

Project:	Catalogue #:	Type:
Notes:		

Product Description

Specification-grade, recessed, lay-in T-Bar luminaire featuring a narrow tear dropshaped lens. For use with indoor applications where high-efficiency, high performance and ease of installation are required. This IC-rated luminaire's lowprofile is ideal for shallow or obstructed plenum applications.

Applications

Office Areas, Retail Stores, Classrooms, Corridors, Hospitals



Features

- Ideal for shallow or obstructed plenum applications
- Enhanced, uniform lighting delivers a balanced amount of light to walls, cubicles, work surfaces and people
- Extruded acrylic diffuser
- Standard low voltage dimming (0-10v, 1%)
- 80+ CRI
- Available in 1x4, 2x2, 2x4, 30x30, and 750x750 configurations
- For use in insulated ceilings
- Room side access for driver compartment

Featured Options

- Emergency lighting battery pack
- Air handling

Optical System

Frosted ribbed linear extruded frosted acrylic diffuser offer high levels of efficiency and visual comfort. Indirect reflectors are precision formed and contoured to provide soft, low-glare, indirect illumination, while maintaining high-efficiency and a wide, uniform light distribution.

Mounting

This luminaire has been specifically designed for T-Bar applications. Holes provided for chain-mounting support to building structure with integral earthquake clips.

Construction

Die-formed and riveted, heavy-gauge steel housing assembly. Precision-formed steel reflector. Wiring access plate and knockouts are provided on back of housing.

Finish

White, polyester powder painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 50,000 hours.

Warranty

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

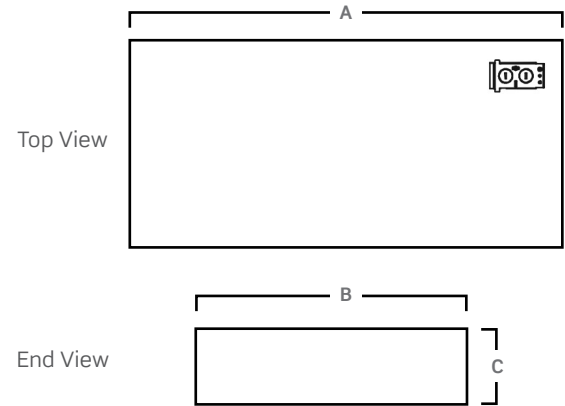
Approvals

- 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



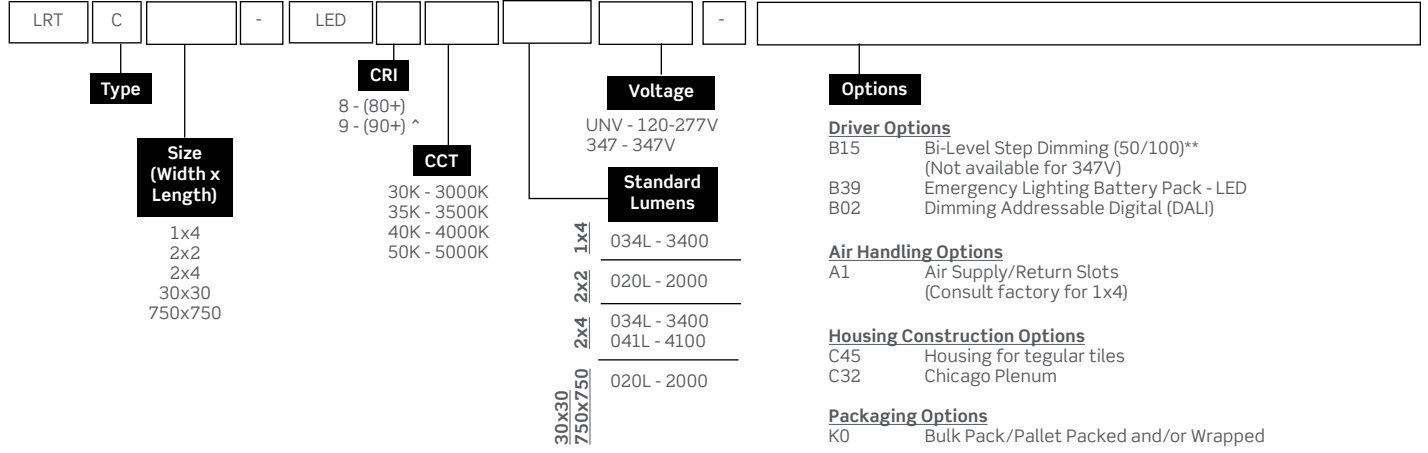
Size	A	B	C
1x4	47 3/4"	11 3/4"	2 1/2"
2x2	23 3/4"	23 3/4"	2 1/2"
2x4	47 3/4"	23 3/4"	2 1/2"
30x30	29 3/4"	29 3/4"	2 1/2"
750x750	744mm	744mm	90mm

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LRTC2x4- LED840K041LUNV



**Not available for 347V. Consult factory for configuration details.

^ 90+ CRI reduces lumen output by 20%, not available with 5000K

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

Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens Per Watt
1x4	3400	3426	26.5	129.5
2x2	2000	2031	16.1	126.5
2x4	3400	3426	26.5	129.5
	4100	4121	32.6	126.2
30x30 750x750	2000	2031	16.1	126.5

Values based on 840K with standard lens at 25C

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

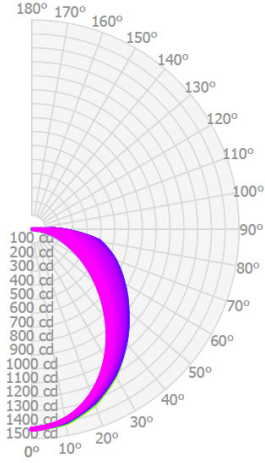
Surface Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00326
2x2	KIT00327
2x4	KIT00316

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

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Photometrics

IES File: **LRTC2X4-LED840K041LUNV**
 Lumens: **4244**
 Wattage: **39**
 Eff cacy: **109**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1079	25.4%
0.0° - 40.0°	1739	41.0%
0.0° - 60.0°	3034	71.5%
0.0° - 90.0°	4244	100.0%
0.0° - 110.0°	4244	100.0%
0.0° - 130.0°	4244	100.0%
0.0° - 150.0°	4244	100.0%
0.0° - 170.0°	4244	100.0%
0.0° - 180.0°	4244	100.0%

Coefficients of Utilization

pc	80%			70%			50%		
	pw	70%	50%	30%	70%	50%	30%	70%	50%
0	119	119	119	116	116	116	111	111	111
1	107	101	96	104	99	94	99	94	91
2	96	87	80	94	85	78	88	82	76
3	88	76	67	85	74	66	80	71	64
4	80	67	58	78	66	57	73	63	56
5	74	60	51	71	59	50	67	57	49
6	68	54	45	66	53	44	62	51	43
7	63	49	40	61	48	40	58	47	39
8	59	45	36	57	44	36	54	43	35
9	55	41	33	53	40	32	51	39	32
10	52	38	30	50	37	30	48	36	29

Average Luminance Table (cd/m2)
CP Summary

	0.00°	45.00°	90.00°
0.00°	1971	1971	1971
45.00°	1414	1737	1888
55.00°	1220	1742	1956
65.00°	1035	1907	2203
75.00°	865	2455	2843
85.00°	520	4115	4114

Effective Floor Cavity Reflectance: 20%