



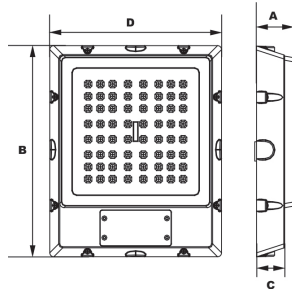
Catalog Number:	
Project:	
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Prepared By:	Date:

Description

The Lumecon Q-VN55Q AmberLED Canopy luminaire with optional integral sensor is available in two wattages with an IES Type V distribution designed to replace HID lighting systems up to 175w MH or HPS for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection. Typical parking garage applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 14 feet can be used based on light level and uniformity requirements.

Dimensions

Width (D)	11¼" (286mm)
Length (B)	13¾" (350mm)
Height 1 (A)	2½" (65mm)
Height 2 (C)	1¾" (47mm)



Technical Specifications

Housing: Low Profile Die Cast Aluminum Housing, ½" Coin Plugs with O-rings for Conduit or External Sensor. Built-in Sensor Housing with Color-Matched UV-Stabilized Polycarbonate Cover. A Clear Cover will be Provided When a Sensor is Ordered.

Lens: Molded UV-Stabilized Acrylic Optical Lens Designed for Garage Lighting Applications.

Mounting: Mount Directly Over Recessed Electrical Box or use ½" Surface Mount Conduit. Adjustable Knuckle with ½" NPS Threads, Sold Separately, Field Installed.

Finish: Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

AmberLED: Aluminum Boards

Wattage: 39w: Array: 39w, System: 43.4w; 52w: Array: 52w, System: 57.2w; (Up to 175w HID Equivalent).

Driver: Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls: Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Certification Data: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750. (Damp Locations When Used with VNQM.) IP66 Sealed LED Compartment.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 5-Year Warranty for -40°C to +50°C Environment.

Ordering Information

Q-VN55Q – Options / Ordering Example: Q-VN55Q-F-1x39-U-AM-Z-SP

Model	Optics	Wattage	Driver	CCT	Color	Options
Q-VN55Q	F - Type V	1x39 - 39w 1x52 - 52w	U - 120-277V	AM - 1400K	W - White Z - Bronze C - Custom Color	SF - Single Fuse* DF - Double Fuse* SP - Surge Protection PC3 - Photocell, 120-277VAC S2 - Microwave Sensor with Dimming for Mounting Heights of 8' to 40'.* S4 - Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.* QM - Quick Mount/Pendant Mount BU - Battery Backup, 90 Minutes* BUC - Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only

Accessories & Replacement Parts

Accessories (Order Separately, Field Installed)

VN55BF* Baffle, Aluminum with Powdercoat Finish

*Specify Color: Z=Bronze, W=White, C=Custom (Consult Factory)



Q-VN55BF*

*Shown Mounted

Replacement Parts (Order Separately, Field Installed)

VNQM Hinged Quick-Mount Bracket, Stamped Steel, Mount Over Recessed Electrical Box, or Use 3/4" NPS Downrod for Pendant Mounting. CSA Listed for Damp Location Mounting.

P18103 120-277VAC Photocell

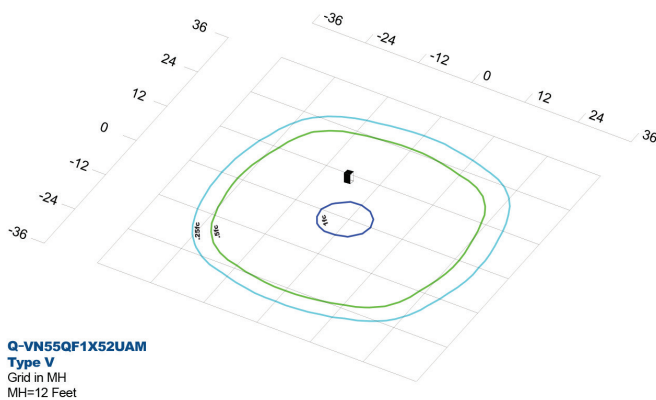
P17117 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.

P17123 Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.



Photometric Data



Performance Data

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 39w	117	43	Type V	1,877	43	1	1	0
AmberLED 52w	117	57	Type V	2,292	40	2	2	1

Projected Lumen Maintenance

Data shown for Amber LEDs	Input Watts	Compare to MH				Calculated LED Life
		TM-21-11	Initial	25,000 Hrs	50,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 57w	1.00	0.97	0.93	0.86	219,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.96	0.91	0.82	114,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.95	0.89	0.78	93,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems

Spectral Chart

