

FEATURES & SPECIFICATIONS

INTENDED USE — The T Series LED surface mount combines digital lighting and control technologies with a high-performance optical system to deliver general ambient lighting for many applications such as schools, offices and hospitals. High-efficacy light engine delivers long life and excellent color, ensuring a superior quality light installation that is highly efficient and sustainable. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Designed exclusively for use with LED Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows safe, easy installation. Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Powder painted, steel latches provide easy, secure door closure. Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product. Finish: Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

OPTICS — Standard pattern #19 lens, 0.156" thick with highly transmissive overlay, is standard for superior brightness control. Overlay is 0.040" thick. Other lenses are available.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior level and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

Standard nLight® embedded controls continuously monitor system performance, allow for constant lumen management/compensation function, facilitate simple "plug-and-play" network and controls upgrading via CAT5 cable. LED driver delivers full-range dimming from 0-10V control signal. Ballast disconnect is provided where required to comply with US and Canadian codes.

INSTALLATION — Surface mount. Drivers and internal components are accessible from floor. LED boards include plug-in connectors for easy replacement or servicing. Suitable for damp location.

LISTINGS — CSA certified to US 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.

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.

Catalog Number
Notes
Type

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T SERIES SURFACE MOUNT



TLX4

1' x 4' LED



eldoLED®

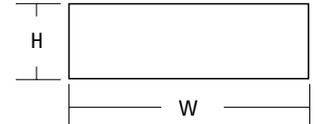


Specifications

Length: 48 (121.9)

Width: 12-1/4 (31.1)

Depth: 4-3/4 (12.1)



All dimensions are inches (centimeters) unless otherwise indicated.

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

TLX4 Surface Mount LED Lighting 1' x 4'

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A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: TLX4 40L FW A12 EZ1 LP835 N80

TLX4		Lumens ¹		Door		Lens		Voltage		Driver				
TLX4	Surface LED 1x4	20L	2000 lumens	FW	Flush aluminum, white	A12	#12 pattern acrylic	(blank)	MVOLT (120-277)	EZ1	eldoLED dims to 1% (0-10 volt dimming)			
		30L	3000 lumens			A19	#19 pattern acrylic, 0.156" thick				347	347 ²	EZB	eldoLED dims to dark (0-10 volt dimming)
		40L	4000 lumens			RW	Regressed aluminum, white						MWS	Matte white .040" thick
		48L	4800 lumens	MPL	Micro prism								EXB	eldoLED DMX/RDM ³
		60L	6000 lumens	SWL	Satin white								EXA1	Dims to 1%, XPoint wireless enabled ^{3,4}
													EXAB	Dims to dark, XPoint wireless enabled ^{3,4}
						SLD	Step-level dimming ³							
Color temperature		Control								Options				
LP830	3000 K	(blank)	No controls									EL7L	700 nominal lumen battery pack ⁵	
LP835	3500 K	N80	nLight with 80% (L80) lumen management									EL14L	1400 nominal lumen battery pack ⁵	
LP840	4000 K	N80EMG	nLight with 80% (L80) lumen management for use with generator supply EM power											
LP850	5000 K	N100	nLight without lumen management											
		N100EMG	nLight without lumen management for use with generator supply EM power											

Notes

- 1 Approximate lumen output.
- 2 Not available with EL7L or EL14L battery packs or SLD driver.
- 3 Not available with N80, N80EMG, N100, or N100EMG.
- 4 Gateway not included. Requires on-site commissioning. Visit www.lightingcontrols.com/XPointWireless for more information.
- 5 Not available for 48L or 60L options.

Performance Data

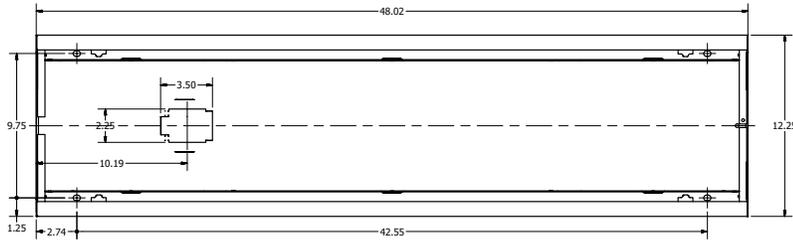
Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	2,212.5	21	105.4
20L	LP835	2,259.9	21	107.6
20L	LP840	2,275.7	21	108.4
20L	LP850	2,354.8	21	112.1
30L	LP830	3,143.5	30	104.8
30L	LP835	3,211.3	30	107.0
30L	LP840	3,233.9	30	107.8
30L	LP850	3,346.9	30	111.6
40L	LP830	3,991.0	39	102.3
40L	LP835	4,076.9	39	104.5
40L	LP840	4,106.3	39	105.3
40L	LP850	4,248.6	39	108.9
48L	LP830	4,793.3	47	102.0
48L	LP835	4,897.2	47	104.2
48L	LP840	4,931.1	47	104.9
48L	LP850	5,105.2	47	108.6
60L	LP830	5,426.1	55	98.7
60L	LP835	5,541.3	55	100.8
60L	LP840	5,582.0	55	101.5
60L	LP850	5,776.3	55	105.0



TLX4-1X4

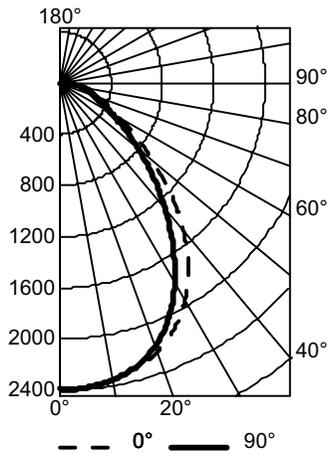
TLX4 Surface Mount LED Lighting 1' x 4'

MOUNTING DATA



PHOTOMETRICS

TLX4 40L FW A12 EZ1 LP840, 4931.1 delivered lumens, test no. LTL26929P34, tested in accordance to IESNA LM-79.



CP Summary		
	0°	90°
0°	2387	2387
5°	2381	2387
15°	2302	2291
25°	2112	2014
35°	1743	1534
45°	1222	1026
55°	722	609
65°	410	349
75°	225	233
85°	98	105
90°	0	0

RCR	Coefficients of Utilization									
	pf	80%			20%			50%		
	pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111	
1	110	106	102	104	100	97	99	96	94	
2	101	94	88	92	87	82	89	84	80	
3	94	84	77	83	76	70	80	74	69	
4	87	76	68	74	67	61	72	66	61	
5	80	69	60	67	60	54	65	59	54	
6	75	62	54	61	54	48	60	53	48	
7	70	57	49	56	49	43	55	48	43	
8	65	53	45	52	44	39	51	44	39	
9	61	49	41	48	41	36	47	40	35	
10	57	45	38	45	37	33	44	37	32	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1816	36.8	36.8
0° - 40°	2834	57.5	57.5
0° - 60°	4274	86.7	86.7
0° - 90°	4931	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	4931	100.0	100.0

Constant Lumen Management

Enabled by the embedded nLight control, the TLX actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

