INCON LIGHTING
BUY AMERICAN COMPLIANT

9091AM

Caroline WPC12 Small Full Cutoff Wall Pack

AmberLED L70 25° 196,000 Hours

The Incon 9091AM AmberLED Caroline WPC12 Small Cut-Off Wall Pack luminaire is available in 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 595 nm, greater than 560nm required for wildlife protection. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, office buildings and medical facilities. Mounting heights of 8 to 15 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:
Die Cast Hinged and Gasketed Aluminum Front Frame and Housing with ½" Coin Plugs. Nickel-Plated Stainless Steel Hardware. Photocell Adaptable.

Listing & Ratings:
ETL: Listed for Wet Locations, ANSI/UL 1598, 8750; IP65 Sealed LED Compartment.

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

Lens:
Tempered Clear Flat Glass Lens

Mounting Options:
Cast-in Template for Mounting Directly Over a 4" Recessed Outlet Box, or Use ½" Surface Conduit.

AmberLED:
Aluminum Boards

Wattage:
Array: 22w, System: 24.8w; (175w HID Equivalent)

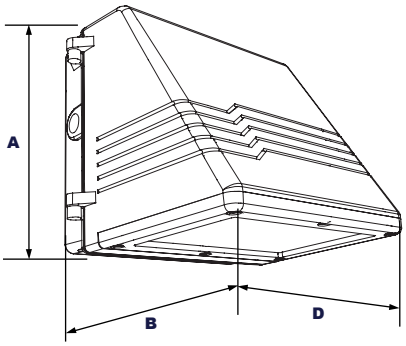
Driver:
Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

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 InCon 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)	8¾" (222mm)
Length (B)	9½" (241mm)
Height (A)	8⅝" (219mm)

Project Information:

Project Name:

Fixture Type:

Complete Catalog #:

Date:

Comments:

Certification & Listings:

C ETL US INTERTEK LISTED

IP65

9091AM

INCON LIGHTING
BUY AMERICAN COMPLIANT

Caroline WPC12 Small Full Cutoff Wall Pack

AmberLED L70 25° **196,000 Hours**

Ordering Guide:

9091AM	F	1X22		AM	C		
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Options**
9091AM=AmberLED Carolina WPC12 Small Full Cutoff Wall Pack	**F**=Type V	**1X22**=22w	**U**=120-277V **H**=347-480V	**AM**=1400K	**C**=Clear Flat Glass Lens	**Z**=Bronze **C**=Custom (Consult Factory)	**SF**=Single Fuse* **DF**=Double Fuse* **SP**=Surge Protection **PC3**=Photocell, 120-277VAC **P12**=Pencil Photocell, 208-277VAC **P14**=Pencil Photocell, 120-277VAC **P20**=Swivel Photocell, 120VAC **P22**=Swivel Photocell, 208-277VAC **BU**=Battery Backup, 90 Minutes* **BUC**=Cold Start Battery Backup, -20°C, 90 Minutes* ***120-277V Models Only.**

Order Information Example: 9091AMF1X22UAMCZSP

Accessories & Replacement Parts:

Accessories (Order Separately, Field Installed)	
WPC12BFZ	Baffle, Aluminum with Bronze Powdercoat Finish

WPC12BFZ*

***Shown Mounted**

Replacement Parts (Order Separately, Field Installed)	
WPC12GLC	Tempered Clear Flat Glass Lens.
P18103	120-277VAC Photocell
P18112	208-277V, 240VAC Pencil Photocell
P18114	120-277V, 50/60Hz Pencil Photocell
P18120	110-130V, 120VAC Swivel Photocell
P18122	208-277V, 240VAC Swivel Photocell

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

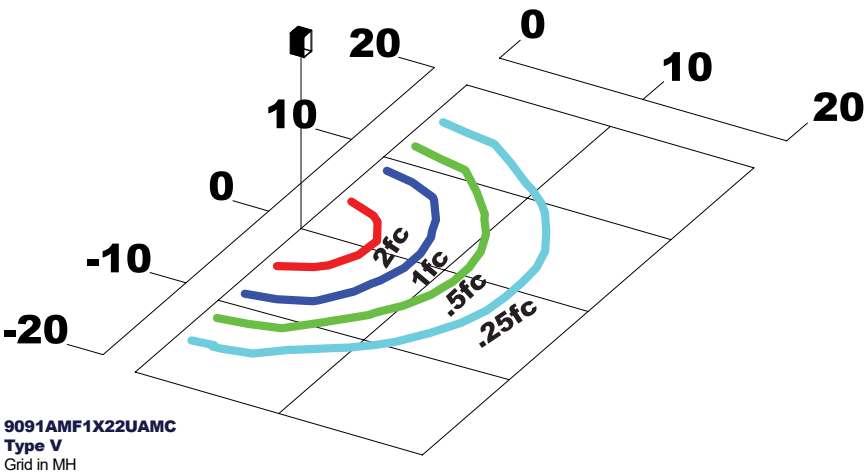
P18103

P18112

P18114

P18120 & P18122

Photometric Data



9091AMF1X22UAMC
Type V
Grid in MH
MH=10 Feet

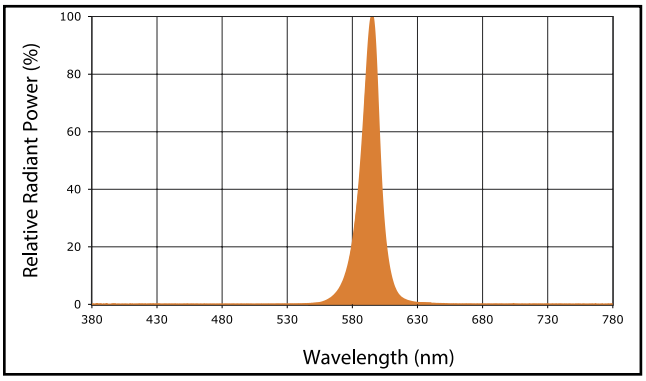
INCON LIGHTING
BUY AMERICAN COMPLIANT

9091AM

Caroline WPC12 Small Full Cutoff Wall Pack

AmberLED L70 25° 196,000 Hours

Spectral Chart



Photometric Performance

				Amber LEDs				
LED Board Watts	Drive Current (mA)	Input Watts	Optics	Lumens	LPW	B	U	G
AmberLED 22w	525	25	Type V	794	32	0	1	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	25	1.00	0.96	0.92	0.85	196,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.86	0.73	110,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.88	0.76	84,000

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.