

# ClearForm - LRTG

LED - Premium-Grade Recessed Static Shallow T-Bar Luminaire

Project:	Catalogue #:	Type:
Notes:		

## Product Description

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.

## 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, 10%)
- 100% serviceable from below (easy access to driver and LED modules)
- Available in 1x4, 2x2, 2x4, 30x30, 20x60, 750x750, and 500x1500 configurations
- No door frame for maximum luminous opening

## 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 > 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

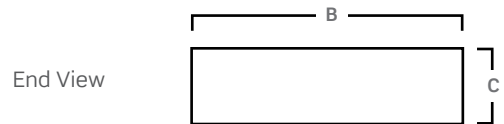
DesignLights Consortium® Qualified, check [www.designlights.org/QPL](http://www.designlights.org/QPL) for qualified configurations.



## Dimensions



Top View



End View

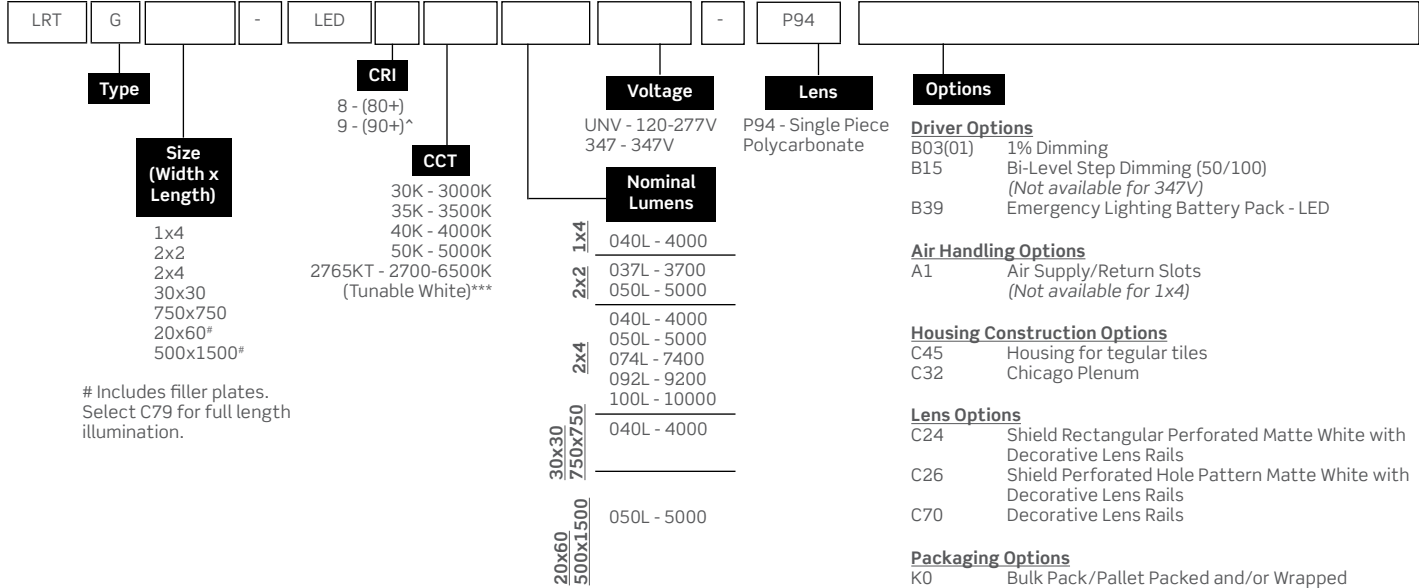
Size	A	B	C
1x4	47 3/4"	11 3/4"	3 1/2"
2x2	23 3/4"	23 3/4"	3 1/2"
2x4	47 3/4"	23 3/4"	3 1/2"
30x30	29 3/4"	29 3/4"	3 1/2"
20x60	59 3/4"	19 3/4"	3 1/2"
750x750	744mm	744mm	90mm
500x1500	494mm	1494mm	90mm

Consult installation guide for exact dimensions.

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## Order Key

### EXAMPLE: LRTG2x4- LED840K074LUNV-P94



## 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
	9200	9236	69	133
	10000	10013	76	131
20x60	5000	5012	35	143
30x30	4000	4052	30	139
750x750	4000	4063	30	136
500x1500	5000	5012	35	143

Values based on 840K with standard lens at 25C

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

## 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

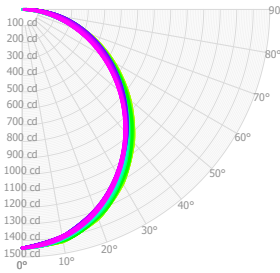
## Lifetime Expectancy

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

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## Photometrics

IES File: **LRTG2X4-LED840K040LUNV-P94**  
 Lumens: **N/A**  
 Wattage: **30**  
 Efficacy: **134**



### Zonal Lumen Summary

Zone	Lumens	%
0.0° - 30.0°	1099	27.3%
0.0° - 40.0°	1783	44.3%
0.0° - 60.0°	3108	77.3%
0.0° - 90.0°	4022	100.0%

### Coefficients of Utilization

pc	80%			80%			70%									
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	30%	
0	4788	4788	4788	4788	4677	4677	4677	4677	4469	4469	4469	4279	4279	4279	4104	4022
1	4353	4152	3971	3809	4242	4060	3895	3746	3888	3752	3627	3729	3618	3516	3584	3411
2	3951	3609	3327	3090	3844	3533	3273	3052	3389	3169	2980	3256	3072	2911	3133	2981
3	3600	3166	2831	2564	3499	3102	2791	2540	2981	2714	2494	2869	2641	2450	2765	2572
4	3296	2805	2445	2171	3202	2751	2415	2155	2649	2356	2125	2554	2301	2095	2466	2247
5	3031	2507	2140	1869	2945	2461	2116	1859	2375	2071	1838	2295	2027	1817	2220	1985
6	2800	2258	1894	1633	2722	2219	1875	1625	2146	1839	1610	2078	1804	1595	2014	1771
7	2598	2048	1692	1443	2527	2016	1677	1437	1953	1648	1426	1895	1620	1415	1840	1593
8	2419	1870	1525	1288	2356	1842	1513	1284	1789	1489	1275	1738	1466	1267	1691	1444
9	2261	1718	1385	1160	2204	1694	1375	1157	1647	1355	1150	1604	1336	1144	1563	1318
10	2121	1586	1266	1052	2069	1565	1257	1050	1525	1241	1045	1487	1225	1040	1451	1210

### Average Luminance Table (cd/m<sup>2</sup>) CP Summary

	0.00°	45.00°	90.00°
0.00°	1990	1990	1990
45.00°	1732	1806	1851
55.00°	1624	1732	1793
65.00°	1496	1660	1744
75.00°	1323	1612	1754
85.00°	821	1885	2105

Effective Floor Cavity Reflectance: 20%

## Tunable White

When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.

