

# Lumination™ LED Luminaires

1' x 4' Recessed Luminaire  
LVT 14 Series



Project name \_\_\_\_\_

Date \_\_\_\_\_

Type \_\_\_\_\_

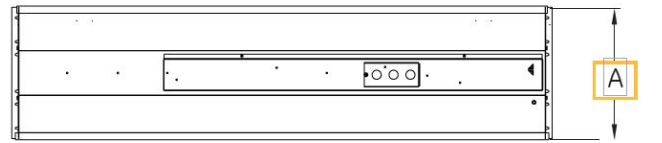
## Product Description:

GE Lumination Volumetric T-Grid (LVT) Series Recessed LED Luminaires bring a designer touch to any drop ceiling landscape. For new construction or retrofit, these distinctive products provide a beautiful three dimensional look in an easy-to-install LED solution. They feature a curved diffused lens with smooth uniform light (no pixels or stripes) and delineated details to create visual interest in any ceiling with energy-saving and long-life advantages of LED.

## Targeted Performance Summary:

**Distribution Patterns:** Lambertian  
**Delivered Lumen Output:** 1500 Lm 2000 Lm, 3000 Lm 4000 Lm, 5000 Lm, 6000 Lm  
**System Input Power:** 14-56.5W  
**Standard Dimming Compatibility:** 0-10V  
**Efficacy:** 106-116 LPW  
**Input Voltage:** 120-277V, 347V  
**CCT:** 3500K, 4000K and 5000K  
**Typical CRI:** 80+, R9: >0  
**Color Consistency:** 4 Step MacAdam Ellipse  
**Lifetime Rating:** 50,000 hours @ L70  
**Input Frequency (Hz):** 50/60Hz  
**Power Factor:** >0.9  
**Dimensions:** 11.8 in x 47.8 in x 3.9 in  
**THD:** <20%  
**Mounting:** Fits standard T-Bar grid (drop ceilings)  
**Maximum Weight:** < 20 lbs  
**Limited Warranty:** 5 Years Standard  
**Files Available:** LM79, LM80, IES

## Product Dimensions:



UL Version: A = 11.8 in B = 47.8 in C = 3.9 in



Certified by



Please refer to the DLC QPL website for the latest and most complete information.  
[www.designlights.org/QPL](http://www.designlights.org/QPL)

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**ecomagination™**

## Ordering Information:

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI	CCT	CONTROL	MOUNTING LOGIX COMPATIBLE	FINISH	OPTIONS
LVT	14 = 1' x 4'	A	0 = 120-277V D = 347V					VQ = 0-10V TQ = Daintree <sup>1</sup>	LT=T-Grid	WHITE = White	Blank if no options EL = Emergency Light CP = Chicago Plenum Contact manufacturer for other options.

Notes:  
1. Contact manufacturer for lead time and minimum order quantities.

ACCESSORIES	PRODUCT CODE
Drywall Mount Kit 1 x 4	69068
Surface Mount Kit 1 x 4	212464

Note: Order separately

LUMEN CODE	DISTRIBUTION TYPE	CRI	COLOR TEMP (K)	SPECIFIED LUMENS	SYSTEM WATTAGE
15=1500	MM=Med. Lambertian	8=80+	35=3500	1500	14W
20=2000	MM=Med. Lambertian	8=80+	35=3500	2000	18W
30=3000	MM=Med. Lambertian	8=80+	35=3500	3000	28W
40=4000	MM=Med. Lambertian	8=80+	35=3500	4000	34.5W
50=5000	MM=Med. Lambertian	8=80+	35=3500	5000	44.5W
60=6000	MM=Med. Lambertian	8=80+	35=3500	6000	56.5W
15=1500	MM=Med. Lambertian	8=80+	40=4000	1500	14W
20=2000	MM=Med. Lambertian	8=80+	40=4000	2000	18W
30=3000	MM=Med. Lambertian	8=80+	40=4000	3000	28W
40=4000	MM=Med. Lambertian	8=80+	40=4000	4000	34.5W
50=5000	MM=Med. Lambertian	8=80+	40=4000	5000	44.5W
60=6000	MM=Med. Lambertian	8=80+	40=4000	6000	56.5W
15=1500	MM=Med. Lambertian	8=80+	50=5000	1500	14W
20=2000	MM=Med. Lambertian	8=80+	50=5000	2000	18W
30=3000	MM=Med. Lambertian	8=80+	50=5000	3000	28W
40=4000	MM=Med. Lambertian	8=80+	50=5000	4000	34.5W
50=5000	MM=Med. Lambertian	8=80+	50=5000	5000	44.5W
60=6000	MM=Med. Lambertian	8=80+	50=5000	6000	56.5W

**current**  
powered by GE

# Photometric Data: Lumination™ 1' x 4' Recessed Luminaire LVT 14 Series

## LVT14

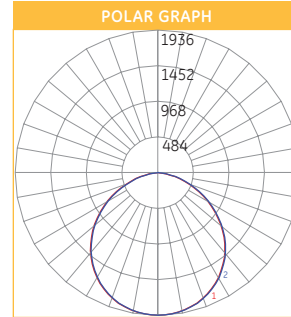
ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10°	182.59
10-20°	517.83
20-30°	770.54
30-40°	911.58
40-50°	928.84
50-60°	827.30
60-70°	620.28
70-80°	347.00
80-90°	85.59
90-100°	1.35
100-110°	1.07
110-120°	0.98
120-130°	0.99
130-140°	1.11
140-150°	1.14
150-160°	1.02
160-170°	0.70
170-180°	0.27

COEFFICIENTS OF UTILIZATION																			
RC	80%					70%				50%			30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70	
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59	
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51	
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44	
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39	
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34	
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31	
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28	
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25	

NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20°	700.42	13.50
0-30°	1470.96	28.30
0-40°	2382.54	45.80
0-60°	4138.67	79.60
0-80°	5105.95	98.20
0-90°	5191.54	99.80

LUMINANCE DATA (CANDELA/m²)			
Gamma	0°	45°	90°
45°	2696	2695	2696
55°	2553	2561	2553
65°	2333	2360	2333
75°	1993	2000	1993
85°	1287	1185	1287



## Product Specifications

### Construction:

- Durable, long lasting bezel construction. Steel, Electrogalvanized, Cold-rolled, Commercial quality paint coating.
- IP Rating: IP20

### Electrical System:

- Class 2, replaceable, high efficiency LED driver rated for 50,000 hours when used within operating conditions.
- THD: <20%
- Transient Protection: 100 kHz ring wave, 2 kV level condensing).
- Environmental Testing: High Temperature High Humidity: 60°C /90% (non-condensing).

### Optical System:

- Precision formed optical assembly comprised of high specularly reflective paint
- High optical grade lens providing good efficiency, impact resistance and a curved diffused lens with smooth uniform light (no pixels or stripes).

### Installation:

- Drivers and internal components accessible.
- Suitable for dry locations.
- Integrated PSU enclosure delivers low profile and ease of installation
- Luminaire Vibration Testing: Luminaire test to 0.5 G, 100,000 cycles per axis, 2 axis.

For more information and access to all of our resources, including our design tool visit: [www.gelighting.com](http://www.gelighting.com)



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