

OWL | MICRO SERIES



Specialty Lights | Micro Series | (L x W x H): 1.25" x 1.00" x 0.56"
2W (88lm) | 10.5-16 VAC | Integrated LED

FEATURES

- The Owl's oblong optic creates a long, linear beam that provides broad, even coverage for narrow surfaces while reducing the number of fixtures needed compared to traditional accent lights.
- U.S.-made light engine and driver.
- CNC-machined, corrosion-resistant 6061 aluminum or C360 Brass.
- IP67-rated, fully potted housing for sealed water ingress protection; submersible build available upon request.
- Dimmable configurations available; see Specifications and ordering guide for details. Standard fixtures are non-dimmable.
- Built-in surge protector safeguards internal electronics from voltage fluctuations and power surges.
- High-performance 3-step bin LED with an L70 rating of over 100,000 hours.
- [20-year manufacturer limited warranty.](#)
- ETL listed to the UL 1838 standard, with IES files available (See page 4).
- 3000K fixtures available in all finishes, wattages, and optics, in stock and ready to ship. Other color temperatures are non-stock and require a lead time of 5-7 business days.



AVAILABLE FINISHES:



BLK
Black



BR
Brass

POWER CONSUMPTION

Candela Power & IES charts can be found on page 4

COLOR TEMPERATURE	WATTAGE	VA	LUMENS	ADDITIONAL COLOR TEMP OPTIONS	
● 3000K*	1W	2VA	88LM	● 2700K ● Amber ● Royal Blue ● Red ● Lavender	● 5000K ● Blue ● Green ● Fuchsia

* Indicates stocked items. Non-stocked items require 5-7 business days additional lead time, special order deposit and are non-refundable. Fuchsia and Lavender require additional lead time above the standard 5-7 business days.

APPLICATION NOTES

Luminaire must not be subjected to direct sunlight.

SPECIFICATIONS

Materials

CNC-machined from billet 6061-T6 aluminum or C360 brass with 316 stainless steel hardware.

Finish

BLK: Marine-grade black anodize for lasting performance. UV/corrosion protection.
BR: Raw, brushed brass; will tarnish/patina naturally.

Shroud Options

Full and front glare shields available (See page 2-3 for details).

Wattage

2W delivering up to 88lm.

Voltage

10.5-16VAC. Requires low voltage transformer or step down transformer.

Light Engine

US Built Led module with Cree Diode and Metal core PCB for better heat dissipation.
CRI 80 (CRI 90 upon request) CCT 2700K & 3000K. McAdam 3 step LED binning to ensure color consistency.

Optics

Broad oblong optic creates a smooth linear wash with wide side-to-side coverage.

Lead Wire

90" 22 AWG tinned copper.

Dimming Options

Standard fixtures are non dimmable. Dimmable Option valuable with constant current LED power supply connected in series with the fixtures.
Dimming Method: Phase Dimming (TRIAC/ELV) or 0-10V dimming.

Mounting

Integrated (machined) dual mounts, Ø0.170 in [4.31 mm] holes; use #8/M4 fasteners (not included).

Listings

ETL listed to UL1838, IP67 Standard.



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ORDERING GUIDE

EXAMPLE: OWL-BLK-2700K

MODEL

OWL OWL Specialty Light Fully Integrated	WATTAGE 1W (Default/Blank) DIM (Dimmable)	FINISH BLK (Black) BR (Brass)	COLOR TEMPERATURE 3000K (Default/Blank) 2700K 5000K AMB (Amber) BLU (Blue) RBL (Royal Blue) GRN (Green) RED (Red) FSA (Fuchsia) LVR (Lavender)
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OPTIONAL ACCESSORIES

SHIELD MM FRONT SHIELD BLK (Micro Series Front Shield Black) MM FULL SHIELD BLK (Micro Series Full Shield Black)

TRANSFORMERS

BUILD THE SKU LEFT → RIGHT

Pattern: [WATTAGE (VA)]-[MODEL]-[CONNECTION TYPE]

Items tagged "(Default/Blank)" are not included in the SKU.

