

Project:	Catalogue #:	Type:
Notes:		

**Product Description**

Premium-grade recessed lay-in T-Bar luminaire featuring a precision formed singlepiece luminous lens. Optics are retained in a hinged and latched door frame. Reflectors are contoured to provide soft, low-glare, indirect illumination while maintaining a wide uniform distribution. For use with indoor applications where high-efficiency, highperformance and ease of installation are required. This IC-rated luminaire's low-profile design is ideal for shallow or obstructed plenum applications.

**Applications**

Office Areas, Retail Stores, Classrooms, Corridors, Hospitals, Nursing Homes

**Features**

- Enhanced, uniform lighting delivers a balanced amount of light to walls, cubicles, work surfaces and people
- Standard low voltage dimming (0-10v, 1%)
- 100% servicable from below (easy acces to driver and LED modules)
- Available in 1x4, 2x2, 2x4, 20x60, 30x30, 750x750, and 500x1500 configurations
- Room side access for driver compartment

**Featured Options**

- Round or rectangular pattern overlays
- Flat frosted lens
- Air handling

**Optical System**

Frosted single-piece 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:



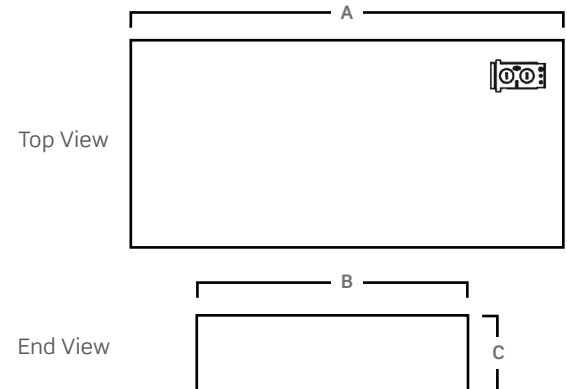
**Approvals**

- 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](http://www.designlights.org/QPL) for qualified configurations



**Dimensions**



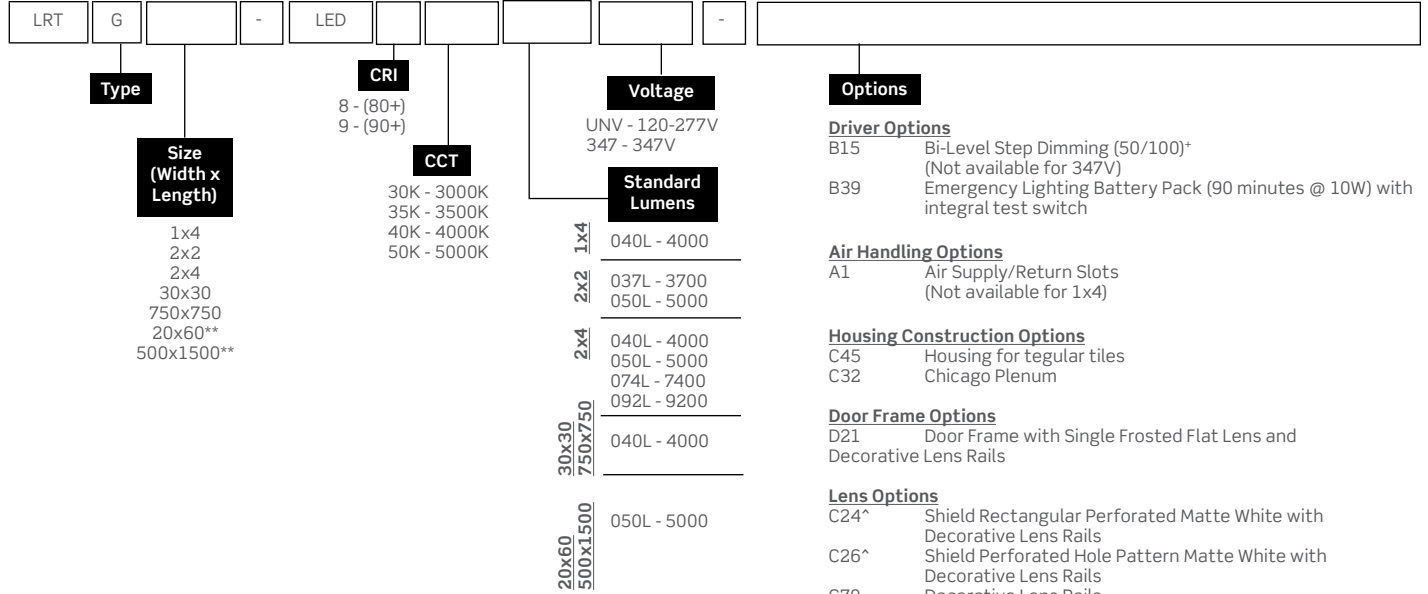
Size	A	B	C
1x4	47 3/4"	11 3/4"	2 1/2"
2x2	23 3/4"	23 3/4"	2 1/2"
2x4	47 3/4"	23 3/4"	2 1/2"
30x30	29 3/4"	29 3/4"	2 1/2"
20x60	59 3/4"	19 3/4"	2 1/2"
750x750	744mm	744mm	90mm
500x1500	1494mm	494mm	90mm

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LRTG2x4- LED840K074LUNV-C24



Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens Per Watt
1x4	4000	4075	30.4	134.1
2x2	3700	3723	29.4	126.6
	5000	5002	41.4	120.8
2x4	4000	4063	29.4	138.4
	5000	5046	37.1	136
	7400	7451	57.2	130.3
20x60 750x750	5000	5046	37.1	136
		9265	73.5	126.1
30x30 750x750	4000	4063	29.4	138.4

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

Lifetime Expectancy

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

Controls Options

V100 Flexible Armored Steel Cable Whip (6Ft. x 5-Wire)  
 V101 Flexible Armored Steel Cable Whip (6Ft. x 6-Wire) (For use with emergency battery pack)

Flange Kits (Ordered Separately)

For advanced wireless controls [Click Here](#).

