




Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

Description

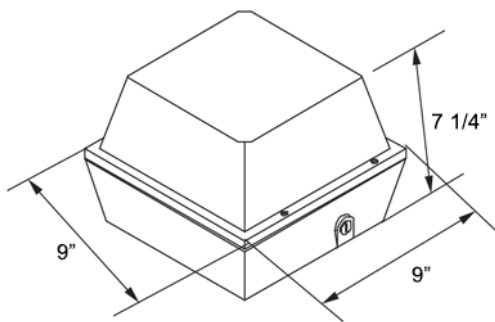
The LC-SM small canopy fixture is a direct replacement for a 100W HID fixture one-for-one. With a standard polycarbonate lens built onto every fixture, this small canopy is perfect for stairwell, passageway, and security lighting applications where vandal resistance is a must.

Performance Data

Model	Watts	Equip	Lumens	Efficacy
LC-SM-25 	22W	100W HID	2,217 Lm	100 LPW

Dimensions & Weights

Model	Width	Height	Depth	Weight
LC-SM	9"	7 1/4"	9"	5.05 lbs.



Technical Specifications

Input Voltage: 120-277V or 347-480V

Housing: Die cast aluminum housing with textured architectural bronze powder coat finish over a chromate conversion coating. 1/2" coin plugs with O-rings for conduit & photocell installation.

Lens: Clear prismatic polycarbonate lens.

Mounting: Mount directly over a 4" recessed electrical box or use 1/2" surface conduit.

Effective Projected Area (EPA): 0.50 ft²

Color Temperature: 2700K WW, 4000K NW (standard), 5000K CW. All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: A 20kA surge suppressor is included and complies with IEEE/ANSI C62.41.2 guidelines for "C High." Surge location rated Category C3.

Lumecon ETD System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750, Lighting Facts and DLC. Not all versions of this product may be DLC qualified. For a complete list of Lumecon DLC Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

Buy American: Meets Buy American requirements within the ARRA.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com



Ordering Information

LC -SM Options / Ordering Example: LC-SM-25-DB-1-NW-X-X-X-OC1-X

WATTAGE	COLOR	VOLTAGE	COLOR TEMPERATURE	BATTERY BACK-UP	SPLIT CIRCUIT
25 - 25 Watts	DB - Dark Bronze C - Custom Color	1 - 120v - 277v 2 - 347v - 480v	NW - Neutral CW - Cool WW - Warm	X - None BB1 -120v BBU* BB2 -277v BBU* BBC1 -120v BBU Cold Temp Rated* BBC2 -277v BBU Cold Temp Rated* <small>*Requires external box</small>	X - None SC - Split Circuit

PHOTOCELL	OCCUPANCY SENSOR	INLINE FUSE
X - None PC1 - 120v PC PC2 - 277v PC PC3 - 347v PC PC4 - 480v PC	X - None OC1 - On/Off OC2 - Dim/High	X - None F - Inline Fuse, 2.5A

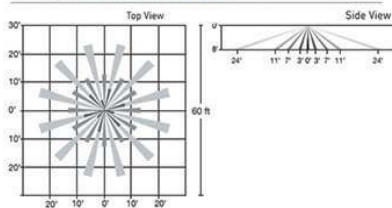
If OCC Sensor Option is selected, mounting height specifications need to be clarified:

- Mounting height between 0' - 10'
- Mounting height between 10' - 40'
- Mounting height over 40'+

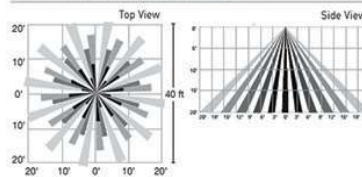
OCC Sensor Patterns

Coverage Patterns

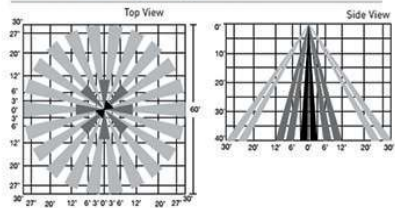
0' - 10' Mounting Height



10' - 40' Mounting Height



40'+ Mounting Height



Battery Back-Up

*An external battery back-up box may be required on certain light fixtures. Please contact Lumecon Sales Agent for clarification.

