

RGBW SPOT LIGHT

DIRECTIONAL & ACCENT | Casa Color Series | 2.250"Ø
15W (78-635lm) | 10.5-16 VAC | Integrated LED



PRODUCT DESCRIPTION

The Casa Color Spotlight combines architectural-grade construction, full-spectrum color performance, and Casambi app-based control in a fully integrated low-voltage spotlight. Powered by a standard low-voltage transformer over a 2-wire system, each fixture delivers powerful, directional illumination while eliminating traditional control wiring. Through the Casambi app, Casa Color provides dimming, full-spectrum color control, dedicated 3000K white output, scenes, groups, schedules, animations, and automation. Each spotlight is individually addressable, allowing fixtures to be controlled independently with different colors, brightness levels, or lighting effects. Fixtures communicate through a Bluetooth mesh network with up to 200 ft of tested fixture-to-fixture range, supported by external antennas for enhanced wireless performance. A field-replaceable control module supports long-term serviceability for professional architectural, landscape, accent, and AV-integrated lighting systems.

FEATURES

- Casa Color fixture controlled through the Casambi app for full-spectrum color control, dimming, scenes, groups, schedules, timers, animations, and automation.
- Each spotlight is individually addressable, allowing independent control of color, dimming, and lighting effects.
- Dedicated 3000K white LED channel provides clean architectural white output without relying on RGB color mixing.
- Bluetooth mesh communication delivers up to 200 ft of tested fixture-to-fixture range, supported by external antennas for enhanced wireless performance.
- Powered by a standard Low Voltage transformer over a 2-wire system; no traditional control wiring required.
- Field-replaceable control module, RGBW LED module supports long-term serviceability and future system flexibility.
- Compatible with Casambi scenes, timers, animations, control hierarchy, and optional gateway-based remote access, depending on system design.
- Passive thermal management transfers heat through the fixture body to extend LED life and maintain lumen stability.
- CNC-machined 6061 aircraft-grade aluminum construction, IP66 rated, provides structural strength and corrosion resistance for harsh outdoor and coastal environments.
- Built-in surge protection safeguards internal electronics from voltage fluctuations.
- High-performance 3-step binned LEDs with L70 >50,000 hours for consistent color output.
- Manufactured in the USA with U.S.-made light engine and driver components.
- ETL listed to the UL 1838 standard, with IES files available. See page 5.



AVAILABLE FINISHES:



OBLK
Omega Black

CERTIFICATIONS



WARRANTY

Backed by a 5-year limited warranty on electronic components.

CASAMBI APP CONTROL

Download the Casambi app for commissioning, control, scenes, schedules, animations, and color adjustment of Casa Color fixtures.



CASAMBI SETUP & SUPPORT
Scan or click for installer resources





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SPECIFICATIONS

Materials CNC-machined from billet 6061-T6 aluminum with 316 stainless steel hardware.	Voltage 10.5-16VAC. Requires low voltage transformer or step down transformer.	Lead Wire 31" 20 AWG tinned copper
Finish Omega Black: Military-grade treatment engineered for harsh/coastal sites with exceptional scratch/corrosion resistance.	Light Engine High-performance RGBW COB LED designed for vibrant, saturated color output and smooth color mixing. Featuring integrated red, green, blue, and high-CRI white chips on a single substrate, it delivers uniform illumination and excellent color consistency.	Mounting Supplied standard with LV130 ground stake. Fixture mounts via 1/2"-14 NPS threaded fittings and is compatible with all Garden Light LED mounting accessories. <i>(See page 3 and 4 for mounting options).</i>
Wattage 15W (20VA) delivering up to 635 lm at 3000K.	Optics 40° or 15° premium color-mixing optic provides smooth beam distribution and improved color uniformity.	Certifications & Ratings ETL listed to UL1838, IP66 Standard.