EXAMPLE: 602-WLED SS-DW

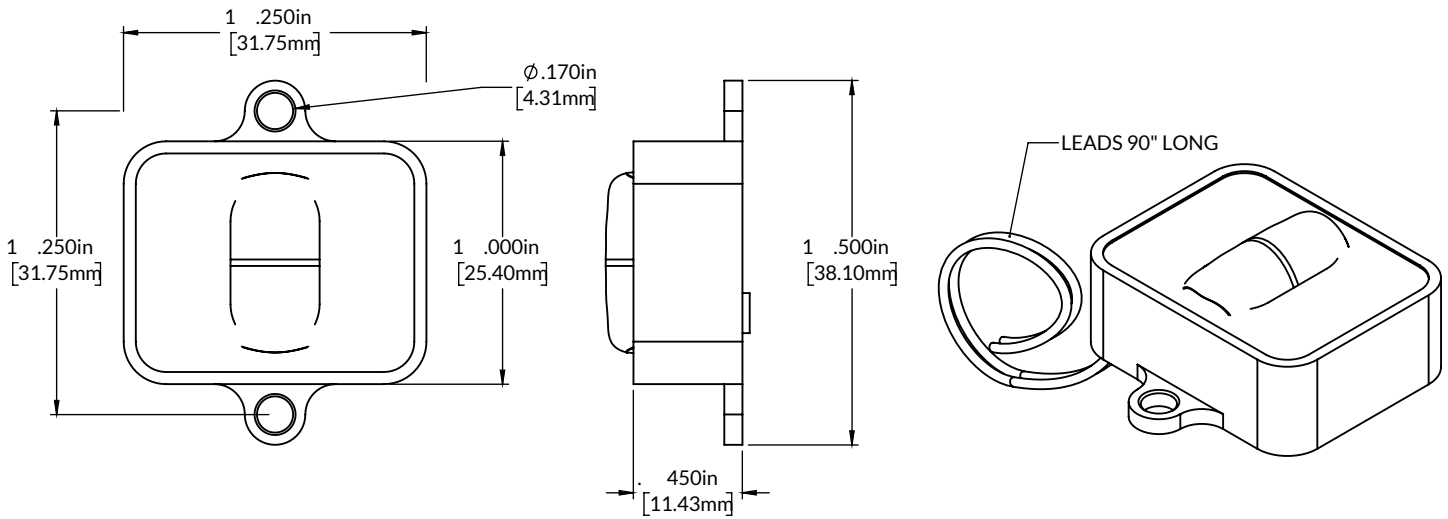
WATTAGE (VA) 62 102 152 302 602 902 1202 60WNL 60	MODEL WLED SS (Low Voltage Magnetic Transformer 15V Tap W/ LED & Surge Protection) INLINE (60W No-Load Inline Electronic Transformer 120VAC Input, 12VAC Output) MD (Mammoth Dynamics phase-dimmable constant current driver (DC))	CONNECTION TYPE Pluggable 120VAC Plug-In (Default/Blank) DW (Direct Wire 120VAC) Direct Wire 120VAC (Default/Blank) Direct Wire 120VAC (Default/Blank)
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FIXTURE DRAWINGS



OPTIONS & ACCESSORIES

Shield
Options:



[MICRO SERIES FRONT SHIELD](#)
BLACK



[MICRO SERIES FULL SHIELD](#)
BLACK



PHOTOMETRICS

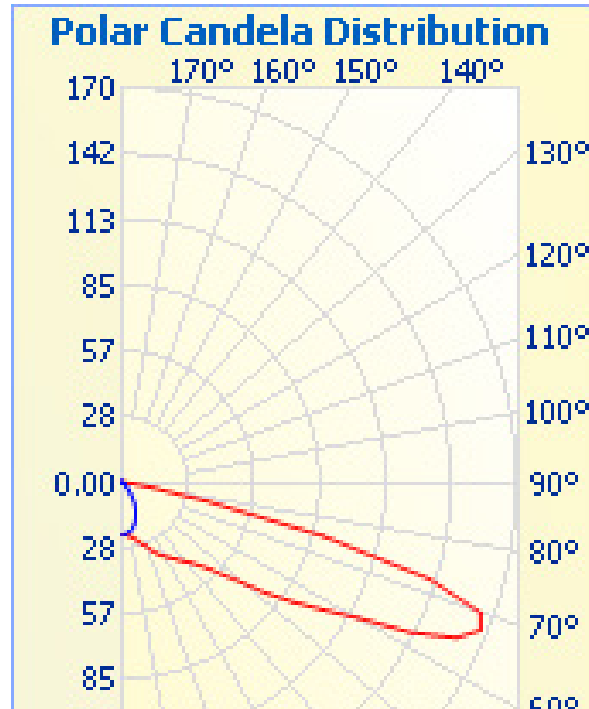
OWL

Input Power	2 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	OWL
Max Candela Power	166cd
Delivered Lumens	88
Efficacy	44 lm/W

CCT Multiplier

Color Temperature	Multiplier
2700 K	.97
3000 K	1.00
4000 K	1.05

Polar Graph - Intensity



Cone of Light - Illuminance

	Illuminance at a Distance	
	Center Beam fc	Beam Width
8.3ft	0.33 fc	8.8 ft 3.2 ft
16.7ft	0.08 fc	17.7 ft 6.4 ft
25.0ft	0.04 fc	26.5 ft 9.6 ft
33.3ft	0.02 fc	35.3 ft 12.8 ft
41.7ft	0.01 fc	44.3 ft 16.0 ft
50.0ft	0.009 fc	53.1 ft 19.2 ft

■ Vert. Spread: 55.9°
■ Horiz. Spread: 21.8°

Resources

OWL Specialty Light – IES Version (ZIP)
OWL Specialty Light – PDF Version (ZIP)
Submit IES File Request Standard IES files typically represent the highest wattage, 3000K CCT, and available optics. For other configurations, submit one fixture variation per request.
OWL Specialty Light – Install Guide
Product Page / IES Files / Online Ordering: gardenlightled.com/product/owl-micro-ii-series/
Warranty Information: gardenlightled.com/warranty/