

AIVN43Q
LED Large Shallow Canopy

L70
25°C **177,000 Hours**



The Atlantic AIVN43Q Large Shallow Canopy luminaire is available for surface or pendant mounting configurations with an optical distribution designed specifically to replace HID lighting systems up to 175w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 12 to 20 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:

Die Cast Aluminum Housing, 1/2" Coin Plugs with O-rings for Conduit & Photocell on Two Sides & Back, Nickel-Plated Stainless Steel Hardware.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750.
(Damp Locations When Used with AIVNQM.); IP65 Sealed LED Compartment.

Finish:

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

Lens:

Low-Profile Lexalite Clear Acrylic Prismatic Lens

Mounting Options:

Mount Directly Over a 4" Recessed Outlet Box, or Use 1/2" Surface Conduit or Quick-Mount Bracket.

LED:

Aluminum Boards

Wattage:

Array: 45.4w, System: 52.6w; (175w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 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 Tested with Atlantic Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

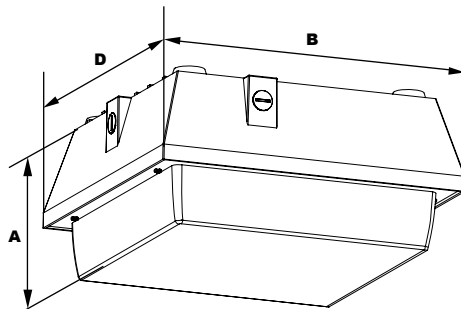
Warranty:

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

See Page 3 for Projected Lumen Maintenance Table.

Dimensions

Width (D)	12 3/4" (314mm)
Length (B)	12 3/4" (314mm)
Height (A)	6" (152mm)



Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



Order Information Example:

AIVN43QF1X45U5KZSP

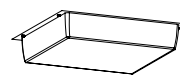
AIVN43Q	F	1X45				
Model	Optics	Wattage	Driver	CCT	Color	Options
AIVN43Q= LED Large Shallow Canopy	F=Type V	1X45=45w	U=120-277V H=347-480V	4K=4000K 5K=5000K	Z=Bronze C=Custom (Consult Factory)	SF =Single Fuse* DF =Double Fuse* SP =Surge Protection PC3 =Photocell, 120-277VAC S2 =Microwave Sensor with 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:

**Replacement Parts
(Order Separately, Field Installed)**

AIVN43AC	Low-Profile LexaLite Clear Acrylic Lens
AIVNQM	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.
AIP18103	120-277VAC Photocell
AIP17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz
AIP17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

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



AIVN43AC



AIVNQM



AIP18103

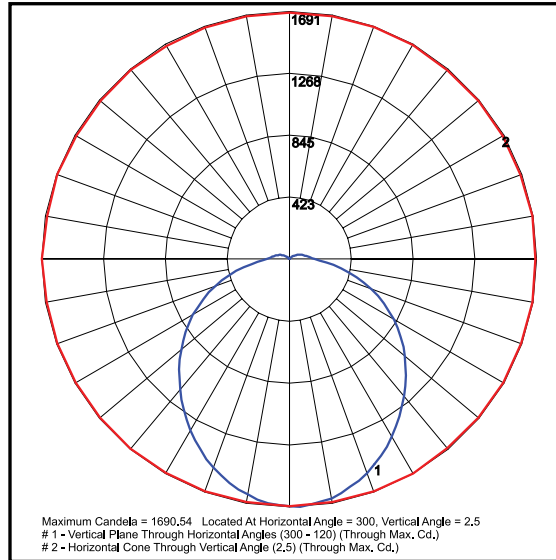
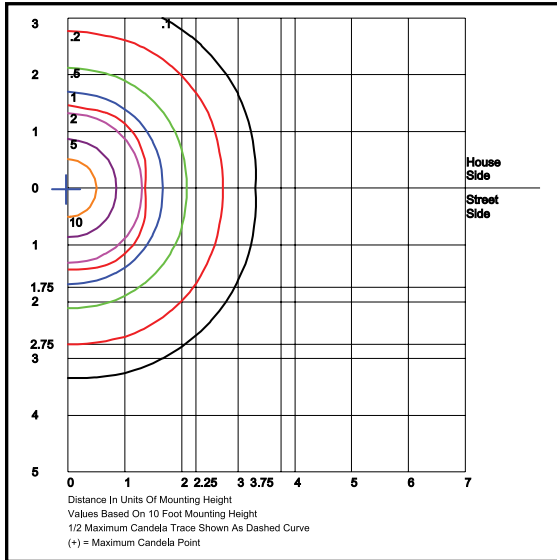


AIP17117



AIP17123

Photometric Data



AIVN43QF1X45U5K
Type V
Grid in MH
MH=10 Feet

AIVN43QF1X45U5K
Type V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI				4000 CCT 80 CRI					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
LED 45w	117	53	Type V	5,427	102	2	3	2	5,210	98	2	3	2

Projected Lumen Maintenance

Data shown for 5000 CCT	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	53	1.00	0.96	0.92	0.83	177,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.85	0.71	102,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.87	0.74	78,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 117mA 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.