

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

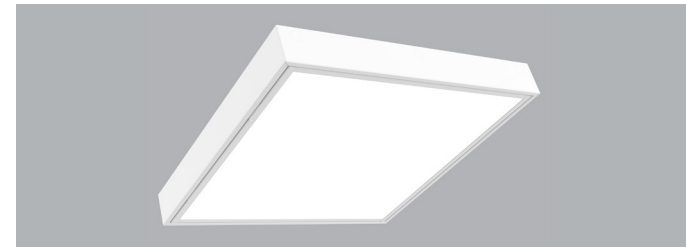
5 year limited warranty. For complete warranty, click here:



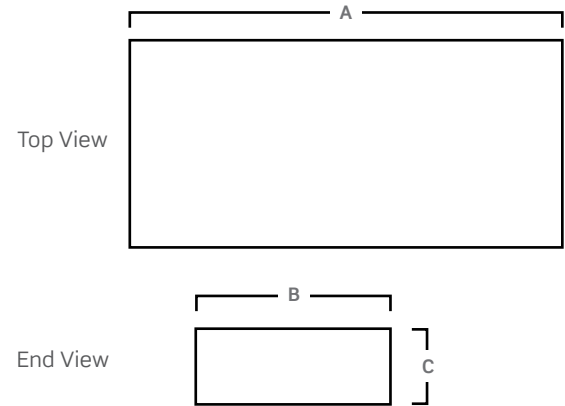
Approvals

- 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



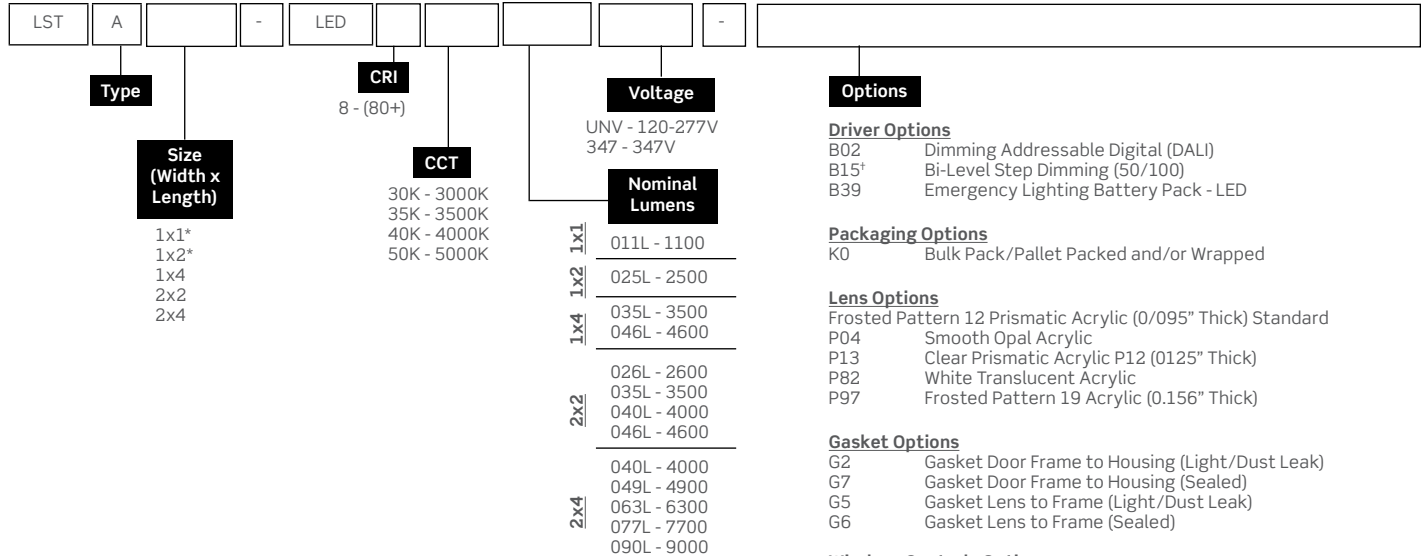
Size	A	B	C
1x4	47 3/4"	11 3/4"	4 3/16"
2x2	23 3/4"	23 3/4"	3 3/16"
2x4	47 3/4"	23 3/4"	3 3/16"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LSTA2x2- LED840K035LUNV-P13



- Options**
- Driver Options**
- B02 Dimming Addressable Digital (DALI)
 - B15† Bi-Level Step Dimming (50/100)
 - B39 Emergency Lighting Battery Pack - LED
- Packaging Options**
- K0 Bulk Pack/Pallet Packed and/or Wrapped
- Lens Options**
- Frosted Pattern 12 Prismatic Acrylic (0/095" Thick) Standard
 - P04 Smooth Opal Acrylic
 - P13 Clear Prismatic Acrylic P12 (0125" Thick)
 - P82 White Translucent Acrylic
 - P97 Frosted Pattern 19 Acrylic (0.156" Thick)
- Gasket Options**
- G2 Gasket Door Frame to Housing (Light/Dust Leak)
 - G7 Gasket Door Frame to Housing (Sealed)
 - G5 Gasket Lens to Frame (Light/Dust Leak)
 - G6 Gasket Lens to Frame (Sealed)
- 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

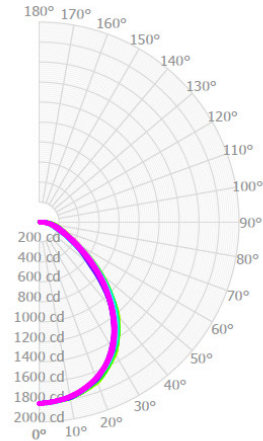
Mounted Accessories (Ordered Separately)

- 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%