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|----------|--------------|-------|
| Project: | Catalogue #: | Type: |
| Notes: | | |

Product Description

Premium-grade, surface-mounted ceiling luminaire featuring a single edge-to-edge lens. This luminaire's low-profile design makes it ideal for lower ceiling height applications and comes standard with 0-10v dimming. Features hinged and latched door frame.

Applications

Schools, Retail Stores, Offices, Hospitals, Nursing Homes

Features

- Clean appearance - no exposed fasteners
- Shallow design
- Mitred corners
- 80+ CRI
- Standard low voltage dimming (0-10V)
- Available in 1x4, 2x2 and 2x4 configurations

Featured Options

- Emergency Lighting Battery Pack
- Optional Lenses, see product selection
- Gasketing

Optical System

Standard diffuser is frosted, prismatic pattern #12, lay-in acrylic lens. Other lenses available (see options).

Mounting

Holes provided for chain-mounting support to building structure. Offset mounting pads, which keep luminaire level and slightly off of mounting surface, are formed within the housing. Optional aircraft cable assemblies and canopy sets are available.

Construction

CNC brake-formed, code gauge steel housing and ends. Precision-formed steel reflector. Diffuser is held within a hinged door frame. The heavy-gauge door frame hinges downward on either side, and is held in the closed position by two positive cam latches. Gasketing options to seal the fixture from dust and moisture. (See options).

Finish

White polyester powder painted surfaces standard. Consult rep for other finishes.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 > 50,000 hours.

Warranty

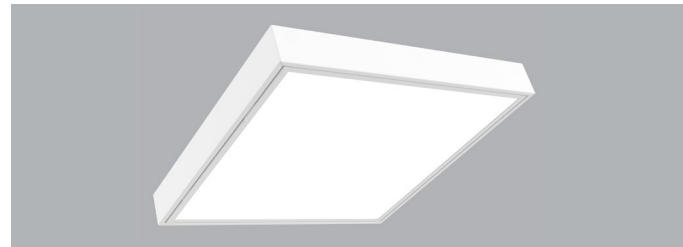
5 year limited warranty. For complete warranty, click here:



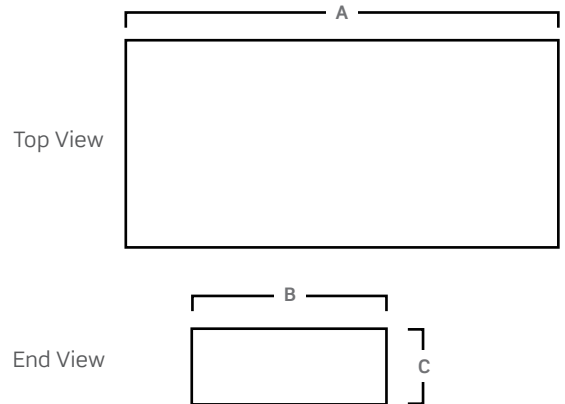
Approvals

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

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



Dimensions



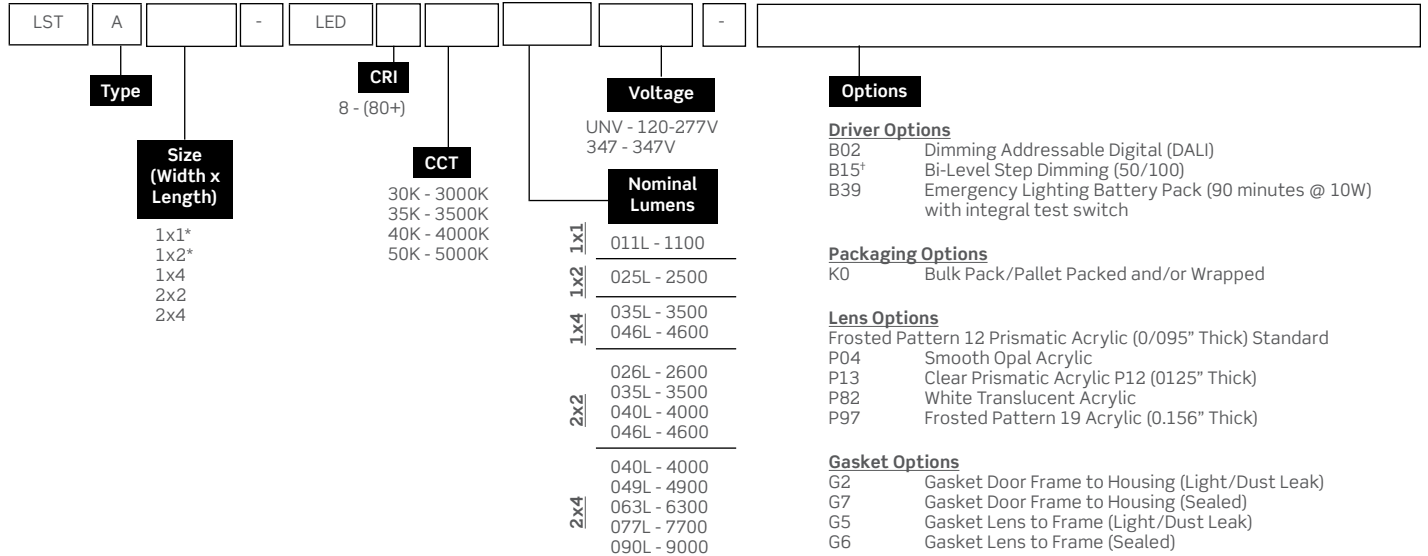
| Size | A | B | C |
|------|---------|---------|---------|
| 1x4 | 47 3/4" | 11 3/4" | 4 3/16" |
| 2x2 | 23 3/4" | 23 3/4" | 3 3/16" |
| 2x4 | 47 3/4" | 23 3/4" | 3 3/16" |

