXAB Dims to dark, XPoint wireless enabled ^{3,4}	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 ⁵ LSXR10 Sensor Switch® fixture mount sensor with On/Off occupancy operation	EL7L LED Emergency battery pack (nominal 700 lumens); see Life Safety section EL14L LED Emergency battery pack (nominal 1400 lumens); see Life Safety section SC1 Surface conduit end cap provisions for one endcap SC2 Surface conduit end cap provisions for both end caps	(blank) White DNA Natural aluminum

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 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 ¹	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

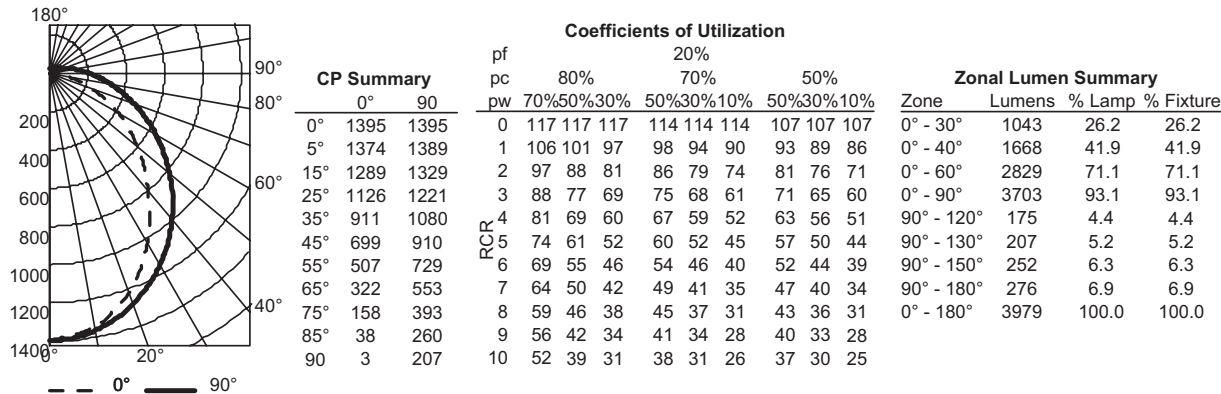


Sensor Switch LSXR Sensor

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

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.

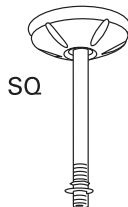
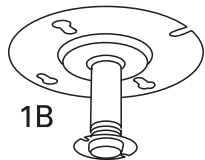
Individual installation — One double-stem or two single-stem hangers required.

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)

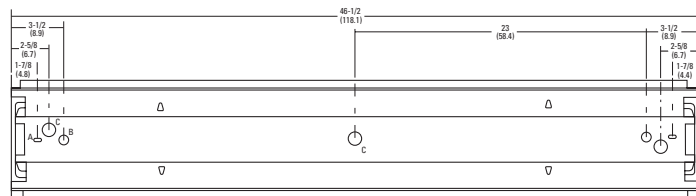
Depth: 3-7/8 (9.8)

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.





FEATURES & SPECIFICATIONS

INTENDED USE — For wall or ceiling mounting, vertical or horizontal. The WL combines digital LED lighting and controls technologies with high-performance optical design to offer the most advanced wall-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.

Refractor is retained in die cast ends 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.

OPTICS — Impact modified linear faceted refractor. Optically engineered for superior light distribution and maximum efficacy.

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. 90% LED lumen maintenance at 60,000 hours (L90/60,000). 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.

Driver disconnect provided where required to comply with US and Canadian codes.

CONTROLS — Optional nLight™ embedded controls continuously monitor system performance and allow for constant lumen management function.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing energy waste created by the traditional practice of over-lighting.

Integral occupancy control: Integrated occupancy sensors allow luminaire to power off or dim to 10% or 50% output when space is unoccupied. Fixture designed to fail on.

The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion (e.g. corridors, stairwells). Additionally, the NES7ADCX includes an integrated photocell, which enables daylight harvesting. For rooms like restrooms and private offices or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics™ technologies to detect occupancy.

Wireless networking: XPoint™ Wireless technology creates a mesh network to ensure communication between fixtures, sensors and wall stations facility-wide. This option provides superior lighting management capabilities including granular control, configuration and custom grouping. This option enables sensors that detect motion to wirelessly communicate to neighboring fixtures — whether

Catalog Number
Notes
Type

W SERIES

Wall bracket & Surface Mount LED



WL4

4'

LED



eldoLED

on different floors in a stairwell, to a corridor or hallway — illuminating the desired path.

LISTINGS — CSA certified to meet U.S. and Canadian standards. Suitable for damp location.

Patents pending. 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.

