LITHONIA LIGHTING®

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE —The T Series LED 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 lighting 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 — Housing formed from cold-rolled steel. Housing is painted after fabrication for superior finish.

Smooth hemmed sides and smooth inward-formed end flanges, for easy handling.

Standard extruded aluminum door frame has superior structural integrity with premium appearance and mitered corners. Door frame is painted after fabrication, standard. Powder-painted rotary cam latches provide easy, secure door closure. Integral T-bar clips are standard. Acrylic shielding material is 100% UV stabilized.

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).

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.

Driver disconnect is provided where required to comply with U.S. and Canadian codes.

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

LISTINGS — CSA certified to U.S. and Canadian standards. IC rated.

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.

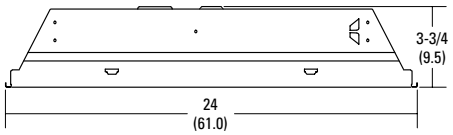
T SERIES LED

2TL

2' x 2' LED

Specifications

Length: 24 (61.0)
Width: 24 (61.0)
Depth: 3-3/4 (9.5)



All dimensions are inches (centimeters) unless otherwise noted.

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

2TL Recessed LED Lighting 2'x2'

A+ Capable options indicated by this color background.

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

Example: 2TL2 33L RW A19 EZ1 LP835 N80

2TL2									
Series		**Lumens** [1]		**Door**		**Lens**		**Voltage**	
2TL2	Recessed LED 2x2	20L	2000 lumens	FW	Flush aluminum, white	A12	#12 pattern acrylic	(blank)	MVOLT (120-277V)
		33L	3300 lumens	RW	Regressed aluminum, white	A19	#19 pattern acrylic, 0.156" thick	347	347V [2]
		40L	4000 lumens			MWS	Matte white .040" thick		
						MPL	Micro prism		
						SWL	Satin white		

Driver		**Color temperature**		**Control**		**Options**	
EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	3000 K	(blank)	No controls	EL7L	700 nominal lumen battery pack
EZB	eldoLED dims to dark (0-10 volt dimming)	LP835	3500 K	N80	nLight with 80% (L80) lumen management	EL14L	1400 nominal lumen battery pack
EDB	eldoLED DALI[3]	LP840	4000 K	N80EMG	nLight with 80% (L80) lumen management for use with generator supply EM power	CP	Chicago plenum
EXB	eldoLED DMX/RDM[3]	LP850	5000 K	N100	nLight without lumen management		
EXA1	Dims to 1%, XPoint wireless enabled[3,4]			N100EMG	nLight without lumen management for use with generator supply EM power		
EXAB	Dims to dark, XPoint wireless enabled[3,4]						
SLD	Step-level dimming[3]						

Accessories: *Order as separate catalog number.*	
DGA22	Drywall grid adapter for 2x2 recessed fixture.

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.

Performance Data

Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	2,034.7	18	113.0
20L	LP835	2,078.3	18	115.5
20L	LP840	2,092.9	18	116.3
20L	LP850	2,165.6	18	120.3
33L	LP830	3,246.3	29	111.9
33L	LP835	3,317.0	29	114.4
33L	LP840	3,339.8	29	115.2
33L	LP850	3,458.3	29	119.3
40L	LP830	3,811.6	35	108.9
40L	LP835	3,892.7	35	111.2
40L	LP840	3,921.8	35	112.1
40L	LP850	4,058.9	35	116.0

Performance based on standard #12 pattern acrylic lens.

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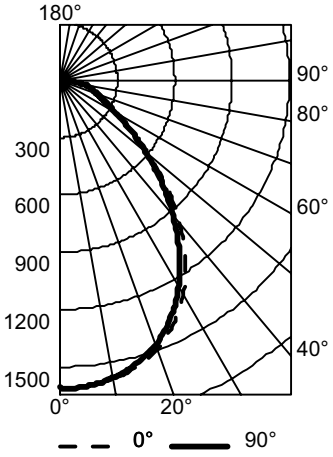
An AcuityBrands Company

LED: One Lithonia Way Conyers, GA 30012 Phone: 800-858-7763 Fax: 770-929-8789 www.lithonia.com

PHOTOMETRICS

2TL2 33L FW A12 EZ1 LP840, 3339.8 delivered lumens, test no. LTL26923P6, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1609	1609
5°	1609	1607
15°	1549	1536
25°	1406	1369
35°	1143	1086
45°	789	749
55°	460	444
65°	265	254
75°	146	170
85°	64	76
90	0	0

Coefficients of Utilization

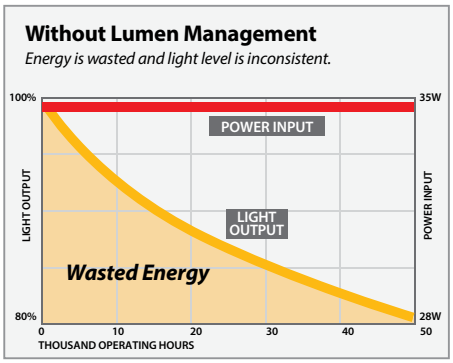
RCR	pf	80%			70%			50%		
	pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
	pw									
0		119	119	119	116	116	116	111	111	111
1		110	106	102	103	100	97	99	96	94
2		101	94	88	92	86	82	89	84	80
3		93	84	77	82	76	70	79	74	69
4		86	75	68	74	67	61	72	65	60
5		80	68	60	67	60	54	65	58	53
6		74	62	54	61	54	48	60	53	47
7		69	57	49	56	48	43	55	48	43
8		65	52	44	52	44	39	50	44	39
9		61	48	41	48	40	35	47	40	35
10		57	45	37	44	37	32	43	37	32

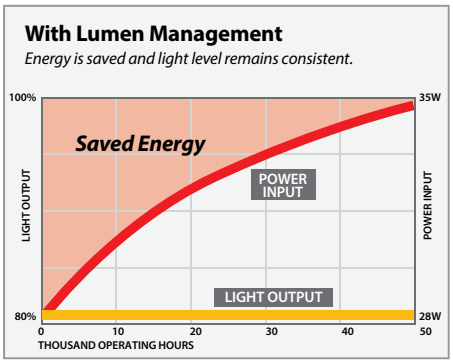
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1219	36.5	36.5
0° - 40°	1905	57.0	57.0
0° - 60°	2882	86.3	86.3
0° - 90°	3340	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°	3340	100.0	100.0

Constant Lumen Management

Enabled by the embedded nLight control, the T Series LED 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, theis feature eliminates the energy waste created by the traditional practice of over-lighting.





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