

Project:	Catalogue #:	Type:
Notes:		

Product Description

Commercial-grade, recessed, lay-in T-Bar luminaire featuring a single edge-to-edge lens. For use with indoor applications where high-efficiency, high-performance and ease of installation are required. This IC-rated luminaire's low-profile design is for shallow or obstructed plenum applications.

Applications

Classrooms, Hospitals, Office areas, Retail stores and Supermarkets



Features

- Ideal for shallow or obstructed plenum applications
- Frosted prismatic acrylic diffuser
- Standard low voltage dimming (0-10v)
- 80+ CRI
- Available in 1x4, 2x2, 2x4, 12x60, 30x30, 20x60, 750x750, and 500x1500 configurations
- For use in insulated ceilings

Featured Options

- Optional lenses, see product Selection
- Emergency lighting battery pack
- Step Dimming
- Gasketing

Optical System

Standard diffuser is frosted, prismatic pattern #12, lay-in acrylic lens. Other lenses available (see options).

Mounting

Holes provided for chain-mounting support to building structure. Lay-in type luminaire for exposed grid type acoustical ceiling structure.

Construction

Lay-in type luminaire for exposed grid type acoustical ceiling structure. Die-formed, code gauge pre-painted, white steel. Access plate for quick wiring. Knockouts are provided on ends for through wiring. Cover snaps into place eliminating the need for tools when accessing the driver. Diffuser is held within a hinged door frame. The heavy-gauge door frame hinges downward, on either side, and is held in the closed position by two positive cam latches. Gasketing options to seal the fixture from dust and moisture. (See options).

Finish

White, pre-painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours.

Warranty

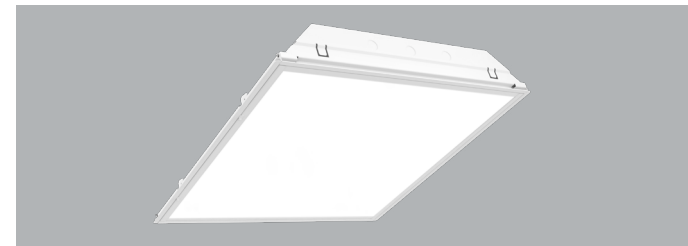
5 year limited warranty. For complete warranty, click here:



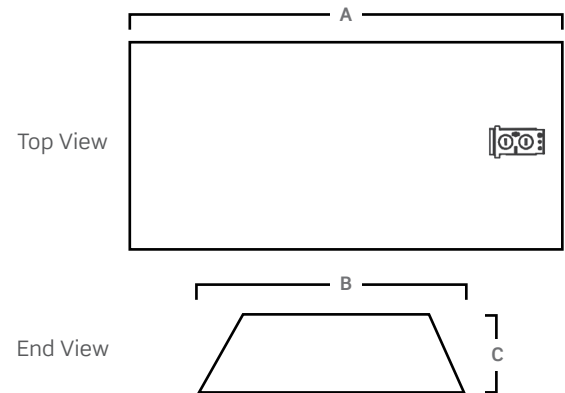
Approvals

- Approved to CSA/UL standards. UL listed for insulated ceilings.
- Tested in accordance to IESNA LM-79.
- Suitable for damp locations.
- DesignLights Consortium® Qualified.

All configurations may not be DLC qualified. Check www.designlights.org/QPL for qualified configurations.



