



Project	
Notes	
Type	Date
Cat. No.	

LWLV™ Series

LED Wall Bracket/Stairwell Luminaire



DESCRIPTION

The LWLV Series of LED Wraparound fixtures are a cost effective, energy-saving replacement for less efficient fluorescent wrap-around fixtures. The LWLV wrap fixture features a full length U-wrap Acrylic lens and a one-piece fabricated steel body. These LED wraparound fixtures are ideal for lighting in parking garages and stairwells and/or to help you meet applicable building and safety codes in residential multi-family buildings, workshops, utility rooms, corridors and other commercial applications.

Specification Features

Construction

Rugged construction, solid die formed, cold-rolled steel housing. All fixtures surfaces powder coated after fabrication. Frosted acrylic diffusers provides even consistent light while reducing glare. Lens design and materials provide uniform appearance without pixelation.

Qualifications

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DesignLights Consortium® (DLC) qualified product. Not all models of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which models are qualified.

Electrical

Equipped standard with 0-10V continuous dimming driver. Optional 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs.

Installation

Suitable for wall or ceiling mounting, vertical or horizontal.

Warranty

5-year Limited Warranty. See warranty documentation for more information.



LWLV Series

2' Housing
17W (1922 Lumens)

3' Housing
27W (2700 Lumens)

4' Housing
40W (4023 Lumens)

Rated Life 60,000 hours
Limited Warranty 5 Years
Efficacy 115 lm/W
Continuous Dimming



Quick Ship/ DLC Listed

LWLV-2-17-MVD-840
LWLV-4-40-MVD-840

Ordering Information

Example: LWLV-2-17-MVD-840

LWLV	2	17	MVD	8	40
Series LWLV LED Wall Bracket/ Stairwell Luminaire	Form Factor 2- 24" Length ² 3- 36" Length ¹ 4- 48" Length ²	Rated Wattage 2' Housing 17- 19W (1992 Lumens) ² 3' Housing 27- 27W (2700 Lumens) ¹ 4' Housing 40- 40W (4023 Lumens) ²	Driver Type MVD- 120-277V; 0-10V Dimming ²	CRI 8 80+ CRI ²	Color Temp 40 4000 K ² 50 5000 K ¹
			Emergency Backup EML8 800lm EML16 1600lm	Controls MOS- Integral Microwave Sensor, On/Off MOSB- Integral Bi-Level Microwave Sensor	Accessories N/A

Specifications and Dimensions subject to change without notice

Performance Summary

Input Voltage	120-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficac	> 110.6 lm/W
CRI	80+, R9 > 0
Available CCT ¹	4000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 ³	> 72,000 hours or > 45,000
Power Factor	>0.92
THD	< 2.3%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-18°C to 40°C

Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Frosted Acrylic	4"	LWLV-2-17-MVD-840	19.15W	1,992.88	104.07
	8"	LWLV-4-40-MVD-840	38.2W	4,023.38	105.8

NOTES:

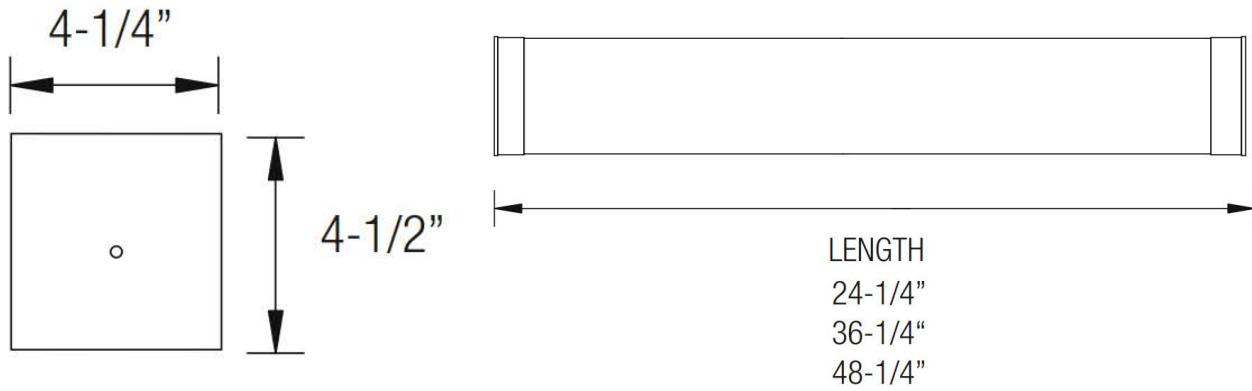
- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² DLC Listed
- ³ DLC Premium Listed
- ⁴ Quick ship: 4000K. Other CCTs may require a lead time or be special order
- ⁵ Typical color consistency. May vary or be changed.
- ⁶ Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications and Dimensions subject to change without notice



Product Dimensions

LWLV

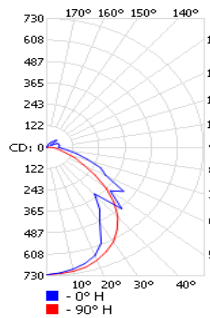


LWLV™ Series

Photometric Data

LWLV-2-17-MVD-840 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	555.8	27.70%	27.80%
0-40	878.1	43.80%	43.90%
0-60	1,440.50	71.90%	72%
60-90	408.4	20.40%	20.40%
0-90	1,848.80	92.30%	92.40%

Coefficients of Utilization

RCC %:	80				70				50	
	70	50	30	0	70	50	30	0	50	30
RW %:	1.17	1.17	1.17	1.17	1.13	1.13	1.13	0.92	1.07	1.07
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	0.92	1.07	1.07
1	1.07	1.02	0.97	0.93	1.03	0.99	0.95	0.77	0.93	0.9
2	0.97	0.89	0.82	0.76	0.94	0.86	0.8	0.65	0.81	0.76
3	0.89	0.78	0.7	0.64	0.85	0.76	0.69	0.56	0.72	0.66
4	0.81	0.69	0.61	0.54	0.78	0.68	0.6	0.48	0.64	0.57
5	0.75	0.62	0.53	0.47	0.72	0.61	0.53	0.42	0.58	0.51
6	0.69	0.56	0.48	0.41	0.67	0.55	0.47	0.37	0.52	0.45
7	0.64	0.51	0.43	0.37	0.62	0.5	0.42	0.34	0.48	0.41
8	0.6	0.47	0.38	0.33	0.58	0.46	0.38	0.3	0.44	0.37
9	0.56	0.43	0.35	0.3	0.54	0.42	0.35	0.27	0.4	0.34
10	0.53	0.4	0.32	0.27	0.51	0.39	0.32	0.25	0.38	0.31

Effective Floor Cavity Reflectance: 20%

