

# LRTA-Wet Location

LED - Premium-Grade Recessed Luminaire

Project:	Catalogue #:	Type:
Notes:		

## Product Description

Premium-grade enclosed and gasketed luminaire. This IC-rated luminaire's welded steel housing, shallow design and dust and moisture resistance, make it ideal for use with indoor and outdoor (canopy) applications that require a wet location recessed lay-in T-Bar/Drywall luminaire with a door frame.

## Applications

Outdoor, under covered canopy, Wet and Dusty environments

## Features

- Ideal for shallow or obstructed plenum applications
- Frosted prismatic acrylic diffuser
- Standard low voltage dimming (0-10v)
- 80+ CRI
- Available in 1x4, 2x2, 2x4

## Featured Options

- NSF
- Step dimming
- Various lenses
- Fasteners Tamper Proof

## Optical System

One piece perimeter door frame with inverted frosted, prismatic pattern #12, sealed acrylic lens. Other lenses available (see options).

## Mounting

Holes provided for chain-mounting support to building structure. Lay-in type luminaire for exposed grid type acoustical ceiling structure and swing style mounting brackets for drywall ceiling installation.

## Construction

Die-formed and spot welded, steel housing assembly and 20 gauge steel door frame. Triple gasketed with sealed lens, gasketed door frame assembly and gasketed housing flange.

## Finish

White, polyester powder painted housing.

## Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours.

## Warranty

5 year limited warranty. For complete warranty, click here: [5YR Warranty](#)

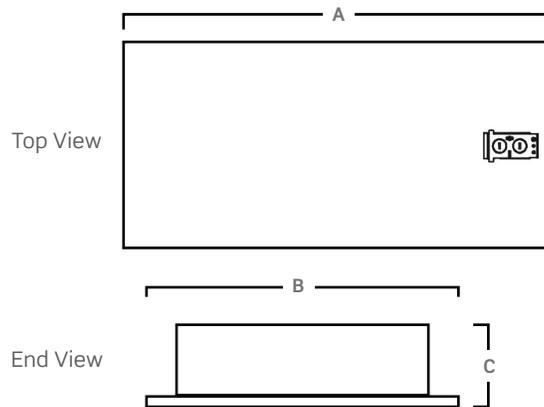


## Approvals

- Approved to CSA/UL standards. UL listed for insulated ceilings.
- Tested in accordance to IESNA LM-79.
- UL listed for wet locations.



## Dimensions



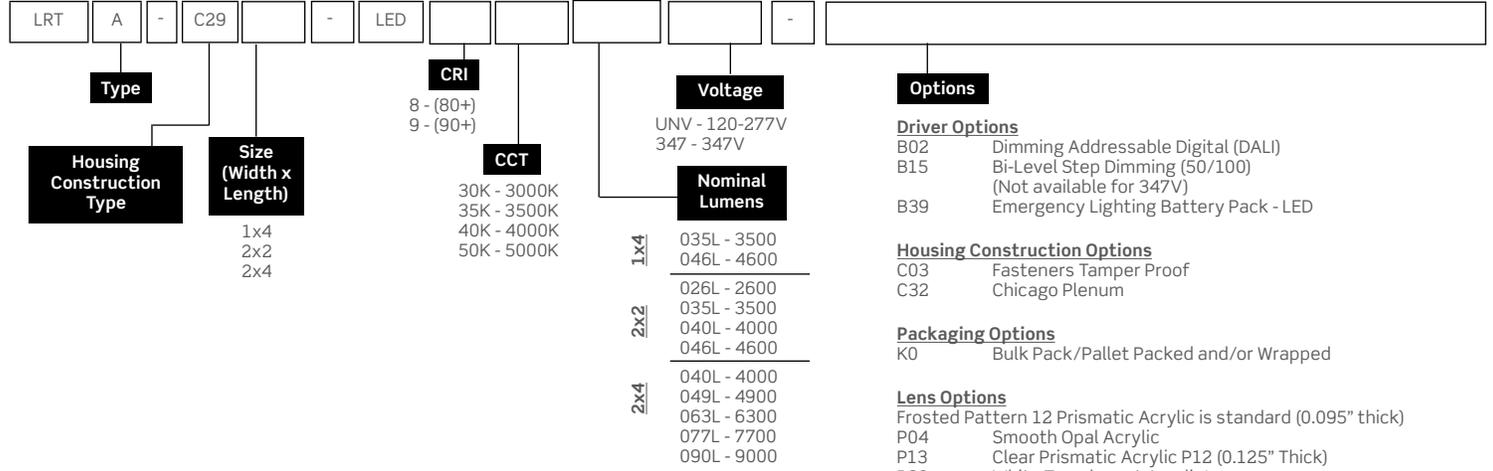
Size	A	B	C
1x4	47 3/4"	11 3/4"	3 15/16"
2x2	23 3/4"	23 3/4"	3 15/16"
2x4	47 3/4"	23 3/4"	3 15/16"

Consult installation guide for exact dimensions.