Dimensions



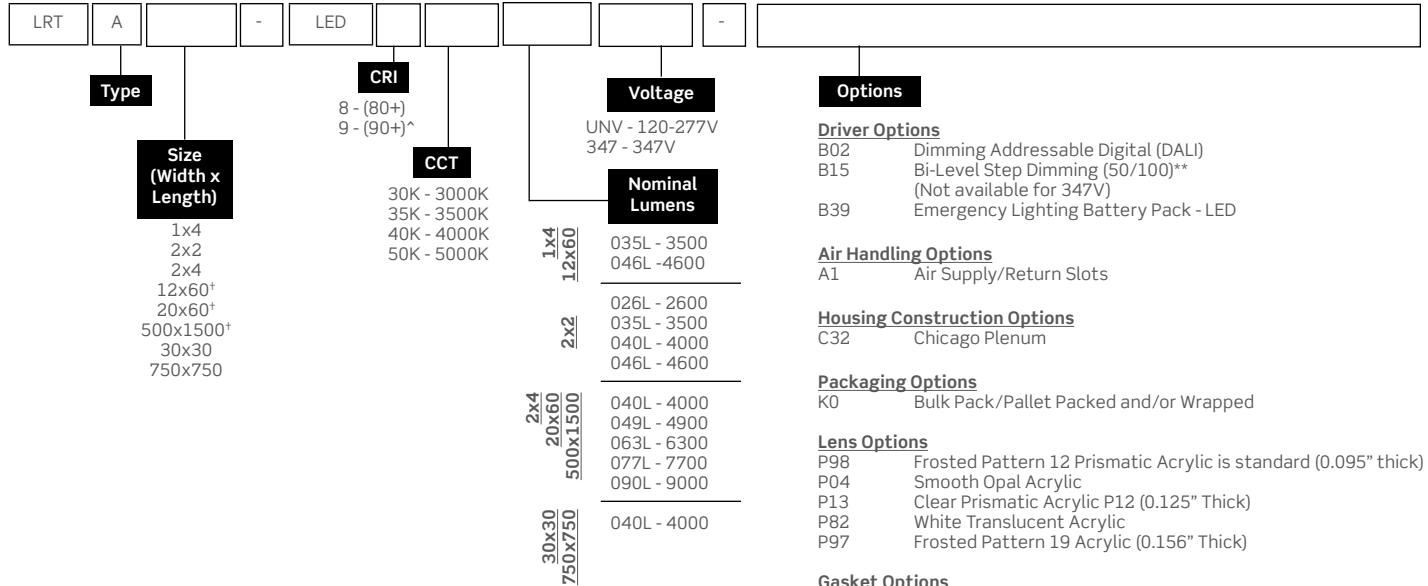
Size	A	B	C
1x4	47 3/4"	11 3/4"	4 1/4"
2x2	23 3/4"	23 3/4"	3 1/2"
2x4	47 3/4"	23 3/4"	3 1/2"
12x60	59 3/4"	11 3/4"	4 1/4"
30x30	29 3/4"	29 3/4"	3 1/2"
20x60	59 3/4"	19 3/4"	3 1/2"
750x750	744mm	744mm	90mm
500x1500	1494mm	494mm	90mm

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LRTA2x2-LED840K035LUNV



Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens per Watt
1x4 12x60	3500	3791	27.8	136.4
	4600	4429	33.2	133.5
2x2	2600	2667	18.8	141.8
	3500	3791	27.8	136.4
	4000	4112	30.5	134.9
	4600	4617	34.8	132.6
2x4 20x60 500x1500	4000	4240	29.4	144.4
	4900	4926	34.5	142.8
	6300	6338	45.5	139.4
	7700	7583	55.6	136.4
9000	9047	68	133	
30x30 750x750	4000	4112	30.5	134.9

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

† May include filler plates. Consult factory for configuration details.
 ^ 90+ CRI reduces lumen output by 20%, not available with 5000K
 **Not available for 347V. Consult factory for configuration details.

Other options may be available, consult factory. Specifications and data subject to change without notice.

Flange Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00136
2x2	KIT00137
2x4	KIT00138

Surface Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00373
2x2	KIT00374
2x4	KIT00375

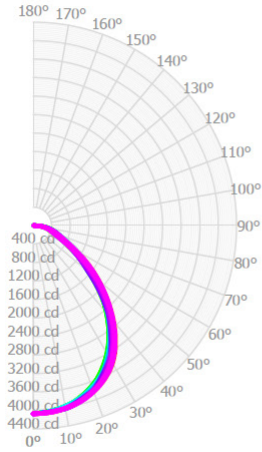
Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥ 238,000	> 60,000
L80	≥ 149,000	> 60,000
L90	≥ 71,000	> 60,000

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Photometrics

IES File: **LRTA2X4-LED840K090LUNV**
 Lumens: **9061**
 Wattage: **73**
 Efficacy: **124**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	3121	34.4%
0.0° - 40.0°	4960	54.7%
0.0° - 60.0°	7764	85.7%
0.0° - 90.0°	9061	100.0%
0.0° - 110.0°	9061	100.0%
0.0° - 130.0°	9061	100.0%
0.0° - 150.0°	9061	100.0%
0.0° - 170.0°	9061	100.0%
0.0° - 180.0°	9061	100.0%

Coefficients of Utilization

pc	80%			70%			50%			
	pw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	119	119	119	116	116	116	111	111	111	
1	110	105	102	107	103	100	102	99	96	
2	101	93	87	98	92	86	94	88	83	
3	93	83	76	91	82	75	86	79	73	
4	86	75	67	84	73	66	79	71	64	
5	79	67	59	77	66	58	74	64	57	
6	74	61	53	72	60	52	68	59	52	
7	69	56	48	67	55	47	64	54	47	
8	64	51	43	63	51	43	60	49	42	
9	60	47	39	59	47	39	56	46	39	
10	56	44	36	55	43	36	53	42	36	

Average Luminance Table (cd/m2)

CP Summary			
	0.00°	45.00°	90.00°
0.00°	5605	5605	5605
45.00°	4446	4191	3945
55.00°	3495	3131	2890
65.00°	2576	2010	2322
75.00°	2348	1834	2512
85.00°	2111	2542	3293

Effective Floor Cavity Reflectance: 20%