



RGB+CCT Garden Spot Light, 6 W, 550 lm, 30-Degree Beam, IP66, 2.4 GHz RF Control

- 6 W RGB+CCT output rated at 550 lm and 83 lm/W
- 2700-6500 K tunable white with CRI above 80
- IP66-rated aluminum housing in a black finish
- 2.4 GHz RF control at distances up to 30 m
- 4096-level dimming grayscale over a 0.1 - 100 percent range
- Operates from -20 to 45 degrees C with 50,000 h rated LED life

OVERVIEW

A 6 W RGB plus tunable-white garden spot light in an aluminum housing with a black finish, rated IP66 for exposed outdoor placement. It suits landscape beds, building facades, tree uplighting and other exterior accent locations where color-changing and white-tunable output are both required.

Output is 550 lm at 83 lm/W through a 30-degree beam, with a white range of 2700-6500 K and CRI above 80. Illumination distance exceeds 10 m. The fixture accepts AC 12 V or DC 12-24 V input and operates from -20 to 45 degrees C. A 2.4 GHz RF protocol provides remote control at up to 30 m, with 4096-level dimming grayscale across a 0.1 to 100 percent range. Rated LED life is 50,000 hours.

SPECIFICATIONS

OPTICAL

Luminous Flux	550 lm
Efficacy	83 lm/W
Color Temperature	6,500 K
CRI	80
Beam Angle	30°
LED Lifetime	50,000 h

MECHANICAL

Finish	Black
Material	Aluminum

ELECTRICAL

Operating Voltage	24 V
Wattage	6 W
Dimmer Type	2.4 GHz RF, 4096-level grayscale, 0.1-100%

ENVIRONMENTAL

IP Rating	IP66
Environmental Rating	Waterproof
Ambient Operating Temperature	-20-45 °C -4-113 °F

APPLICATIONS

Landscape planting beds

Tree and shrub uplighting

Building facade accent lighting

Commercial courtyards and walkways

Hospitality garden and pool surrounds

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	550 lm	pdf	high
efficacy_lm_per_w	83 lm/W	pdf	high
cct_k	6,500 K	pdf	high
cri	80	pdf	high
beam_angle_deg	30°	pdf	high
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	pdf	high
wattage	6 W	pdf	high
dimmer_type	2.4 GHz RF, 4096-level grayscale, 0.1 - 100%	pdf	high
finish	Black	db	high
material	Aluminum	db	high
ip_rating	IP66	both	high
environmental_rating	Waterproof	db	high
ambient_temp_c	-20-45 °C	pdf	high

Specifications subject to change without notice.

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