

Project:	Catalogue #:	Type:
Notes:		

Product Description

An Intellect enabled Premium-grade, recessed, lay-in T-Bar luminaire featuring a single piece luminous 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 ideal for shallow or obstructed plenum applications. This luminaire features standalone occupancy sensor with daylight harvesting or wireless occupancy/daylight sensor that integrates into the Intellect wireless control system.

Applications

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

Features

- Ideal for shallow or obstructed plenum applications
- Enhanced, uniform lighting delivers a balanced amount of light to walls, cubicles, work surfaces and people
- Standard low voltage dimming (0-10v)
- 80+ CRI
- Available in 1x4, 2x2 and 2x4 configurations
- No door frame for maximum luminous opening
- Intellect occupancy/daylight sensor

Featured Options

- Emergency lighting battery pack
- Optional lenses, see ordering key

Optical System

Frosted single-piece Polycarbonate diffuser is standard.

Mounting

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

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.

Controls

Two Integrated control fixtures available (see ordering key on page 2). The Intellect in-fixture solo occupancy sensor with daylight harvesting and the Intellect in-fixture wireless occupancy/daylight sensor that integrates into the Intellect wireless control system.



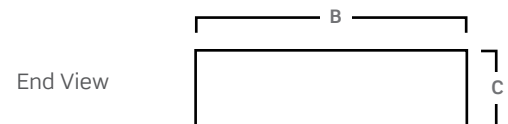
Approvals

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

DesignLights Consortium® Qualified, check www.designlights.org/QPL for qualified configurations.



Dimensions



Size	A	B	C
1x4	47 3/4"	11 3/4"	3 1/2"
2x2	23 3/4"	23 3/4"	3 1/2"
2x4	47 3/4"	23 3/4"	3 1/2"

Consult installation guide for exact dimensions.

Warranty

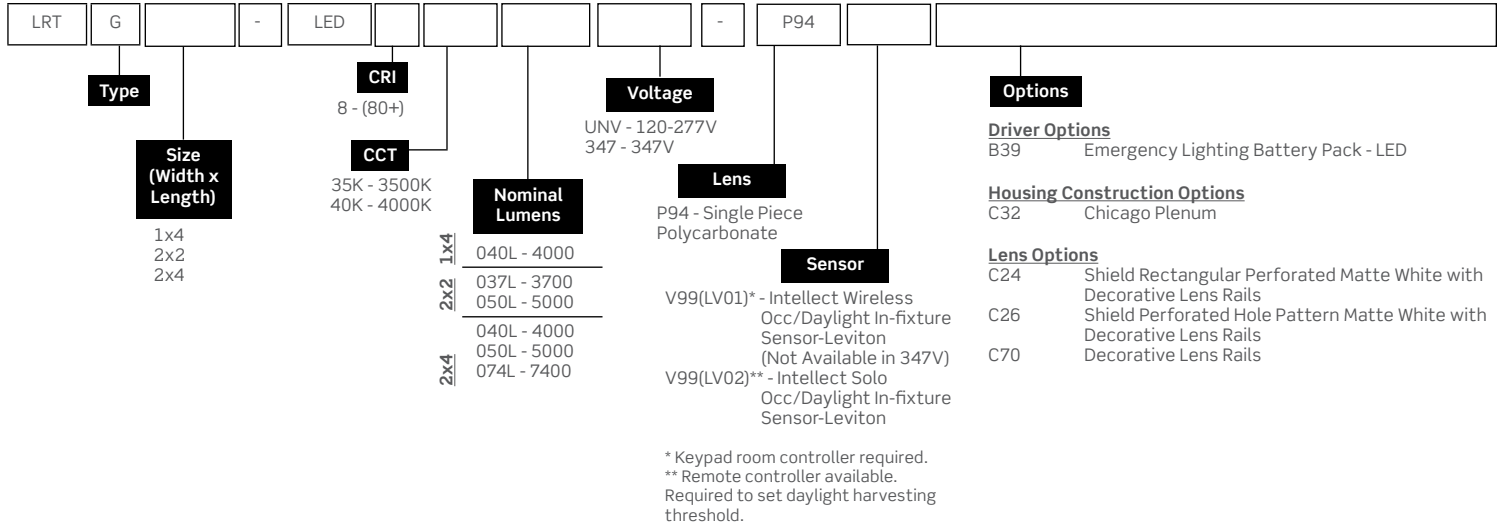
5 year limited warranty. For complete warranty, click here:



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Order Key

EXAMPLE: LRTG2x4- LED840K074LUNV-P94V99(LV01)



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	4000	4255	29	145
2x2	3700	3805	28	137
	5000	5068	39	131
2x4	4000	4255	29	145
	5000	5012	35	143
	7400	7447	54	137

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

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

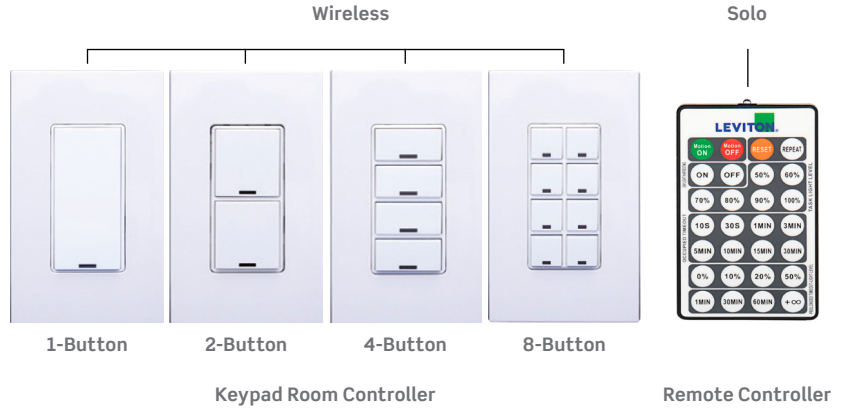
Surface Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00373
2x2	KIT00374
2x4	KIT00375

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Intellect Controllers (Ordered Separately)

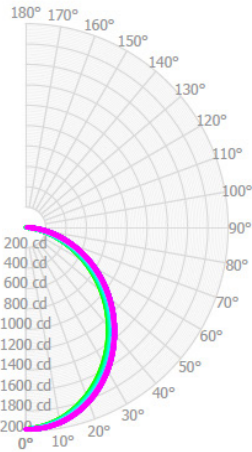
Item No.	Description	Sensor Type Compatibility
KIT00226	8 Buttons Keypad	V99(LV01)
KIT00227	4 Buttons Keypad	V99(LV01)
KIT00228	2 Buttons Keypad	V99(LV01)
KIT00229	1 Button Keypad	V99(LV01)
ELC00368	Remote Controller	V99(LV02)

* Wall plate by others



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

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

Effective Floor Cavity Reflectance: 20%