\*\* Includes filler plates. Consult factory for configuration details.  
 \* Not available for 347V. Consult factory for configuration details.  
 ^ Not available in combination with D21.

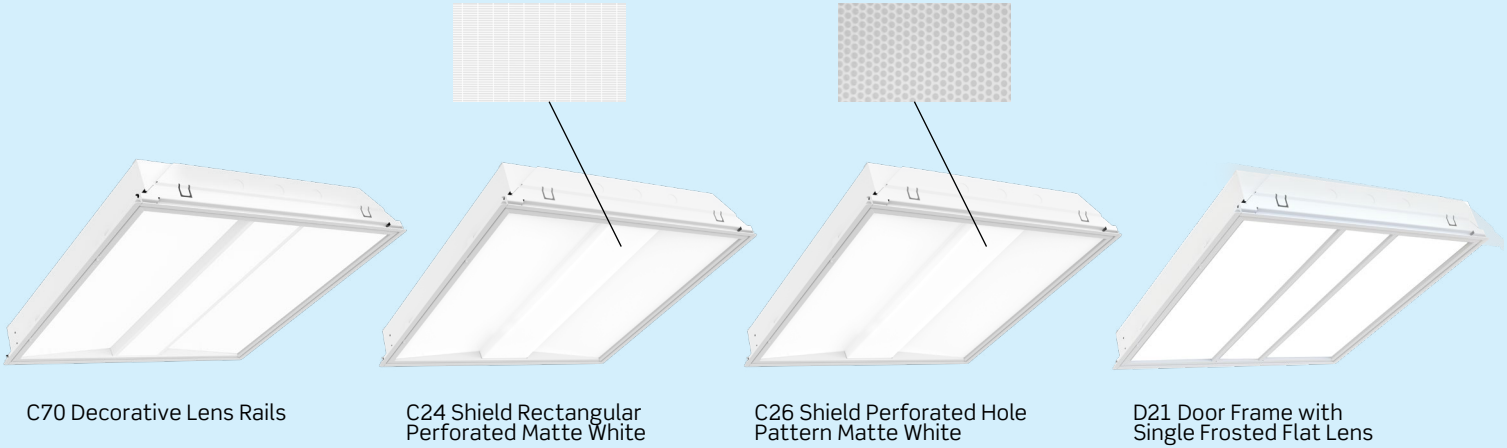
Other options may be available, consult factory. Specifications and data subject to change without notice.

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

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

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**Lens and Door Frame Options**



C70 Decorative Lens Rails

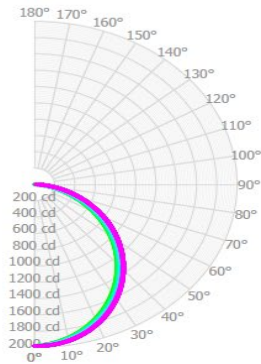
C24 Shield Rectangular Perforated Matte White

C26 Shield Perforated Hole Pattern Matte White

D21 Door Frame with Single Frosted Flat Lens

**Photometrics**

IES File: **LRTG2x2-LED840K050LUNV**  
 Lumens: **5077**  
 Wattage: **47**  
 Efficacy: **108**



**Zonal Lumen Summary**

Zone	Lumens	%Fixture
0.0° - 30.0°	1495	29.4%
0.0° - 40.0°	2406	47.4%
0.0° - 60.0°	4108	80.9%
0.0° - 90.0°	5077	100.0%
0.0° - 110.0°	5077	100.0%
0.0° - 130.0°	5077	100.0%
0.0° - 150.0°	5077	100.0%
0.0° - 170.0°	5077	100.0%
0.0° - 180.0°	5077	100.0%

**Coefficients of Utilization**

pc	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	119	119	119	116	116	116	111	111	111
1	109	104	100	106	102	98	101	98	95
2	99	91	85	97	90	83	92	86	81
3	91	81	73	88	79	72	84	76	70
4	83	72	63	81	70	62	77	68	61
5	77	64	55	75	63	55	71	61	54
6	71	58	49	69	57	49	66	55	48
7	66	53	44	64	52	44	61	50	43
8	61	48	40	60	47	39	57	46	39
9	57	44	36	56	44	36	53	42	35
10	54	41	33	53	40	33	50	39	32

Effective Floor Cavity Reflectance: 20%

**Average Luminance Table (cd/m2) CP Summary**

	0.00°	45.00°	90.00°
0.00°	5496	5496	5496
45.00°	4746	4523	4423
55.00°	4428	4138	3988
65.00°	4029	3613	3418
75.00°	3249	2828	2589
85.00°	1072	1534	1193