



DATE:	PROJECT:
TYPE:	CATALOG:

MWL | MINI WELL LIGHT

IN-GRADE & WELL LIGHTS | In-Grade Series | 2.00"Ø

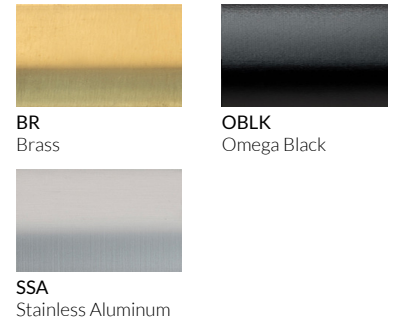
2 W (161lm) | 10.5-16 VAC | Integrated LED



FEATURES

- U.S.-made light engine and driver.
- CNC-machined, corrosion-resistant 6061 aluminum or C360 Brass; IP67 rated.
- Dimmable configurations available; see Specifications and ordering guide for details. Standard fixtures are non-dimmable.
- Serviceable and upgradeable light engine for future technology enhancements.
- Optional factory-installed hex louver available to reduce glare and direct source visibility in direct-view applications.
- 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:



POWER CONSUMPTION

Candela Power & IES charts can be found on page 4

COLOR TEMPERATURE	WATTAGE	VA	LUMENS	ADDITIONAL COLOR TEMP OPTIONS	
● 3000K*	2W	5VA	161LM	● 2700K	● 5000K
				● Amber	● Blue
				● Royal Blue	● Green
				● Red	

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

SPECIFICATIONS

Materials

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

Finish

BR: Raw, brushed brass; will tarnish/patina naturally.

Omega Black: Military-grade treatment engineered for harsh/coastal sites with exceptional scratch/corrosion resistance.

SSA: Marine-grade anodization for lasting corrosion resistance and durability.

Louver Option

Optional factory-installed hex louver reduces glare and direct source visibility in direct-view applications. Use of louver will result in a reduction of delivered light output.

Wattage

2W delivering 161 lm.

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

Interchangeable optics available in 12°, 25°, 40°, and 60° beam angles.

Lead Wire

36" 18 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

In-grade mounting for hardscape and ground-level installations. Direct-in-grade installations require a minimum 1-3/8 in. core drill with 5 in. minimum depth. For pre-fab or pre-pour installations, a 1-1/2 in. Schedule 40 PVC sleeve is recommended for fixture placement prior to concrete or hardscape pour.

Certifications & Ratings

ETL listed to UL1838, IP67 Standard.



MWL | In-Grade Series

IN-GRADE & WELL LIGHTS

ORDERING GUIDE

EXAMPLE: MWL 204 BR 2700K HCL

MODEL

MWL MWL In-Grade & Well Light Fully Integrated	WATTAGE DIM (Dimmable) 20 (2W)	OPTICS 1 (12°) 2 (25°) 4 (40°) 6 (60°)	FINISH BR (Brass) OBLK (Omega Black) SSA (Stainless Aluminum)	COLOR TEMPERATURE 3000K (Default/Blank) 2700K 5000K AMB (Amber) BLU (Blue) RBL (Royal Blue) GRN (Green) RED (Red)
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OPTIONAL ACCESSORIES

Accessory images & dimensions can be found on page 3

LOUVER HCL (Hex Cell Louver)
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TRANSFORMERS

