

Fixture Type: \_\_\_\_\_

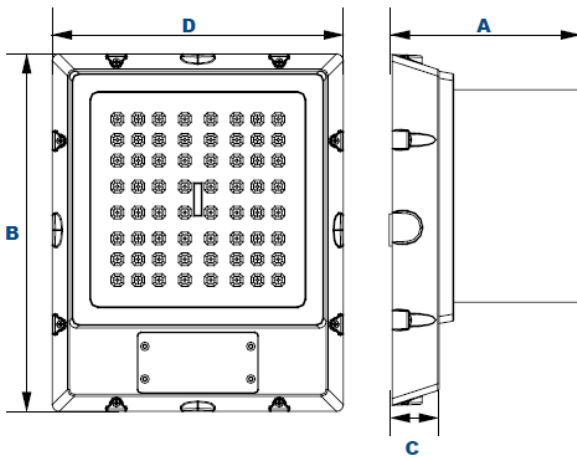
Model Number: \_\_\_\_\_

Project Name: \_\_\_\_\_



# LEATHERBACK

## Amber LED Garage Light Ceiling Mount



### Dimensions

Width (D)	11¼" (285mm)
Length (B)	13¾" (350mm)
Height 1 (A)	7½" (193mm)
Height 2 (C)	1⅞" (47mm)

**General:** The Leatherback amber LED garage lighter ceiling mount, with its shielded IES Type V distribution, is certified by the Florida Fish & Wildlife Conservation Commission (FWC) for wildlife applications directly visible from shore requiring monochromatic amber light. The LEDs operate between 585nm-595 nm, greater than the 560nm required by FWC. Applications include retail, hospitality, multi-family parking areas, parks, schools, office buildings and medical facilities. Mounting heights of up to 12 feet can be used based on light level and uniformity requirements.

**Housing:** Low profile die cast aluminum housing, 1/2" coin plugs with o-rings for conduit or external sensor. Built-in sensor housing with color matched polycarbonate cover. Includes full baffle required to maintain FWC certifications.

**Finish:** Textured architectural bronze or white powder coat finish over a chromate conversion coating. For custom colors, please consult factory.

**Lens:** Molded, UV-resistant, acrylic optical lens designed for garage lighting installations.

**Mounting:** Includes Easy-Hang bracket; mount directly over a 4" recessed electrical box. Allows for single person installation. Optional quick-mount/pendant bracket.

**Wattage:** Array: 39.0 watts System: 43.4 watts  
Array: 52.0 watts System: 57.2 watts

**Driver:** Electronic Driver, 120-277V, 50/60Hz; Dimmable

**Certifications:** CSA: Listed for Wet Locations  
ANSI/UL 1598, 8750  
IP65 Sealed LED Compartment  
Operating temperature: -40°C to +50C  
Florida Fish & Wildlife # 2018-001



certification # 2018-001



IP 65



content of specification sheet is subject to change.

N60 W14592 Kaul Avenue  
Menomonee Falls, WI 53051

P 877 965 0005  
intrigueled.com

Fixture Type: \_\_\_\_\_

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## PHOTOMETRIC PERFORMANCE

### Photometric Performance

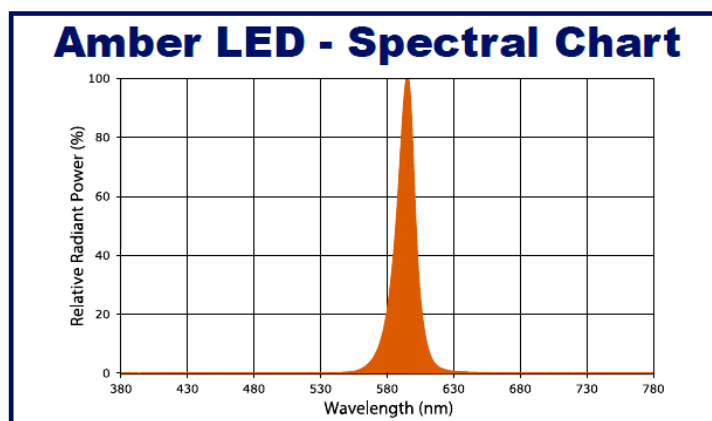
LED Board Watts	Drive Current (mA)	Input Watts	Optics	AmberLEDs	
				Lumens	LPW
AmberLED 39w	117	43	Type V	1,877	43
AmberLED 52w	117	57	Type V	2,292	40

### Projected Lumen Maintenance

Data shown for AmberLED			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	57	1.00	0.97	0.93	0.86	219,000	
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	57	1.00	0.96	0.91	0.82	114,000	
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	57	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 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.