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### Order Key

**EXAMPLE: LRTA-C29-2x2-LED840K035LUNV**



**Housing Construction Type**

**Size (Width x Length)**  
1x4  
2x2  
2x4

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

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

**Voltage**  
UNV - 120-277V  
347 - 347V

**Nominal Lumens**

1x4	035L - 3500 046L - 4600
2x2	026L - 2600 035L - 3500 040L - 4000 046L - 4600
2x4	040L - 4000 049L - 4900 063L - 6300 077L - 7700 090L - 9000

**Options**

**Driver Options**  
B02 Dimming Addressable Digital (DALI)  
B15 Bi-Level Step Dimming (50/100) (Not available for 347V)  
B39 Emergency Lighting Battery Pack - LED

**Housing Construction Options**

C03 Fasteners Tamper Proof  
C32 Chicago Plenum

**Packaging Options**

K0 Bulk Pack/Pallet Packed and/or Wrapped

**Lens Options**

Frosted Pattern 12 Prismatic Acrylic is standard (0.095" thick)  
P04 Smooth Opal Acrylic  
P13 Clear Prismatic Acrylic P12 (0.125" Thick)  
P82 White Translucent Acrylic\*  
P97 Frosted Pattern 19 Acrylic (0.156" Thick)  
P103 Clear Polycarbonate with White Translucent Polycarbonate Overlay (0.125" Thick)

**Approval and Rating Options**

X5 NSF - National Sanitation Foundation (Comes with NSF compliant gloss white finish)

**Controls Options**

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

\* For X5 - must be used as an interior lens only and in conjunction with P13 or standard lens.

Lens Note: For X5 option, smooth side must face down.

\* See Ordering Key.

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	3500	3624	26.8	135.2
	4600	4648	35	132.8
2x2	2600	2764	21.2	130.6
	3500	3529	27.8	127
	4000	3828	30.5	125.6
	4600	4643	38.1	121.9
2x4	4000	3946	29.4	134.4
	4900	4901	37.1	132.1
	6300	6452	50.2	128.4
	7700	7656	61	125.6
	9000	9401	77.3	121.6

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

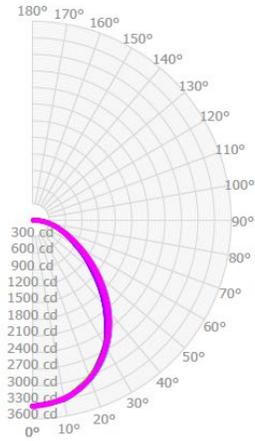
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## Photometrics

IES File: **LRTA-C29-2X4-LED840K077LUNV-P13**  
 Lumens: **7859**  
 Wattage: **68**  
 Efficacy: **116**



### Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	2531	32.2%
0.0° - 40.0°	4022	51.2%
0.0° - 60.0°	6498	82.7%
0.0° - 90.0°	7859	100.0%
0.0° - 110.0°	7859	100.0%
0.0° - 130.0°	7859	100.0%
0.0° - 150.0°	7859	100.0%
0.0° - 170.0°	7859	100.0%
0.0° - 180.0°	7859	100.0%

### Coefficients of Utilization

ρc	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	119	119	119	116	116	116	111	111	111
1	109	105	101	107	103	99	102	98	95
2	100	92	86	97	90	84	93	87	82
3	92	82	74	89	80	73	85	77	71
4	84	73	65	82	72	64	78	69	62
5	78	66	57	76	65	57	72	63	55
6	72	60	51	70	59	50	67	57	50
7	67	54	46	66	53	45	62	52	45
8	63	50	41	61	49	41	58	48	41
9	59	46	38	57	45	38	55	44	37
10	55	42	35	54	42	35	52	41	34

### Average Luminance Table (cd/m<sup>2</sup>)

	0.00°	45.00°	90.00°
0.00°	4635	4635	4635
45.00°	3684	3493	3362
55.00°	3122	2920	2794
65.00°	2591	2440	2410
75.00°	2314	2260	2336
85.00°	1983	2521	2629

Effective Floor Cavity Reflectance: 20%