TECHNICAL SPECIFICATIONS

Connectivity Casambi Bluetooth mesh network.	Wi-Fi Requirement Wi-Fi is not required for local app control. Internet/Wi-Fi access is only required when using the Casambi Cloud Gateway for remote access or other cloud-connected system features.	System Compatibility Designed for use with Casa Color fixtures and compatible Casambi-enabled devices within the same control network.
Wireless Range Up to 200 ft tested fixture-to-fixture communication, supported by external antennas. Actual range may vary by site conditions, fixture placement, and obstructions.	Control Casambi app for iOS and Android; used for fixture commissioning, dimming, color control, scenes, groups, schedules, animations, and automation.	Power Requirement Powered by a standard Low Voltage transformer over a 2-wire system. Proper voltage at each fixture is required for reliable operation.
Network Type Self-organizing wireless mesh network with device-to-device communication between compatible Casambi-enabled fixtures and controls.	Remote Access Remote control requires a Casambi gateway or compatible gateway configuration with reliable internet and Bluetooth connection to the Casambi network.	

POWER CONSUMPTION

FIXTURE	COLOR	LUMENS	WATTAGE	VA
Casa Color RGBW Spotlight	Red	210LM	15W	20VA
	Green	410LM		
	Blue	101LM		
	White (3000K)	635LM		



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ORDERING GUIDE

EXAMPLE: CCS SPL 1 OBLK

MODEL

CCS SPL Casa Color RGBW Spotlight	OPTICS 1 (15°) 4 (40°)	FINISH OBLK (Omega Black)	COLOR TEMPERATURE 3000K (Default/Blank)
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OPTIONAL ACCESSORIES

Mounting GROUND MOUNT LV130 (LV130 Stake (Included/Blank)) LV180 (LV180 Stake) LV150 (LV150 Heavy Duty Stake 4"D X 19"H) TRIDENT SPIKE 6" (Trident Shield Stake 6 Inch) TRIDENT SPIKE 11" (Trident Shield Stake 11 Inch) SURFACE MOUNT MMB XXX (Mini Universal Mounting Base 2.375" Diameter x 1" H) TREE MOUNT TMAB (Tree Mount) TMSTR3 (Tree Mount Strap 3') TMSTR5 (Tree Mount Strap 5')	Extensions EXT6 XXX (6" Extension) EXT12 XXX (12" Extension) EXT20 XXX (20" Extension) EXT30 XXX (30" Extension)
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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

