

MM RAIL | MICRO MAX RAIL



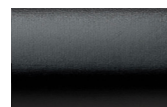
Specialty Lights | Micro Series | (L x W x H): 1.25" x 1.00" x 0.56"
2W (84lm) | 10.5-16 VAC | Integrated LED

FEATURES

- U.S.-made light engine and driver.
- CNC-machined, corrosion-resistant 6061 aluminum.
- 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

POWER CONSUMPTION

Candela Power & IES charts can be found on page 4

COLOR TEMPERATURE	WATTAGE	VA	LUMENS	ADDITIONAL COLOR TEMP OPTIONS	
● 3000K*	2W	2VA	84LM	● 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 with 316 stainless steel hardware.

Finish

BLK: Marine-grade black anodize for lasting performance. UV/corrosion protection.

Wattage

2W delivering up to 84lm.

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

120° wide-angle beam; uniform, no lateral bias.

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, Ø0.150 in [3.81 mm] holes; use #6/M4 fasteners (not included).

Listings

ETL listed to UL1838, IP67 Standard.



MM RAIL | Micro Series Specialty Light

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ORDERING GUIDE

EXAMPLE: MM RAIL-BLK-2700K

MODEL

MM RAIL Micro Max Rail Specialty Light Fully Integrated	WATTAGE 2W (Default/Blank) DIM (Dimmable)	FINISH BLK (Black)	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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TRANSFORMERS

BUILD THE SKU LEFT → RIGHT

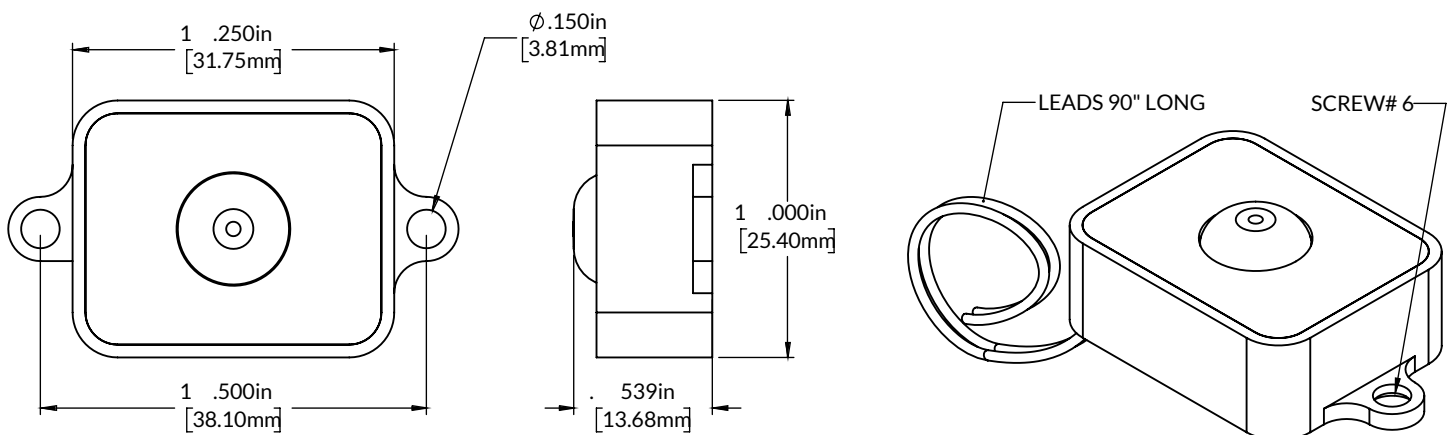
Pattern: [WATTAGE (VA)]-[MODEL]-[CONNECTION TYPE]

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





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PHOTOMETRICS

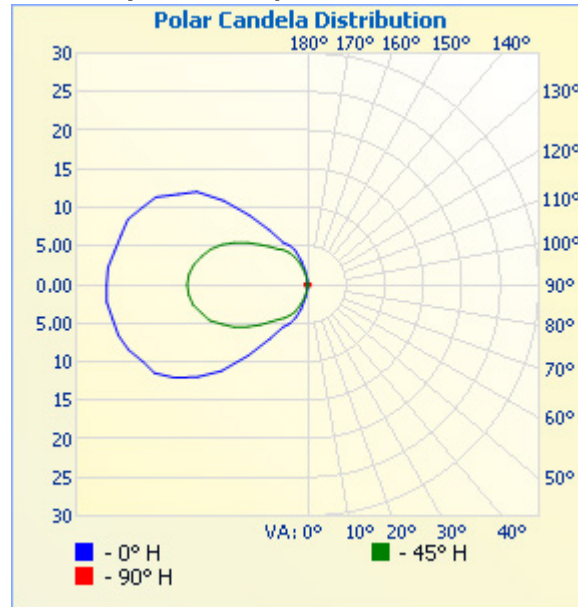
MM RAIL 120°

Input Power	2 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	120°
Max Candela Power	31cd
Delivered Lumens	84
Efficacy	42 lm/W

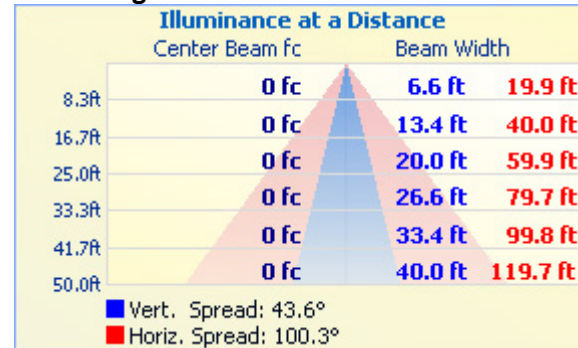
CCT Multiplier

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

Polar Graph - Intensity



Cone of Light - Illuminance



Resources

[MM RAIL Specialty Light – IES Version \(ZIP\)](#)

[MM RAIL 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.

[MM RAIL Specialty Light – Install Guide](#)

Product Page / IES Files / Online Ordering:

<https://gardenlightled.com/product/micro-max-rail/>

Warranty Information:

gardenlightled.com/warranty/