

Project:	Catalogue #:	Type:
Notes:		

Product Description

Premium-grade enclosed and gasketed IP65 luminaire. For use with indoor and outdoor applications where high-efficiency, high performance and dust/water resistance is required. This luminaire's glass reinforced polyester housing and acrylic lens make it ideal for applications that require a high degree of ingress protection. Operating ambient temperature range is from -30 to 40 degree celsius. For use in Wet Locations, Hazardous Locations, consult ordering key.

Features

- IP65 - Ingress Protection Rating
- NSF Certified
- Suitable for indoor or outdoor applications
- Dust and water resistant
- Shallow and narrow design
- Lightweight, glass reinforced polyester and resin housing
- Standard low voltage dimming (0-10v, 1%)

Applications

- Canopies
- Cold Storage Facilities
- Food Processing Areas
- Garages and Workshops
- Dusty and Wet Environments



Featured Options

- Emergency Lighting Battery Pack
- Prismatic polycarbonate lens
- Tamper-proof and Stainless steel latches
- Liquid tight strain relief cord connector
- Chain sets

Optical System

Standard diffuser is high-impact acrylic with textured pattern designed for high-efficiency while providing reduced glare. Smooth surface faces outwards.

Mounting

External brass studs moulded in housing for chain or ceiling surface mounting with optional mounting brackets. Offset mounting pads which keep luminaire level and slightly off of the mounting surface are formed within the housing.

Construction

Lightweight, impact-resistant glass-reinforced polyester housing. Holes on each end are 7/8 inch nominal diameter and are provided with two EPDM rubber caps. Diffuser flange fits into the gasketed retention slot providing a continuous seal, and is held in place with retaining latches. Continuous poured in place polyurethane gasket. Captive, corrosion resistant latches made of polyamide (PA) retain diffuser.

Finish

Internal housing assembly pre-painted white steel.

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:
http://viscor.com/assets/Viscor_LED_Warranty.pdf

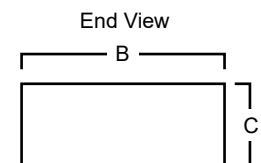
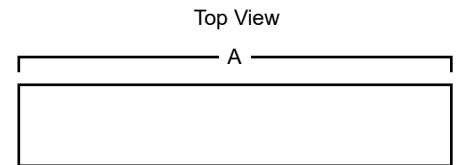
Approvals

Wet Locations. Meets IP65. NSF certified. Approved to CSA and UL standards. Tested to LM-79-08 standards. For use in Hazardous Locations Class I Zone 2, Zone 22. Consult ordering key for HazLoc options and Temperature Codes. DesignLights Consortium® Qualified.



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

Dimensions



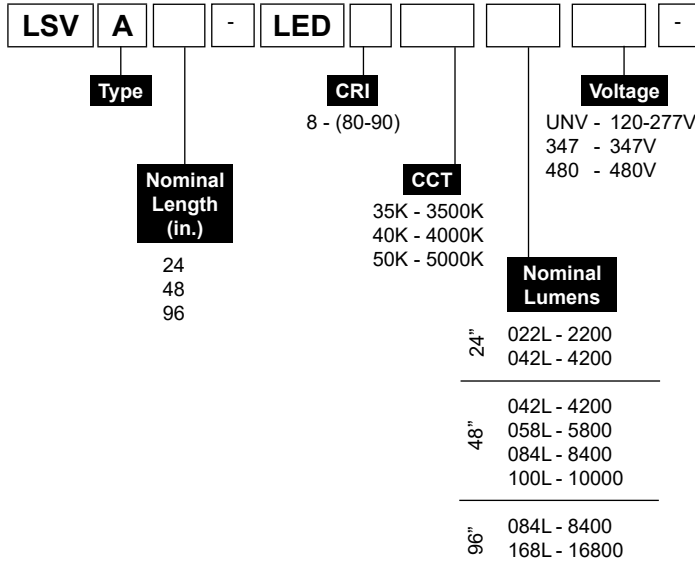
MODEL	A	B	C
24"	25 13/16"	7"	5 1/8"
48"	50"	7"	5 1/8"
96"	97 13/16"	7"	5 1/8"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LSV A - LED - - - - -



