

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. 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. Polyester powder-paint after fabrication option available.

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.

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

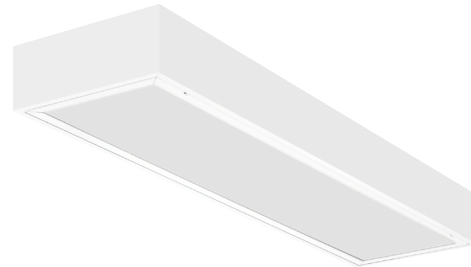
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type

T SERIES SURFACE MOUNT

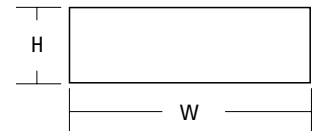
TLX4

1' x 4' LED



Specifications

Length: 48 (121.9)
 Width: 12-1/4 (31.1)
 Depth: 4-3/4 (12.1)



All dimensions are in 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'



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			EZB	eldoLED dims to 0.1% (0-10 volt dimming)
		40L	4000 lumens	RW	Regressed aluminum, white	MWS	Matte white .040" thick	347	347 ²	GZ1	Dims to 1% (0-10V dimming) ³
		48L	4800 lumens			MPL	Micro prism	GZ10	Dims to 10% (0-10V dimming) ³		
		60L	6000 lumens			SWL	Satin white	EDB	eldoLED DALI ⁴		
									SLD	Step-level dimming ⁴	

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	E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ⁵
LP850 5000 K	N100 nLight without lumen management	PAF Paint after fabrication
	N100EMG nLight without lumen management for use with generator supply EM power	

Notes

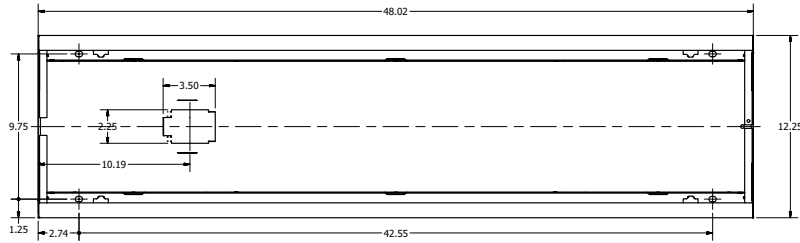
- 1 Approximate lumen output.
- 2 Not available with EL7L or EL14L battery packs or SLD driver.
- 3 GZ1, GZ10 drivers not available with any Controls options.
- 4 Not available with N80, N80EMG, N100, or N100EMG.
- 5 Not available for 48L or 60L options.

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

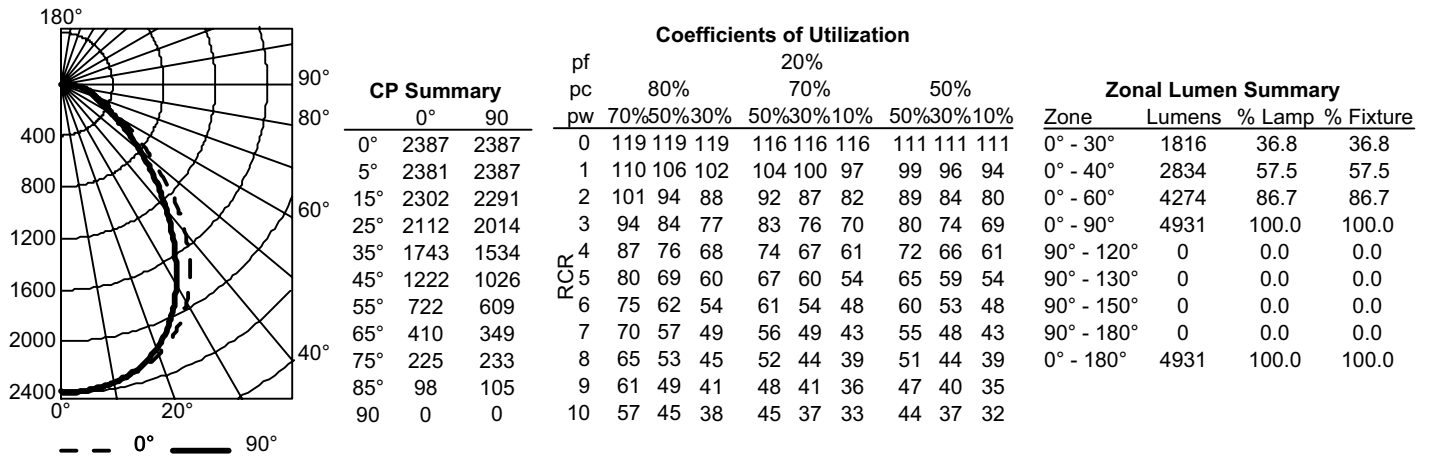
TLX4 Surface Mount LED Lighting 1' x 4'

MOUNTING DATA



PHOTOMETRICS

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



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.

