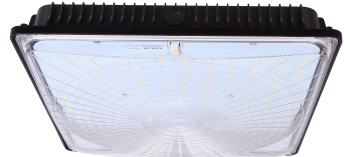




Project	
Notes	
Type	Date
Cat. No.	

LSC™ Series **LED Square Canopy**



DESCRIPTION

The LSC family of LED canopy fixtures combine high-performance LEDs, highly-engineered optics to traditional designs to bring you the most advanced line of canopy fixtures on the market. The long LED life coupled with exceptional color rendering make this fixture attractive for new or retrofit projects. Multiple lumen packages mean there is an LSC that is just right for your lighting needs.

- LSC Series**
- 40W (4500 Lumens)
 - 70W (8000 Lumens)



Specification Features

Construction

Rugged die cast aluminum housing withstands outdoor environments. Outer surface treated with durable power coating to provide resistant to corrosion, rust, weathering, and or degradation. Performance engineered internal heat dissipation fins provide superior thermal management for lens life and reliability.

Qualifications

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Wet location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards. DesignLights Consortium® (DLC) DLC qualified product. Not all product variations in this list are 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 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

Luminaire mounting designed for standard J-Box. Features multiple conduit entries.

Warranty

5-year limited warranty. See complete warranty for terms and exclusions. (Labor not included).

- Rated Life 60,000 hours
- Limited Warranty 5 Years
- Efficacy ~ 145 lm/W
- Continuous Dimming



Quick Ship/ DLC Listed

- LSC-40-MVD-850
- LSC-70-MVD-850

Ordering Information

Example: LSC-40-MVD-850

LSC	40	MVD	8	50		
Series LSC LED Square Canopy	Rated Wattage 40- 40W (4500 Lumens) ² 70- 70W (8000 Lumens) ²	Driver Type MVD-120-277V, 0-10V Dimming ² HVD- 347-480V, 0-10V Dimming ¹	CRI 8 80+ CRI ²	Color Temp 50 5000K ²		
Options						
		Emergency Backup EML8 800lm EML16 1600lm	Controls MOSB- Integral Bi-Level Microwave Sensor MOSB-FM- Microwave Bi-Level Sensor Fixture Mount			

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
Efficacy	> 114 lm/W
CRI	80+, R9 > 0
Available CCT ¹	5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	60,000 hours
L70 ³	> 72,000 hours or > 45,000
Power Factor	>0.99
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		LSC-40-MVD-850	40W	4,500	112.5
		LSC-70-MVD-850	70W	8,000	114.28

NOTES:

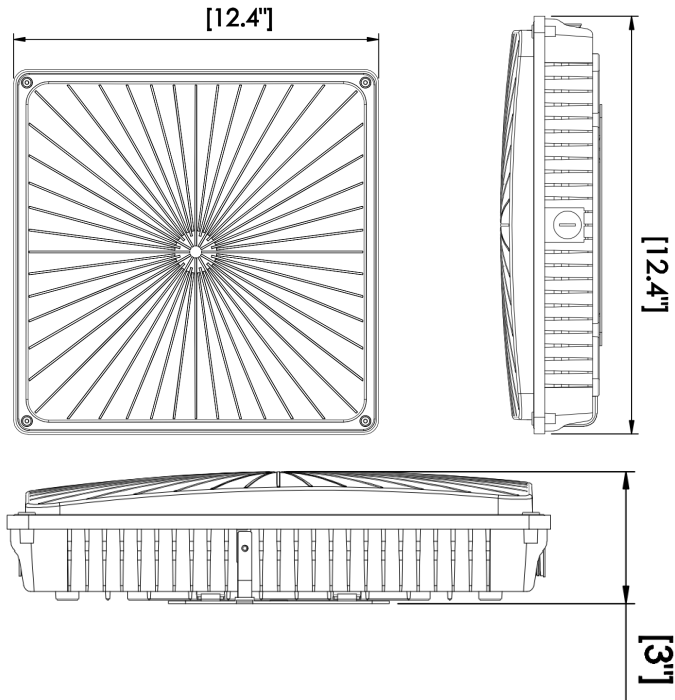
- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² DLC Listed
- ³ DLC Premium Listed
- ⁴ Quick ship: 5000K. Other CCTs may require a lead time or be special order
- ⁵ Typical color consistency. May vary or be changed.
- ⁶ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact GlobaLux for detailed information.
- ⁷ 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