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

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: WL4 30L EZ1 LP840

WL4					
Series	Lumens ¹	Voltage	Driver	Color temperature	Lumen management
WL4 4' wall-mount LED	20L 2000 lumens 30L 3000 lumens 40L 4000 lumens	(blank) MVOLT (120 - 277V) 347 347V	EZ1 eldoLED dims to 1%, 0-10V EZB eldoLED dims to dark, 0-10V SLD Step-level dimming ²	LP830 3000 K LP835 3500 K LP840 4000 K LP850 5000 K	(blank) No nLight N80 nLight with 80% lumen management N100 nLight without lumen management N80EMG nLight with 80% lumen management for use with generator supply emergency power ³ N100EMG nLight without lumen management for use with generator supply emergency power ³

Occupancy control ⁴	Standby mode ¹⁰	Options	Finish ¹²
NES7 Sensor Switch® nES 7 PIR integral occupancy sensor ⁵	(blank) Fixture turns off when unoccupied	EL7L LED Emergency battery pack (nominal 700 lumens); see Life Safety section ¹¹	(blank) White
NESPD7 Sensor Switch® nES PDT 7 dual technology integral occupancy control ⁵	DIM10 Fixture dims to approximately 10% light output when unoccupied	EL14L LED Emergency battery pack (nominal 1400 lumens); see Life Safety section ¹¹	
NES7ADCX Sensor Switch® nES 7 ADCX PIR integral occupancy sensor with automatic dimming control photocell ⁵	DIM50 Fixture dims to approximately 50% light output when unoccupied ⁸	SC Surface conduit end cap provisions	
XADS7 XPoint™ Wireless controller and micro 360° PIR occupancy and photocell sensor ^{6,7}			
XADNS7 XPoint™ Wireless controller and micro 360° PIR occupancy and photocell sensor (egress lighting) ^{6,7}			
MSD7 Sensor Switch® MSD 7 PIR integral occupancy sensor ^{8,9}			

Notes

1 Approximate lumen output.

2 Not available with XPoint™ Wireless or nLight options.

3 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.

4 See integral occupancy control section in header.

5 Requires N80 or N100.

6 Select (blank) under "Lumen management" for this option.

7 Gateway not included. Requires on-site commissioning. Visit www.lightingcontrols.com/XPointWireless for more information.

8 Not available with EZB or SLD.

9 Requires DIM10 or DIM50.

10 Requires occupancy control. For XPoint™ Wireless select (blank). Standby mode is programmed at time of commissioning.

11 Not available with 347V.

12 For additional paint finishes refer to Architectural Colors.

WL4 Wall Bracket & Surface Mount LED

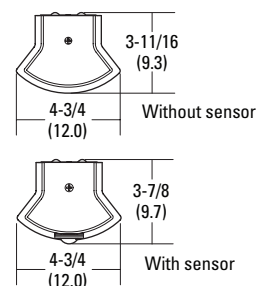
Performance Data			
Lumen package	Input watts	Lumens	LPW
20L LP830	18.7	2050	110
20L LP835	18.7	2152	115
20L LP840	18.7	2255	121
20L LP850	18.7	2410	129
30L LP830	28.2	2952	105
30L LP835	28.2	3095	110
30L LP840	28.2	3251	115
30L LP850	28.2	3239	115
40L LP830	39.5	3927	99
40L LP835	39.5	4124	104
40L LP840	39.5	4325	110
40L LP850	39.5	4571	116

DIMENSIONS

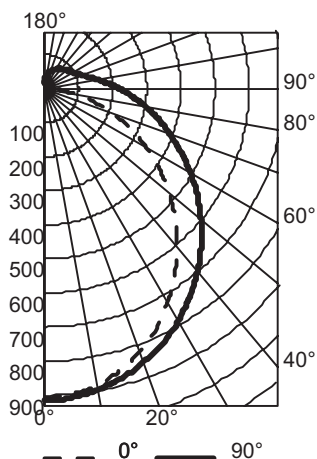
All dimensions are inches (centimeters) unless otherwise noted.

Specifications

Length: with sensor - 50-15/16 (129.40)
 without sensor - 46-13/16 (118.90)
 Height: with sensor - 3-11/16 (9.3)
 without sensor - 3-7/8 (9.7)
 Width: 4-3/4 (12.1)

**PHOTOMETRICS**

WL4 30L EZ1 LP840, 3250.8 delivered lumens, test no. LTL25482P5, tested in accordance to IESNA LM-79

**CP Summary**

	0°	90°
0°	912	912
5°	901	910
15°	856	879
25°	777	823
35°	666	745
45°	542	650
55°	412	549
65°	279	444
75°	151	346
85°	44	257
90°	5	219

Coefficients of Utilization

pc	pw	80%			20%			50%		
		70%	50%	30%	50%	30%	10%	50%	30%	10%
0	116	116	116	112	112	112	104	104	104	
1	104	99	94	95	91	87	88	85	81	
2	94	85	78	82	75	70	76	71	66	
3	85	74	66	72	64	57	67	60	55	
4	78	66	56	63	55	48	59	52	46	
5	72	58	49	57	48	42	53	46	40	
6	66	52	43	51	42	36	48	40	35	
7	61	47	39	46	38	32	43	36	31	
8	57	43	35	42	34	28	40	32	27	
9	53	40	31	39	31	25	36	29	25	
10	50	37	29	36	28	23	34	27	22	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	701	21.6	21.6
0° - 40°	1143	35.2	35.2
0° - 60°	2032	62.5	62.5
0° - 90°	2829	87.0	87.0
90° - 120°	256	7.9	7.9
90° - 130°	310	9.5	9.5
90° - 150°	386	11.9	11.9
90° - 180°	421	13.0	13.0
0° - 180°	3251	100.0	100.0

MOUNTING DATA

For unit installation; surface ceiling or wall mounting.

