AccessFixtures
High-Performance Lighting Solutions

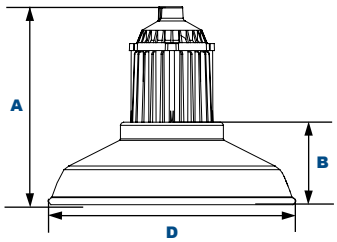
FWC Certified Turtle-Friendly Luminaire

PIRU

187,000 Hours

Certified by Florida Fish and Wildlife Conservation Commission (FWC)

FWC Certified LED Luminaires



Dimensions	
Diameter (D)	16″ (408mm)
Height (A)	**AF33XVP53Q:** 12¾″ (326mm) **AF33XB53Q:** 12″ (305mm)
Shade Height (B)	5½″ (140mm)

The PIRU pendant and ceiling mount fixtures with straight shades are available with a shielded IES Type V distribution, and are certified by the Florida Fish & Wildlife Conservation Commission (FWC) for wildlife applications that are directly visible from the shore requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required by FWC. Mounting heights of up to 12 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:
Heavy Duty Die Cast Aluminum Housing with Integral Heat Sinking, ¾″ NPS Threaded Mounts. Includes Shade Required to Maintain FWC Certification.

Listing & Ratings:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment

Finish:
Smooth Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:
Flat Clear Tempered Glass Lens

Mounting Options:
Pendant Mount or Surface Mount on Ceiling.

590nm LED:
Aluminum Boards

Wattage:
Array: 22w, System: 27w; (175w HID Equivalent)

Driver:
Electronic Driver, 120-277V, 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.

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

See Page 2 for Projected Lumen Maintenance Table.

WILDLIFE LIGHTING
PROTECTING WILDLIFE THROUGH RESPONSIBLE LIGHTING PRACTICES

Certification #2018-001

Order Information Example: AF33XVP53QF1X23UAMPSFSS

	F	1X23	U	AM			SS
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Color**	**Options**	**Shield**
AF33XVB53Q=AmberLED LEDicated Box Mount Vaporproof **AF33XVP53Q**=AmberLED LEDicated Pendant Mount Vaporproof	**F**=Type V	**1X23**=23w	**U**=120-277V	**AM**=Amber	**P**=Platinum **C**=Custom (Consult Factory)	**SF**=Single Fuse (120-277V Only) **DF**=Double Fuse (120-277V Only)	**SS**=Straight Shade

Project Information:

Project Name:

Fixture Type:

Complete Catalog #:

Date:

Comments:

Certification & Listings:

IP66

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FWC Certified Turtle-Friendly Luminaire

Accessories & Replacement Parts:


AF33XVS30SP


AF33XVWGS*


AF33XCPRB


AF33XCPRB1


AF33XCPRC1


AF33XCPRB3


AF33XCPSPR


AF33XCPSPS

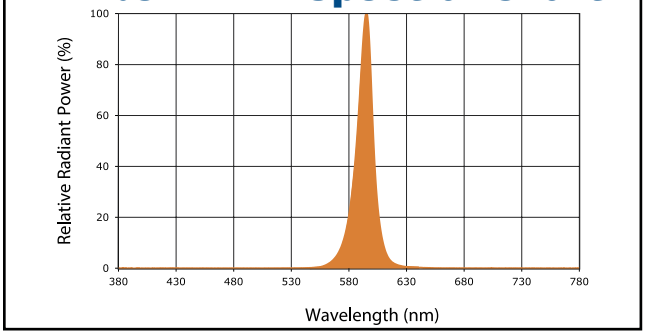
*Shown Mounted

Accessories (Order Separately, Field Installed)
AF33XVS30SP Straight Aluminum Shade, Platinum Powdercoat Finish. 5½˝ H by 16˝ Dia. Not for use with VW53
AF33XVWGS Wire Guard for Straight Shade, Stainless I
AF33XCPRB Reducer Bushing, ¾˝ to ½˝, use with Swivel Mount
AF33XCPRB1 Die Cast Round Electrical Box with Five (5) ½˝ Coin Plugs
AF33XCPRB3 Die Cast Round Electrical Box with Five (5) ¾˝ Coin Plugs

Mounting Accessories (Order Separately, Field Installed)
AF33XCPSPR Swivel Pendant Mount - Round, for Angled or Straight Ceilings, Fits ¾˝ Conduit, Includes Reducer Bushing (to ½˝) & Set Screw Powdercoat Finish
AF33XCPSPS Swivel Pendant Mount - Square, or Angled or Straight Ceilings, Fits ¾˝ Conduit; Includes Reducer Bushing (to ½˝) & Set Screw Powdercoat Finish

Photometric Data

Amber LED - Spectral Chart



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics
590nm LED 23w	116	27	Type V

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 L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	27	1.00	0.96	0.92	0.84	187,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	27	1.00	0.93	0.86	0.72	107,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	27	1.00	0.94	0.88	0.76	82,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA 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.