Consult installation guide for exact dimensions.

| | | |
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Order Key

EXAMPLE: LSTA2x2- LED840K035LUNV-P13



Wireless Controls Options
To view the controls guide [Click Here](#).

*Consult factory for availability.
†Not available for 347V.

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 |
| 1x1 | 1100 | - | 11 | - |
| 1x2 | 2500 | - | 25 | - |
| 1x4 | 3500 | 3791 | 27.8 | 136.4 |
| | 4600 | 4429 | 33.2 | 133.5 |
| 2x2 | 2600 | 2667 | 18.8 | 141.8 |
| | 3500 | 3791 | 27.8 | 136.4 |
| | 4000 | 4112 | 30.5 | 134.9 |
| | 4600 | 4617 | 34.8 | 132.6 |
| 2x4 | 4000 | 4240 | 29.4 | 144.4 |
| | 4900 | 4926 | 34.5 | 142.8 |
| | 6300 | 6338 | 45.5 | 139.4 |
| | 7700 | 7583 | 55.6 | 136.4 |
| | 9000 | 9047 | 68 | 133 |

Values based on 840K with standard lens at 25C

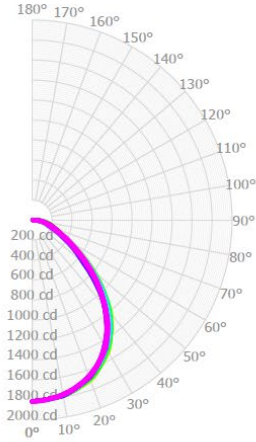
Mounted Accessories (Ordered Separately)

- KIT00001 Chain Set (2) 4ft w/ S-hooks.M10
- KIT00004 Aircraft "Y" Cable (10Ft) with Adjustable Grip (2).M36
- KIT00018 S-Hooks Only (set of 4) for C/S Chain.M45
- KIT00022 Chain Set (2) 3ft w/ S-hooks.M10
- KIT00040 Chain Set (2) 6ft w/ S-hooks.M10
- KIT00042 Chain Set (2) 12ft w/ S-hooks.M10
- KIT00087 Rigid Beam Stem Mounting Box (1x4)
- KIT00088 Rigid Beam Stem Mounting Box (2X2 & 2X4)

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Photometrics

IES File: **LSTA2X2-LED840K040LUNV**
 Lumens: **4011**
 Wattage: **37.7**
 Efficacy: **106**



Zonal Lumen Summary

| Zone | Lumens | %Fixture |
|---------------|--------|----------|
| 0.0° - 30.0° | 1392 | 34.7% |
| 0.0° - 40.0° | 2224 | 55.5% |
| 0.0° - 60.0° | 3476 | 86.7% |
| 0.0° - 90.0° | 4011 | 100.0% |
| 0.0° - 110.0° | 4011 | 100.0% |
| 0.0° - 130.0° | 4011 | 100.0% |
| 0.0° - 150.0° | 4011 | 100.0% |
| 0.0° - 170.0° | 4011 | 100.0% |
| 0.0° - 180.0° | 4011 | 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 | 110 | 106 | 102 | 107 | 103 | 100 | 102 | 99 | 96 |
| 2 | 101 | 94 | 88 | 99 | 92 | 86 | 94 | 88 | 84 |
| 3 | 93 | 84 | 76 | 91 | 82 | 75 | 87 | 79 | 73 |
| 4 | 86 | 75 | 67 | 84 | 74 | 66 | 80 | 71 | 65 |
| 5 | 80 | 68 | 60 | 78 | 67 | 59 | 74 | 65 | 58 |
| 6 | 74 | 62 | 53 | 72 | 61 | 53 | 69 | 59 | 52 |
| 7 | 69 | 56 | 48 | 67 | 55 | 48 | 64 | 54 | 47 |
| 8 | 64 | 52 | 44 | 63 | 51 | 43 | 60 | 50 | 43 |
| 9 | 60 | 48 | 40 | 59 | 47 | 40 | 56 | 46 | 39 |
| 10 | 57 | 44 | 37 | 55 | 44 | 36 | 53 | 43 | 36 |

Average Luminance Table (cd/m2)

| CP Summary | | | |
|------------|-------|--------|--------|
| | 0.00° | 45.00° | 90.00° |
| 0.00° | 5036 | 5036 | 5036 |
| 45.00° | 3740 | 3886 | 3914 |
| 55.00° | 2913 | 2947 | 2855 |
| 65.00° | 2170 | 1989 | 2133 |
| 75.00° | 1766 | 1571 | 2156 |
| 85.00° | 1162 | 2303 | 2929 |

Effective Floor Cavity Reflectance: 20%