BUILD THE SKU LEFT → RIGHT

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

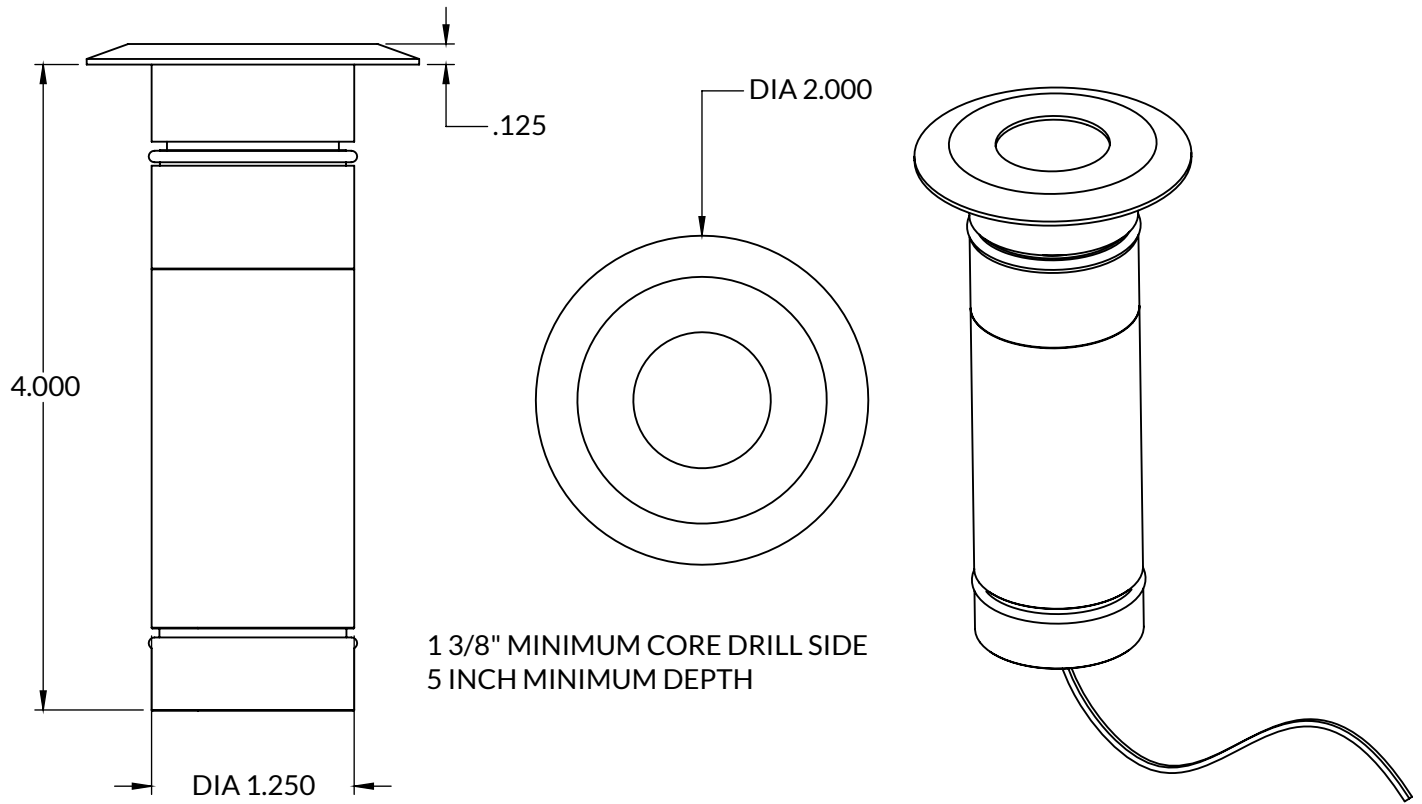
Items tagged "(Default/Blank)" are not included in the SKU.