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SERIES MOUNTING WATTAGE LED COLOR LENS OPTIONS VOLTAGE FINISH

**LB** - **CM** - **AML** - **OA** - **UNV**

## MODEL NUMBER DETAIL

<b>SERIES</b>	<input type="checkbox"/> <b>LB</b>	Leatherback Amber LED Garage Light Ceiling Mount with Full Baffle
<b>MOUNTING</b>	<input type="checkbox"/> <b>CM</b>	Ceiling Mount
<b>WATTAGE</b>	<input type="checkbox"/> <b>39LED</b>	39-watt Amber LED Module
	<input type="checkbox"/> <b>52LED</b>	52-watt Amber LED Module
<b>COLOR (K)</b>	<input type="checkbox"/> <b>AML</b>	Amber (585nm-595nm)
<b>LENS</b>	<input type="checkbox"/> <b>OA</b>	Opal Acrylic Lens
<b>OPTIONS</b>	<input type="checkbox"/> <b>EM</b>	Emergency Battery Backup (90 minutes)
	<input type="checkbox"/> <b>DF</b>	Double Fuse
	<input type="checkbox"/> <b>MS</b>	Motion Sensor (internal microwave sensor with dimming; mounting of 15' or lower)
	<input type="checkbox"/> <b>SF</b>	Single Fuse
	<input type="checkbox"/> <b>SP</b>	Surge Protection
	<input type="checkbox"/> <b>P1</b>	Photocell (120v)
	<input type="checkbox"/> <b>P2</b>	Photocell (277v)
	<input type="checkbox"/> <b>QM</b>	Quick Mount / Pendant Mount
<b>VOLTAGE</b>	<input type="checkbox"/> <b>UNV</b>	Universal Voltage (120v-277v) (50/60Hz); electronic dimmable driver
<b>FINISH</b>	<input type="checkbox"/> <b>BRZ</b>	Bronze
	<input type="checkbox"/> <b>WHT</b>	White
	<input type="checkbox"/> <b>CC</b>	Custom Color - Consult Factory



**IP 65**



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Jun-18



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MyFWC.com

October 8<sup>th</sup> 2018

Intrigue Lighting, LLC  
Todd Manderfield  
N60 W14592 Kaul Ave.,  
Menomonee Falls, WI 53051  
RE: Wildlife Lighting Certification

Thank you for the opportunity to review your products through the Wildlife Lighting Certification Program. We received and tested the following fixtures with shielding and Amber LEDs:

- TF-5-B-11LED-AML
- FR-7-B-15LED-AML
- FR-7-B-15LED-AML
- RDM-xx-22LED-AML
- RDM-xx-37LED-AML
- RD-xx-81LED-AML
- AB-WM-40LED-AML
- LB-CM-39LED-AML
- LB-CM-52LED-AML
- VT-PM-23LED-AML
- VT-WM-23LED-AML
- LH-WM-20LED-AML
- HB-WM-22LED-AML
- HB-WM-37LED-AML

We are pleased to report that your products met or exceeded all three criteria for Wildlife Lighting. The fixtures are downward directed high intensity luminaires that produce a spectral output above 560 nm. These luminaires are recommended for use in areas where artificial lighting is needed adjacent to ecologically sensitive areas, sea turtle nesting beaches, migratory corridors, and Dark Sky Friendly communities.

Per the FWC sea turtle lighting guidelines, we will state that wall mounted fixtures shall be installed at a maximum mounting height of 8 feet from the floor and are not recommended for use above the first habitable floor when located on the shore perpendicular or beachside of a structure. Ceiling mounted fixtures if located on the shore perpendicular or beach side of the structure shall be on the ground floor only and equipped with beachside shielding. Bollard fixtures shall have a maximum mounting height of 42 inches, 270 degree beachside shields, and installed facing away from the beach. Pole mounted fixtures near a nesting beach are to be located only on the landward side of a structure with maximum mounting height of 12 feet and additional shielding would be required if the fixture is within line of sight of the beach. For roadway lighting near a nesting beach, fixtures must be mounted at the lowest mounting height practicable to meet FDOT standards, equipped with approved shielding and FWC must be contacted for proper siting and shielding prior to installation.

The above referenced products (Certification #2018-001) with Amber LEDs and shielding are Wildlife Lighting approved when installed correctly and used to meet minimal lighting standards. This certification authorizes the use of the Official Wildlife

Lighting logo device only with the specified fixture and lamp. In order to keep pace with current research and to constantly improve our wildlife lighting website, we have added an expiration date for wildlife lighting certified products. This is to ensure that if FWC changes the wildlife lighting certification requirements because of new information, then certified products will need to meet or exceed these changes once the certification expires. Wildlife lighting certified products will be valid for 2 years from the date of issuance.

The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.

If I can be of further assistance in any way, please contact me at (850) 922-4330 or email me directly at [Lauren.Jonaitis@MyFWC.com](mailto:Lauren.Jonaitis@MyFWC.com). I look forward to working together.

Sincerely,



Lauren Jonaitis, Fisheries and Wildlife Biological Scientist III  
Imperiled Species Management Section



cc: Ann Marie Lauritsen, USFWS

Lucas Davis, FWC