

# WILDLIFE-FRIENDLY LED LUMINAIRE

## Model 80-FC-AW-HW-MG Model 80-PS-AW-HB-MG

Rustproof  
Vandal Resistant  
Non-Conductive



A single luminaire can be "locked" in amber mode to provide energy efficient turtle safe lighting during turtle nesting season then switched to white LED lighting during off season without any external switches or physical change to the luminaire. When the power is off, the last selected operating mode is remembered by the luminaire in a non-volatile, tamperproof memory. This permits property owners to control the LED color allowing them to always be in compliance with wildlife protection regulations without concern that the public will inadvertently change the operating mode. This patented luminaire is also available with painted sides (opaque on four sides) as well as with only amber LEDs. Ideal for illuminating ecologically sensitive areas along coastlines, wetlands, wilderness areas, national parks, and migratory corridors.

Economical and rustproof, the luminaire is nonconductive which further assures safe use around pools and other water areas adjacent to turtle nesting environments. Constructed of impact resistant polycarbonate, the frosted clear lens and white or bronze housing carry a lifetime warranty against breakage. The LEDs are fastened to a rustproof, tempered, marine-grade aluminum base plate.

To further provide the lowest possible cost of ownership, this luminaire incorporates leading-edge LED technologies and employs high quality drivers which carry a 5-year driver manufacturer's factory warranty.

**LEDs contain no mercury and emit no ultraviolet light.**

**LEDs will not break, unlike conventional lamps, if the luminaire is dropped.**



80-FC-AW-HW-MG



80-PS-AW-HB-MG

## Specifications

**Lens:** Injection molded frosted clear lens of UV-stabilized **polycarbonate**. Average thickness is .125" The PS version is painted on four sides with high-temperature, weather-resistant polyurethane paint. Lens interior provides diffused light; smooth exterior surface allows ease of cleaning; rounded corners increase impact strength and user safety.

**Base Plate:** **Rustproof** .080" 5052 H-32 tempered marine-grade aluminum.

**Housing:** Injection molded of UV-stabilized reinforced white or bronze **polycarbonate**. Rear knockout for supply wire. Available with up to four threaded connections and plugs suitable for .50" conduit (specify conduit connections). Labels indicate "W" (White LEDs) and "A" (Amber LEDs).

**LEDs:** **High Quality Lighting Grade LEDs**  
Amber LEDs 585 - 595 nm  
Amber Lumens: 900 Amber Watts: 17  
White LEDs: 5,000-7,000 Color Temperature  
White Lumens: 1200 White Watts: 9.6  
L70 lifetime up to 50,000 hours for white LEDs

**Driver:** **High Quality Driver**  
Class 2 Power Supply.  
AC Input 120V, 50/60Hz.



Complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.

**Warranted for five (5) years by Driver manufacturer.**

**Gasket:** Lens gasket and mounting gasket are closed-cell neoprene rubber.

**Hardware:** Four stainless steel 8-32x3/8 phillips truss head screws or tamperproof screws (must specify) attach lens to base plate. Four zinc-plated steel 1/4-15x3/4 phillips pan head screws attach base plate to housing.

ETL-US and ETL-C listed for Wet Applications (UL1598)

All polycarbonate components meet Underwriters Laboratories 746C tests for polymeric material and carry a flammability rating of 94HB or better on lenses and the superior 94-5V rating on housings.

Luminaire Type \_\_\_\_\_  
Catalog Number \_\_\_\_\_  
Product Code \_\_\_\_\_  
Job Name \_\_\_\_\_  
Approval \_\_\_\_\_



**TAA COMPLIANT**  
TRADE AGREEMENT ACT COMPLIANT

**WF Harris Lighting, Inc.**

**Innovative Lighting Designs Since 1970**  
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*"A Live Operator Company Standing Ready to Serve Your Lighting Needs"*

# WILDLIFE-FRIENDLY LED LUMINAIRE

## Ordering Information

Fill In Blocks For Complete Catalog Number

80				
<b>Model</b>	<b>Lens</b>	<b>LEDs</b>	<b>Switch</b>	<b>Options</b>
	<b>PS-</b> Frosted clear lens with bronze painted sides <b>FC-</b> Frosted clear lens	<b>AW-</b> Amber and White LEDs <b>A-</b> Amber LEDs	<b>MG-</b> Magnet controlled switch	<b>CRS -</b> Conduit Connection Right Side <sup>1,2</sup> <b>CLS -</b> Conduit Connection Left Side <sup>1,2</sup> <b>CT -</b> Conduit Connection Top <sup>1,2</sup> <b>CB -</b> Conduit Connection Bottom <sup>1,2</sup> <b>C4 -</b> Conduit Connections All 4 Sides <sup>1,2</sup> <b>TPS -</b> Tamperproof Screws (4) <sup>3</sup>

## Accessories

(Order Separately)

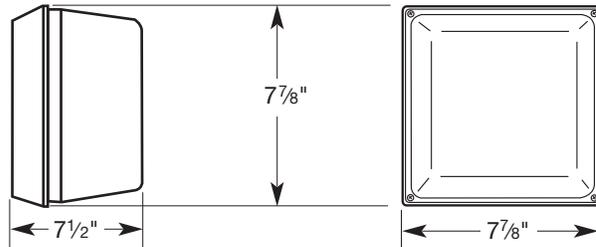
**TPT-**Tamperproof Screwdriver 

<sup>1</sup> Positions based on facing luminaire.

<sup>2</sup> Additional charges may apply. Consult factory.

<sup>3</sup> No additional charge when specified with initial order.

## Dimensions



## LEDs and the W. F. Harris Lighting Advantage

The lighting grade LEDs used by W. F. Harris Lighting provide the long sought-after stability demanded for commercial illumination in brightness, efficacy, life time, and color temperatures. Can be used in commercial/industrial illumination applications, hospitals, schools, universities, government buildings, military installations and freezer applications.

W. F. Harris Lighting LED-based luminaires reduce ownership costs through four factors —

- (1) Maintenance avoidance – LEDs last much longer than traditional lamps plus the luminaire is non-rusting and vandal resistant.
- (2) Reduced energy cost of the LEDs.
- (3) Reduced cost in operation of freezer compressors due to lower wattage and less heat.
- (4) LEDs do not break if dropped, unlike conventional lamps.

These lighting grade LEDs offer efficient illumination that - depending on the application - can last up to 100,000 hours before their light output falls below 70% of original illumination and even longer in refrigerated environments.

## Application-specific units available to meet a customer's unique lighting requirements.

After the customer provides W. F. Harris Lighting with specific requirements for a lighting application, our in-house LED Application Engineering Department will adjust the luminaire to satisfy those requirements. Once completed, a Product Code will be assigned and used to order application-specific units.



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**LENS AND HOUSING CARRY A LIFETIME GUARANTEE AGAINST BREAKAGE.**

Specifications Subject to Change Without Notice.

Printed in USA

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*"W. F. Harris Lighting Will Not Sacrifice Quality for the Sake of Price."*