Options

Driver Options

B39** Emergency Lighting Battery Pack †
(Not available for the 24-in unit)
- Note: Not available in 347V

Housing Construction Options

C16 Stainless Steel Latches
C18 Tamperproof Latches

Lens Options

(High Impact Acrylic is standard P15)
P16 Prismatic Polycarbonate
P69 Frosted Linear Ribbed Acrylic

Packaging Options

K0 Bulk Pack/ Pallet Packed and/or Wrapped

Wiring Options

V08 Flexible Cord Feed (Single Circuit Cord) 6-ft Standard
V11(1) Hub for 1/2" NPT Threaded Pipe (3/4" OD) - 1 End
V11(2) Hub for 1/2" NPT Threaded Pipe (3/4" OD) - 2 End
V15 Liquid Tight Strain Relief Connector for 7/8" K.O.
V16 Liquid Tight Tandem Connector for 7/8" K.O.
(Not for use with HAZ LOC -"XH" option)
V68 Microwave Occupancy Sensor
V82(UNV) IP65 Motion Sensor 120-277V (For Wet Locations)
V82(UN4) IP65 Motion Sensor 347-480V (For Wet Locations)
V102 White 7/8" Liquid Tight Plug (For Wet Locations)

Approval and Rating Options

XH Class I Zone 2 Groups IIC, IIB + H2, IIA
Zone 22 Groups IIB, IIA
(Class I Div 2 Groups A,B,C,D
Class II Div 2 Groups F,G
Class III)
T3C or T4

† Must be HL rated battery pack for XH option.

Other options may be available, consult factory. Specifications and data subject to change without notice.

Size	Nominal Lumens	Watts (120/277V)	Temp. Code (XH only)
24	022L	18	T4
	042L	33	T3C
48	042L	33	
	058L	40	
	084L	65	
100L**	83		
96	084L	65	
	168L	130	

** 35°C Maximum ambient temperature

Mounted Accessories (Ordered Separately)

KIT00015 Mounting Brackets
KIT00001-xxx Chain set (2) w/ S-Hooks (4) - Specify Length
(Must be used with KIT00015)

Occupancy Sensors (If Ordered Separately)

KIT00065 IP65 Motion Sensor Kit (UNV)
KIT00066 IP65 Motion Sensor Kit (UN4)

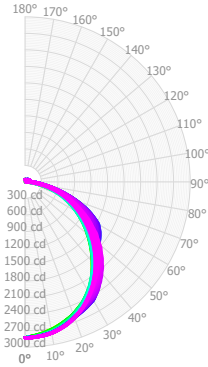
NOTE: Occupancy/Motion Sensors and 1% dimming are not available with Hazardous Location Luminaires (XH Option)



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Photometrics

IES File: **LSVA48-LED840K084LUNV**
Lumens: **8503**
Wattage: **65**
Efficacy: **131**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	2177	25.6%
0.0° - 40.0°	3555	41.8%
0.0° - 60.0°	6271	73.8%
0.0° - 90.0°	8144	95.8%
0.0° - 110.0°	8304	97.7%
0.0° - 130.0°	8412	98.9%
0.0° - 150.0°	8470	99.6%
0.0° - 170.0°	8499	100.0%
0.0° - 180.0°	8503	100.0%

Coefficients of Utilization

pc	80%			70%			50%		
	pw	70%	50%	30%	70%	50%	30%	70%	50%
0	118	118	118	115	115	115	109	109	109
1	107	102	98	104	100	96	98	95	91
2	97	89	82	94	87	80	89	82	77
3	89	78	70	86	76	68	81	72	66
4	81	69	60	78	67	59	74	64	57
5	74	61	52	72	60	52	68	57	50
6	69	55	46	67	54	46	62	52	44
7	64	50	41	62	49	41	58	47	40
8	59	46	37	57	45	37	54	43	36
9	55	42	34	54	41	33	51	40	33
10	52	39	31	50	38	30	48	37	30

**Average Luminance Table
(cd/m2)
CP Summary**

	0.00°	45.00°	90.00°
0.00°	14943	14943	14943
45.00°	12856	11054	10745
55.00°	11896	9821	10842
65.00°	10781	9530	8715
75.00°	8723	6585	4805
85.00°	3200	3243	2141

Effective Floor Cavity Reflectance: 20%