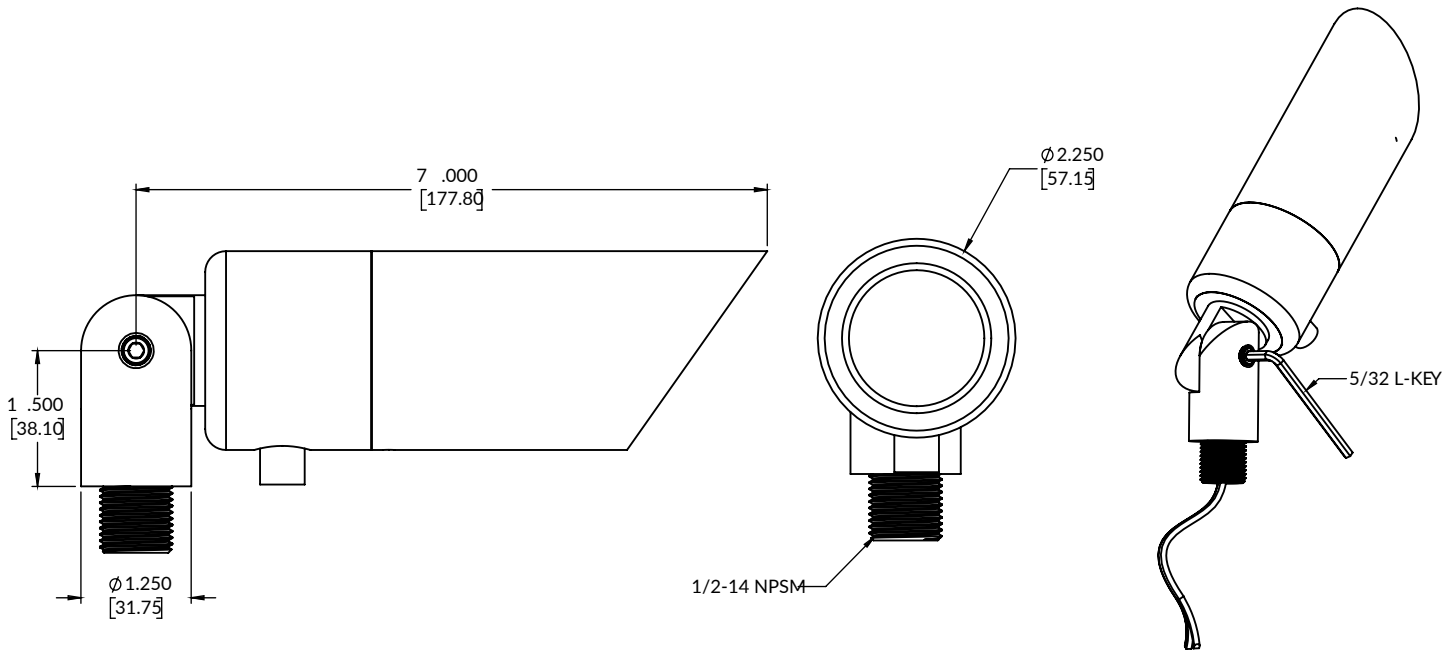
WATTAGE (VA) 62 102 152 302 602 902 1202 60WNL 60	MODEL WLED SS (Low Voltage Magnetic Transformer 15V Tap W/ LED & Surge Protection) INLINE (60W No-Load Inline Electronic Transformer 120VAC Input, 12VAC Output) MD (Mammoth Dynamics phase-dimmable constant current driver (DC))	CONNECTION TYPE Pluggable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



OPTIONS & ACCESSORIES

MOUNTING OPTIONS

Ground Mount:



Tree Mount:



Extensions:

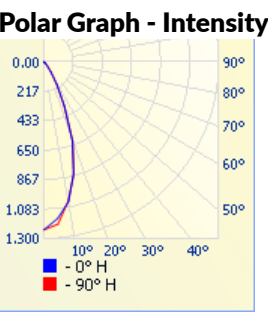


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PHOTOMETRICS

RGBW SPOTLIGHT	40°
Input Power	15 W
Color Temperature (CCT)	3000 K
Color Rendering Index (CRI)	80+
Beam Spread	40°
Max Candela Power	1239cd
Delivered Lumens	635
Efficacy	42 lm/W



Cone of Light - Illuminance		
	Center Beam fc	Beam Width
8.3ft	18 fc	6.0 ft 6.1 ft
16.7ft	4.45 fc	12.2 ft 12.2 ft
25.0ft	1.98 fc	18.2 ft 18.3 ft
33.3ft	1.12 fc	24.3 ft 24.4 ft
41.7ft	0.71 fc	30.4 ft 30.6 ft
50.0ft	0.5 fc	36.4 ft 36.7 ft

Color Multiplier	
Color Temperature	Multiplier
3000 K	1.00
Red	0.33
Green	0.68
Blue	0.17

Resources

- [Casa Color RGBW Spotlight – IES Version \(ZIP\)](#)
- [Casa Color RGBW Spotlight – 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.
- [CASAMBI SETUP & SUPPORT](#)
Click the link above for installer resources
- [Casa Color Spotlight Install – Guide](#)
- [Product Page/IES Files/Online Ordering](#)
<https://gardenlightled.com/product/casa-color-spotlight/>
- [Warranty Information:](#)
gardenlightled.com/warranty/