

Project:	Catalogue #:	Type:
Notes:		

Product Description

Commercial-grade, recessed, lay-in coffered T-Bar troffer with modern styling and high visual comfort featuring a single shallow semi-round lens. For use with indoor applications where low-glare, high-quality and ease of installation are required. This IC-rated luminaire's low-profile design makes it ideal for shallow or obstructed plenum applications.

Features

- Shallow design
- Enhanced, uniform lighting delivers a balanced amount of light to walls, cubicles, work surfaces and people
- Extruded acrylic lens
- Standard low voltage dimming (0-10v)
- 80+ CRI
- Available in 1x4, 2x2 and 2x4 configurations
- For use in insulated ceilings
- Room side access for driver compartment

Applications

- Office Areas
- Retail Stores
- Classrooms
- Hospitals
- Nursing Homes

Featured Options

- Emergency lighting battery pack
- Air handling
- Optional basket/lenses, see ordering key

Optical System

Round linear ribbed frosted acrylic diffuser, offers high levels of efficiency and visual comfort. Indirect reflectors are precision formed and contoured to provide soft, lowglare, indirect illumination, while maintaining high-efficiency and a wide, uniform light distribution. Other lens options available (see ordering key on page 2).

Mounting

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

Construction

Die-formed, code gauge steel housing. Precision-formed steel reflector.

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 terms visit:

https://www.viscor.com/en/docs/VISCOR_LED_WARRANTY.PDF

Approvals

Approved to CSA/UL standards. UL listed for insulated ceilings.

Tested in accordance to IESNA LM-79.

Suitable for damp locations.

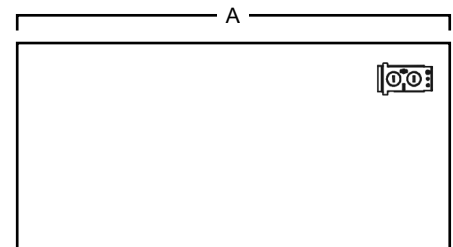
DesignLights Consortium® Qualified.

Approvals

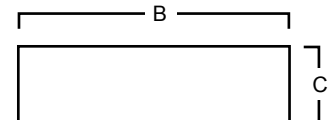


Dimensions

Top View



End View



	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	64mm
500x1500	1494mm	494mm	64mm

Consult installation guide for exact dimensions.

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

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Order Key

EXAMPLE: LRTH2x4- LED840K050LUNV-P90

LRT	H		-	LED					-	
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Type

Size (Width x Length)

1x4
2x2
2x4
30x30
750x750
20x60 †
500x1500 †

† Includes filler plates. Consult factory for configuration details.

CRI

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

CCT

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

Voltage

UNV - 120-277V
347 - 347V

Nominal Lumens

1x4
040L - 4000
020L - 2000
032L - 3200
040LC - 4000
045LC - 4500

2x2
040L - 4000
050L - 5000
060LC - 6000
072LC - 7200
085LC - 8500

2x4
032L - 3200

30x30
050L - 5000

20x60
050L - 5000

500x1550
050L - 5000

750x750
050L - 5000

Custom Lumens
--LC*

Options

Driver Options

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

Air Handling Options

A1 Air Supply/Return Slots
(Consult factory for 1x4)

Housing Construction Options

C45 Housing for 9/16-inch T-Bar - Tegular Tiles
C32 Chicago Plenum

Packaging Options

K0 Bulk Pack/Pallet Packed and/or Wrapped

Lens Options

Round Ribbed Frosted Acrylic Standard
P90 Wide Round Linear Ribbed Frosted Acrylic
P95 Frosted Polycarbonate Square Lens (Narrow)
P95 (W) Frosted Polycarbonate Square Lens (Wide)

Wiring Options

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

Wireless Controls Options (V1)

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

Flange Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00136
2x2	KIT00137
2x4	KIT00138

*Custom Lumens		
Size	Nominal Lumens Range	Watts
1x4	2000 - 6000	14 - 40
2x2	2000 - 5500	14 - 37
2x4	3200 - 13400	20 - 107

*5400Lm Example:
LRTH1x4-LED840K054LCUNV

Lens Options



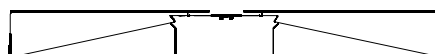
STANDARD LENS



OPTIONAL P90 LENS (WIDE)



OPTIONAL P95 LENS

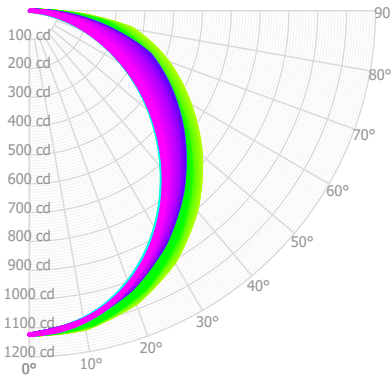


OPTIONAL P95(W) LENS (WIDE)

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Photometrics

IES File: **LRTH2X2-LED840K032LUNV**
 Lumens: **3284**
 Wattage: **32**
 Efficacy: **103**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	860	26.2%
0.0° - 40.0°	1399	42.6%
0.0° - 60.0°	2463	75.0%
0.0° - 90.0°	3284	100.0%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	3022	3022	3022
45.00°	2454	2855	3193
55.00°	2210	2812	3324
65.00°	1900	2873	3653
75.00°	1481	3254	4513
85.00°	336	4440	5818

Coefficients of Utilization

pc	80%			70%			pw
	70%	50%	30%	70%	50%	30%	
0	119	119	119	116	116	116	1
1	108	103	98	105	100	96	1
2	98	89	82	95	87	80	
3	89	78	69	86	76	68	
4	81	69	60	79	67	59	
5	75	61	52	72	60	51	
6	69	55	46	67	54	45	
7	64	50	41	62	49	41	
8	59	46	37	58	45	37	
9	56	42	34	54	41	33	
10	52	39	31	51	38	30	

Effective Floor Cavity Reflectance: 20%