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|----------|--------------|-------|
| 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

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.

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

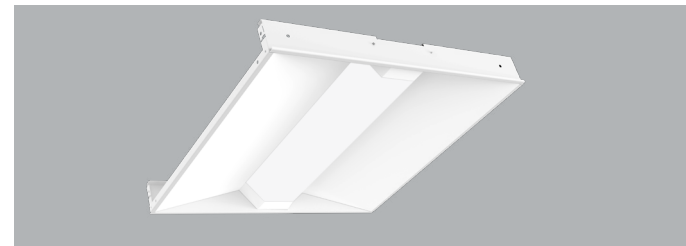
5 year limited warranty. For complete warranty, click here:



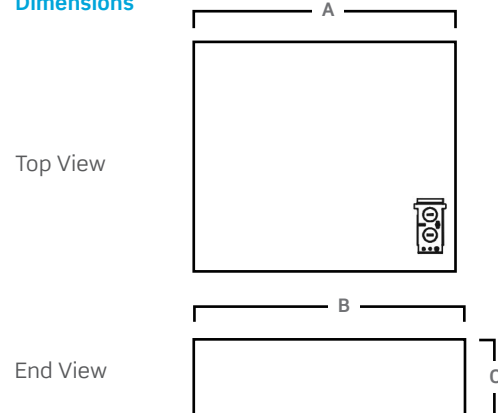
Approvals

- 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



Dimensions



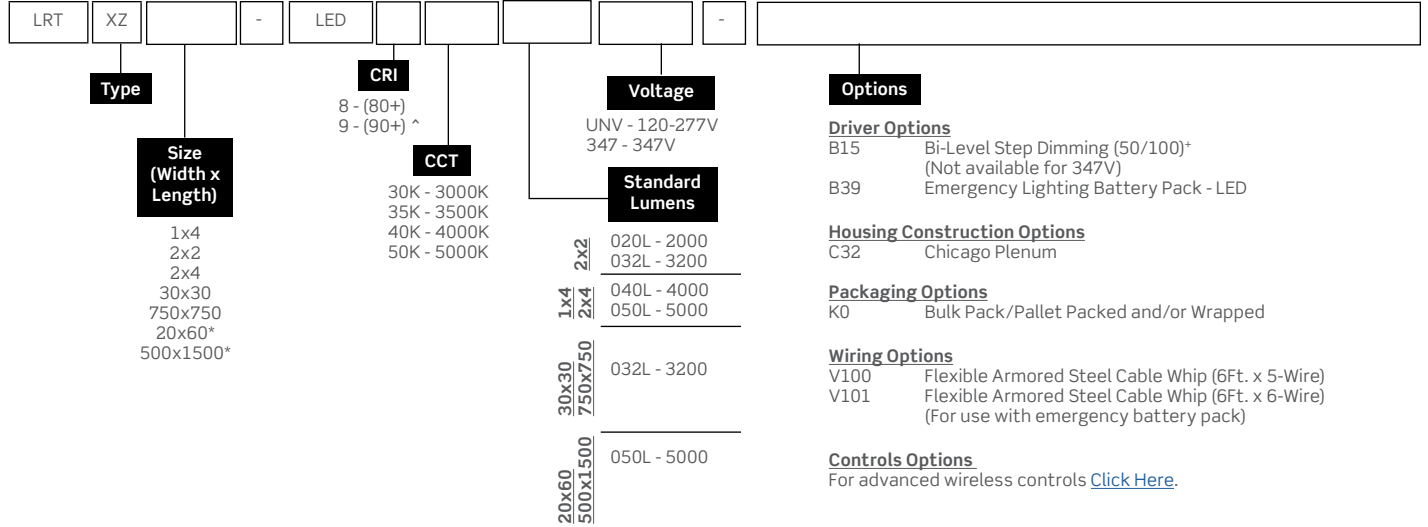
| Size | A | B | C |
|----------|---------|---------|--------|
| 1x4 | 47 3/4" | 11 3/4" | 2 1/2" |
| 2x2 | 23 3/4" | 23 3/4" | 2 1/2" |
| 2x4 | 47 3/4" | 23 3/4" | 2 1/2" |
| 30x30 | 29 3/4" | 29 3/4" | 2 1/2" |
| 20x60 | 59 3/4" | 19 3/4" | 2 1/2" |
| 750x750 | 744mm | 744mm | 90mm |
| 500x1500 | 1494mm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

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LRTZ2X2-LED840K032LUNV



- 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**
- 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)

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

| 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 |

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 |

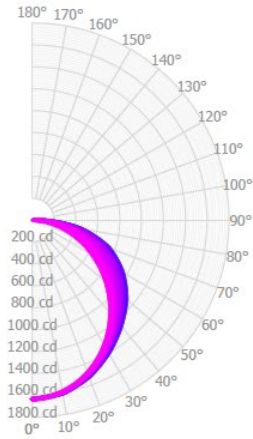
Lifetime Expectancy

| | 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: **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% |

Coefficients of Utilization

| pc | 80% | | | 70% | | | 50% | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | pw | 70% | 50% | 30% | 70% | 50% | 30% | 70% | 50% |
| 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 |

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 |

Effective Floor Cavity Reflectance: 20%