

Project:	Catalogue #:	Type:
Notes:		

Product Description

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

Applications

Office Areas, Retail Stores, Classrooms, Hospitals, Corridors



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 2x2, 2x4, 30x30, and 750x750 configurations
- For use in insulated ceilings

Featured Options

- Emergency lighting battery pack
- Air handling

Optical System

Frosted ribbed linear extruded 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:



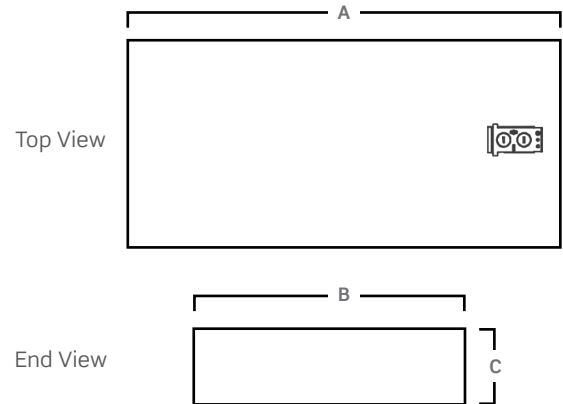
Approvals

- 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



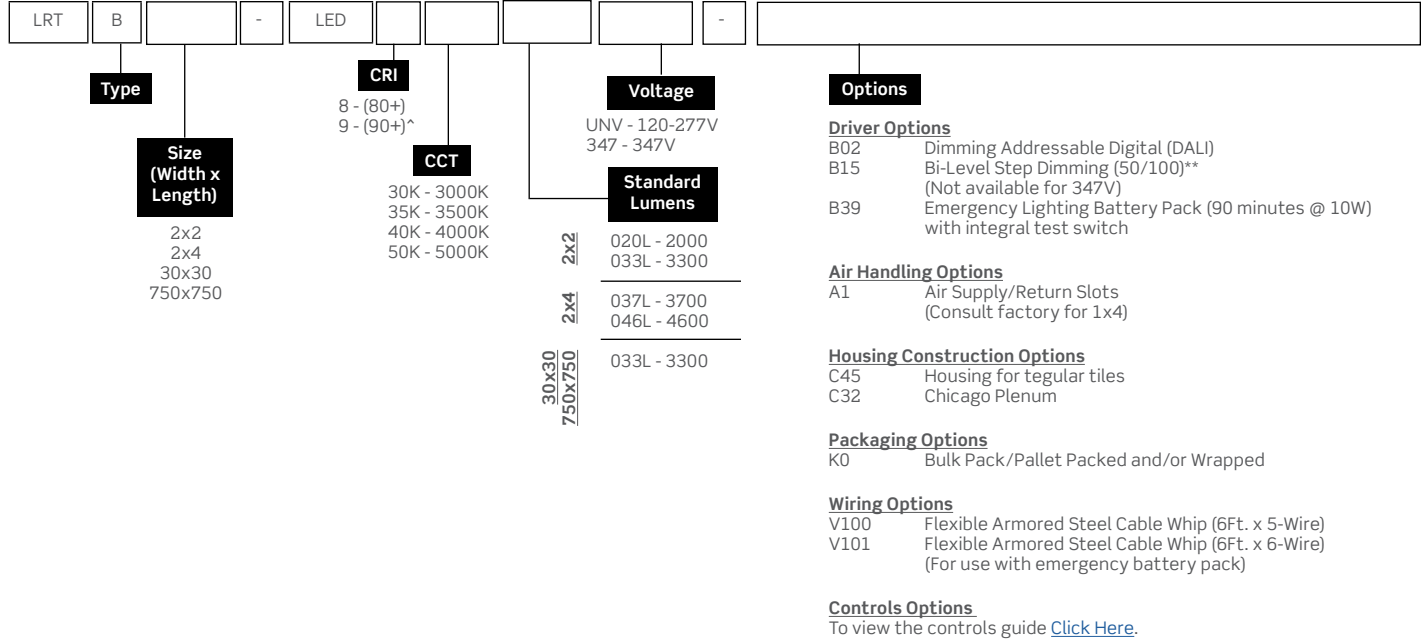
Size	A	B	C
2x2	23 3/4"	23 3/4"	2 1/2"
2x4	47 3/4"	23 3/4"	2 1/2"
30x30	29 3/4"	29 3/4"	2 1/2"
750x750	744mm	744mm	90mm

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LRTB2x2-LED840K033LUNV



Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens per Watts
2x2	2000	2009	13.4	149.9
	3300	3305	23	143.7
2x4	3700	3731	24.8	150.5
	4600	4625	31.2	148.5
30x30 750x750	3300	3305	23	143.7

Values based on 840K with standard lens at 25C

**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 Scaling Factor

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

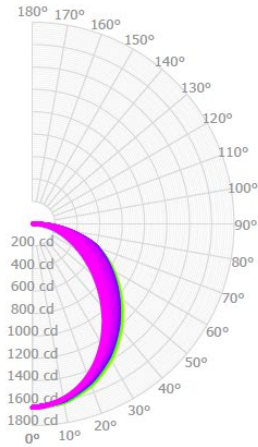
Flange Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00136
2x2	KIT00137
2x4	KIT00138

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

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Photometrics

IES File: **LRTB2x4-LED840K046LUNV**
 Lumens: **4630**
 Wattage: **44**
 Eff cacy: **105**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1238	26.7%
0.0° - 40.0°	1998	43.2%
0.0° - 60.0°	3483	75.2%
0.0° - 90.0°	4630	100.0%
0.0° - 110.0°	4630	100.0%
0.0° - 130.0°	4630	100.0%
0.0° - 150.0°	4630	100.0%
0.0° - 170.0°	4630	100.0%
0.0° - 180.0°	4630	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	108	103	98	105	100	96	100	96	93	
2	98	89	82	95	87	80	90	83	78	
3	89	78	69	86	76	68	82	73	66	
4	81	69	60	79	68	59	75	65	58	
5	75	62	52	73	60	52	69	58	51	
6	69	55	46	67	54	46	64	53	45	
7	64	50	41	62	49	41	59	48	40	
8	60	46	37	58	45	37	55	44	36	
9	56	42	34	54	42	34	52	40	33	
10	52	39	31	51	38	31	49	37	30	

Average Luminance Table (cd/m2)
CP Summary

	0.00°	45.00°	90.00°
0.00°	2257	2257	2257
45.00°	1650	2029	2194
55.00°	1433	2029	2229
65.00°	1243	2138	2353
75.00°	1070	2419	2398
85.00°	786	2391	2300

Effective Floor Cavity Reflectance: 20%