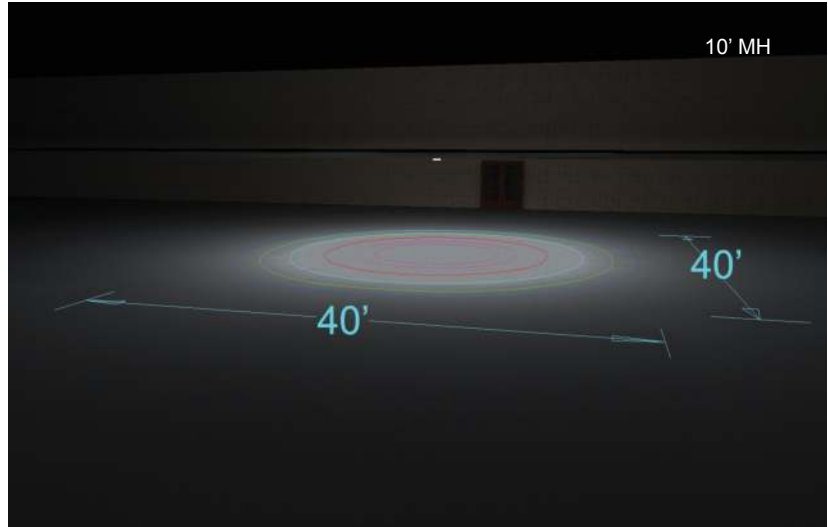
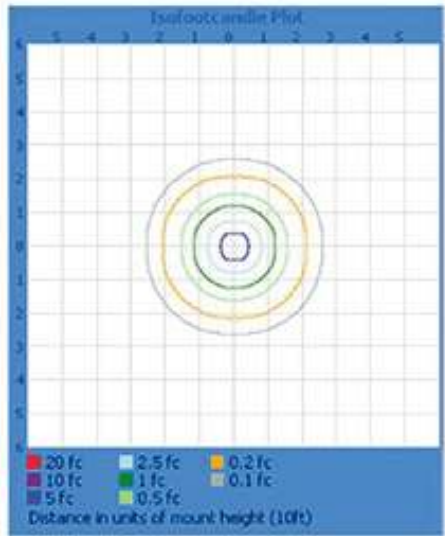
UL Component Recognized / CSA certified

Lumecon's Emergency LED driver has been tested in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and with the standards set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting." Our Emergency LED driver's are UL Component Recognized and CSA Certified for factory installation only. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC), National Building Code of Canada (NBC), National Fire Code of Canada (NFC) and UL 90-minute requirements.



Photometric Data & Illustration

*For .ies files of this product, please visit the downloads tabs on the LC-SM product page: <http://lumecon.com/products/lc-sm-small-stairwell-passageway/>



Performance Data

ELECTRICAL LOAD DATA

Fixture Model	Drive Current (mA)	System Watts (W)	AC Current Load (A)			
			120V	208V	240V	277V
LC-SM-25	112	22.4	0.21	0.12	0.10	0.09

LUMEN MAINTENANCE

Data in the table below references projected performance in a 25°C ambient and is based on 10,000 hours of LED testing. Performance data has been tested per IESNA LM-80-08 and projected per IESNA TM-21-11.

Use the lumen maintenance factor that corresponds to the desired number of operating hours below to calculate LLF.

Fixture Model	Lumen Maintenance Factors @ 25°C, by hours:				
	0	25,000	50,000	70,000	100,000
LC-SM-25	1.0	0.96	0.93	0.90	0.86

Lighting Facts

