LRTZ

LED - Recessed Type Z - Architectural Lighting

VISIONEERING | a LEVITON brand

Project:	Catalogue #:	Type:
Notes:		

Product Description

Commercial-grade, recessed, lay-in T-Bar luminaire featuring a single angled centre lens. This IC-rated luminaire's low-profile design is ideal for shallow or obstructed plenum applications and comes standard with 0-10v dimming.

Applications

Schools, Retail Stores, Offices, Hospitals, Nursing Homes

Features

- Ideal for shallow or obstructed plenum applications
- 1x4, 2x2, 2x4, 20x60, 30x30, 750x750, and 500x1500 configurations
- 4000K standard
- Standard low voltage dimming (0-10v)
- For use in insulated ceilings
- Room side access for driver compartment

Approvals

- Approved to CSA/UL standards. UL listed for insulated ceilings.
- Suitable for damp locations.
- DesignLights Consortium® Qualified

All configurations may not be DLC qualified. Check www.designlights.org/QPL for qualified configurations

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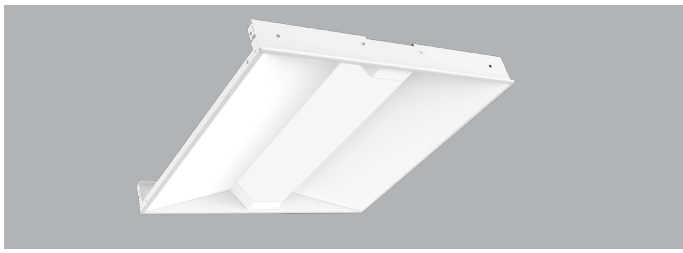
DLC LISTED

Featured Options

- Emergency battery pack
- Daylight sensor
- Daylight/occupancy sensor



Optical System

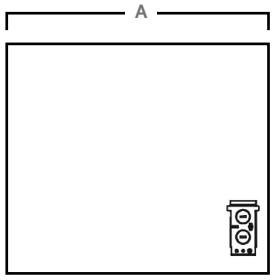
Frosted polycarbonate diffuser is standard.

Mounting

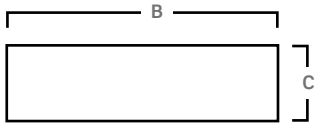
This luminaire has been specifically designed for T-Bar applications. Holes provided for chain-mounting support to building structure. Integral earthquake clips.

Dimensions

Top View



End View



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.

Construction

Die-formed, cold rolled 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: 5YR Warranty

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Order Key

EXAMPLE: LRTZ2X2-LED840K032LUNV

LRT | XZ | | - | LED | | | | | - | |

Type

Size (Width x Length)
1x4
2x2
2x4
30x30
750x750
20x60*
500x1500*

CRI
8 - (80+)
9 - (90+) ^

CCT
30K - 3000K
35K - 3500K
40K - 4000K
50K - 5000K

Voltage
UNV - 120-277V
347 - 347V

Standard Lumens

2x2	020L - 2000 032L - 3200
1x4 2x4	040L - 4000 050L - 5000
30x30 750x750	032L - 3200
20x60 500x1500	050L - 5000

Options

Driver Options
B15 Bi-Level Step Dimming (50/100)⁺ (Not available for 347V)
B39 Emergency Lighting Battery Pack - LED

Housing Construction Options
C32 Chicago Plenum

Packaging Options
K0 Bulk Pack/Pallet Packed and/or Wrapped

Wiring Options
V09 Flexible Whip (standard 6Ft. x 3-18 ga.)

Controls Options
For advanced wireless controls Click Here.

*Includes filler plates. Consult factory for configuration details.
^ 90+ CRI reduces lumen output by 20%, not available with 5000K
⁺ Not available for 347V. Consult factory for configuration details

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	4214	26.8	157.2
	5000	4961	31.9	155.4
2x2	2000	2069	13.2	157.3
	3200	3214	21.2	151.9
2x4	4000	4214	26.8	157.2
	5000	4961	31.9	155.4
20x60 500x1500	3200	3214	21.2	151.9
30x30 750x750	5000	4961	31.9	155.4

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

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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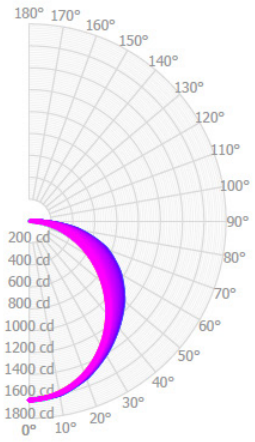
Photometrics

IES File: **LRTZ2X4-LED840K050LUNV**
Lumens: **5041**
Wattage: **41.5**
Efficacy: **121**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1255	24.9%
0.0° - 40.0°	2053	40.7%
0.0° - 60.0°	3699	73.4%
0.0° - 90.0°	5041	100.0%
0.0° - 110.0°	5041	100.0%
0.0° - 130.0°	5041	100.0%
0.0° - 150.0°	5041	100.0%
0.0° - 170.0°	5041	100.0%
0.0° - 180.0°	5041	100.0%

Average Luminance Table (cd/m2)
CP Summary

	0.00°	45.00°	90.00°
0.00°	2252	2252	2252
45.00°	1956	2088	2282
55.00°	1836	2115	2425
65.00°	1695	2229	2654
75.00°	1480	2501	2919
85.00°	758	2760	3117

Coefficients of Utilization

ρc	80%			70%			50%		
ρw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	119	119	119	116	116	116	111	111	111
1	107	102	97	105	100	95	99	95	92
2	97	88	81	94	86	79	89	83	77
3	88	77	68	85	75	67	81	72	65
4	80	68	58	78	66	58	74	64	56
5	74	60	51	72	59	50	68	57	49
6	68	54	45	66	53	44	62	51	44
7	63	49	40	61	48	40	58	47	39
8	59	45	36	57	44	36	54	43	35
9	55	41	33	53	40	32	51	39	32
10	51	38	30	50	37	30	48	36	29

Effective Floor Cavity Reflectance: 20%