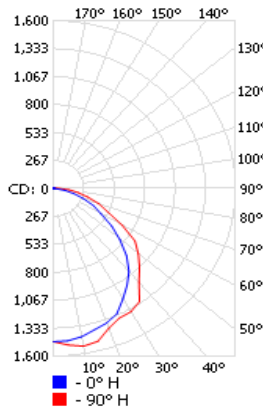
LSC-40/70



Photometric Data

LSC-40-MVD-850 Tested In accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,158.90	27.70%	27.70%
0-40	1,906.00	45.50%	45.60%
0-60	3,315.70	79.20%	79.30%
60-90	823.8	19.70%	19.70%
0-90	4,139.50	98.80%	98.90%

Coefficient of Utilization

RCC %	80				70				50	
	RW %	70	50	30	0	70	50	30	0	50
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	0.99	1.1	1.1
1	1.08	1.04	0.99	0.95	1.06	1.01	0.97	0.84	0.97	0.94
2	0.99	0.91	0.84	0.78	0.96	0.89	0.82	0.71	0.85	0.8
3	0.9	0.8	0.72	0.65	0.88	0.78	0.7	0.6	0.75	0.68
4	0.83	0.71	0.62	0.55	0.8	0.69	0.61	0.52	0.67	0.6
5	0.76	0.63	0.54	0.48	0.74	0.62	0.54	0.45	0.6	0.52
6	0.7	0.57	0.48	0.42	0.68	0.56	0.48	0.4	0.54	0.47
7	0.65	0.52	0.43	0.37	0.63	0.51	0.42	0.35	0.49	0.42
8	0.61	0.47	0.39	0.33	0.59	0.46	0.38	0.32	0.45	0.38
9	0.57	0.43	0.35	0.3	0.55	0.43	0.35	0.29	0.41	0.34
10	0.53	0.4	0.32	0.27	0.52	0.39	0.32	0.26	0.38	0.31

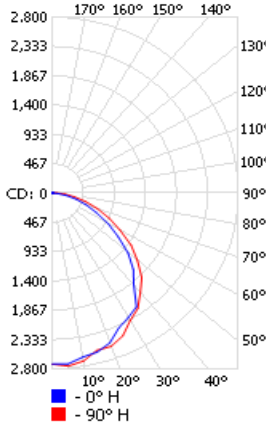
Effective Floor Cavity Reflectance 20%

Specifications and Dimensions subject to change without notice.

Photometric Data

LSC-70-MVD-850 Tested In accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,126.30	27.80%	27.80%
0-40	3,491.70	45.60%	45.70%
0-60	6,066.80	79.30%	79.40%
60-90	1,501.10	19.60%	19.60%
0-90	7,567.90	98.90%	99.10%

Coefficient of Utilization

RCC %:	80				Effective Floor Cavity Reflectance 20%					
	70	50	30	0	70	50	30	0	50	30
RW %:	1.19	1.19	1.19	1.19	1.16	1.16	1.16	0.99	1.1	1.1
RCR: 0	1.08	1.04	0.99	0.96	1.06	1.01	0.97	0.84	0.97	0.94
1	0.99	0.91	0.84	0.78	0.96	0.89	0.82	0.71	0.85	0.8
2	0.9	0.8	0.72	0.65	0.88	0.78	0.71	0.6	0.75	0.69
3	0.83	0.71	0.62	0.55	0.8	0.69	0.61	0.52	0.67	0.6
4	0.76	0.63	0.54	0.48	0.74	0.62	0.54	0.45	0.6	0.52
5	0.7	0.57	0.48	0.42	0.68	0.56	0.48	0.4	0.54	0.47
6	0.65	0.52	0.43	0.37	0.63	0.51	0.43	0.36	0.49	0.42
7	0.61	0.47	0.39	0.33	0.59	0.46	0.38	0.32	0.45	0.38
8	0.57	0.43	0.35	0.3	0.55	0.43	0.35	0.29	0.41	0.34
9	0.53	0.4	0.32	0.27	0.52	0.39	0.32	0.26	0.38	0.31
10										



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