EXAMPLE: 602-WLED SS-DW

WATTAGE (VA) 62 102 152 302 602 902 1202	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)
60WNL		
60		

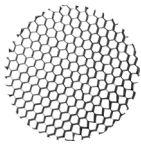


FIXTURE DRAWINGS



OPTIONS & ACCESSORIES

Louver
Options:



HONEY COMB LOUVER

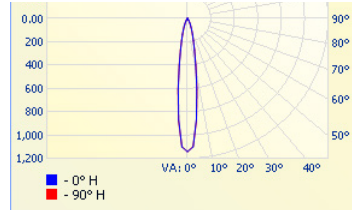


PHOTOMETRICS

MWL 12°

Input Power	2 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	12°
Max Candela Power	1123cd
Delivered Lumens	161
Efficacy	63 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

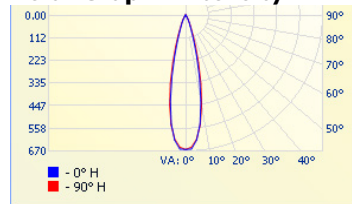
	Center Beam fc	Beam Width	
8.3R	16.6 fc	2.3 ft	2.3 ft
16.7R	4.1 fc	4.7 ft	4.7 ft
25.0R	1.83 fc	7.0 ft	7.1 ft
33.3R	1.03 fc	9.3 ft	9.4 ft
41.7R	0.66 fc	11.6 ft	11.8 ft
50.0R	0.46 fc	14.0 ft	14.2 ft

■ Vert. Spread: 15.9°
■ Horiz. Spread: 16.1°

MWL 25°

Input Power	2 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	25°
Max Candela Power	661cd
Delivered Lumens	153
Efficacy	60 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

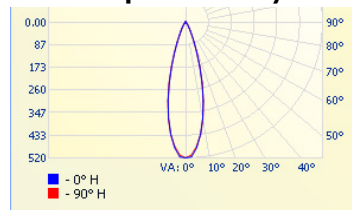
	Center Beam fc	Beam Width	
8.3R	9.61 fc	3.5 ft	3.8 ft
16.7R	2.37 fc	7.1 ft	7.6 ft
25.0R	1.06 fc	10.7 ft	11.4 ft
33.3R	0.6 fc	14.2 ft	15.2 ft
41.7R	0.38 fc	17.8 ft	19.0 ft
50.0R	0.26 fc	21.4 ft	22.8 ft

■ Vert. Spread: 24.1°
■ Horiz. Spread: 25.7°

MWL 40°

Input Power	2 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	40°
Max Candela Power	518cd
Delivered Lumens	144
Efficacy	56 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

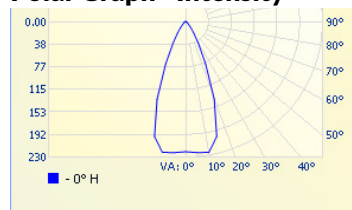
	Center Beam fc	Beam Width	
8.3R	7.54 fc	4.2 ft	4.3 ft
16.7R	1.86 fc	8.5 ft	8.6 ft
25.0R	0.83 fc	12.8 ft	12.9 ft
33.3R	0.47 fc	17.0 ft	17.1 ft
41.7R	0.3 fc	21.3 ft	21.4 ft
50.0R	0.21 fc	25.5 ft	25.7 ft

■ Vert. Spread: 28.6°
■ Horiz. Spread: 28.8°

MWL 60°

Input Power	2 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	60°
Max Candela Power	257cd
Delivered Lumens	141
Efficacy	55 lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

	Center Beam fc	Beam Width	
8.3R	3.2 fc	6.0 ft	6.8 ft
16.7R	0.79 fc	12.2 ft	13.7 ft
25.0R	0.35 fc	18.2 ft	20.5 ft
33.3R	0.2 fc	24.2 ft	27.3 ft
41.7R	0.13 fc	30.3 ft	34.1 ft
50.0R	0.09 fc	36.4 ft	40.9 ft

■ Vert. Spread: 40.0°
■ Horiz. Spread: 44.5°

CCT Multiplier

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

Resources

[Mini Well Light In-Grade Light – IES Version \(ZIP\)](#)

[Mini Well Light In-Grade 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.

[Mini Well Light In-Grade Light – Install Guide](#)

Product Page / IES Files / Online Ordering:

gardenlightled.com/product/mini-well-light-hp-new-enhancement/

Warranty Information:

gardenlightled.com/warranty/