



Smart LED Flood Light, 100 W RGB+CCT 2700-6500 K, 12,000 lm, IP66, WiFi and RF Control

- 100 W draw with 12,000 lm output and 120 lm/W efficacy
- RGB plus tunable white from 2700 K to 6500 K at CRI 80
- IP66 die-cast aluminum body with tempered glass lens and breathing valve
- 100-277 VAC input with power factor above 0.9
- 270-degree rotating bracket and 120-degree beam distribution
- ETL Listed with 50,000-hour rated life and 7-year warranty

OVERVIEW

The FLHL Series smart flood light delivers RGB plus tunable white output from a die-cast aluminum housing with a tempered glass lens. A 270-degree rotating bracket and IP66 sealing with a breathing valve, which equalizes internal pressure and clears interior moisture, suit outdoor building, landscape and event installations.

The 100 W fixture produces up to 12,000 lm at 120 lm/W, with a color range of 2700 K to 6500 K, CRI 80 and a 120-degree beam. It accepts 100-277 VAC at a power factor above 0.9, carries a 50,000-hour rated life and operates from -40 to 40 degrees C. Control is by RF remote or the Smart Life / Tuya app on iOS and Android, with 16 million colors, 20 modes, timer scheduling and Google and Alexa voice integration.

ETL Listed. Covered by a 7-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	12,000 lm
Efficacy	120 lm/W
Color Temperature	2,700K / 6,500K
Selectable CCT	Yes
CRI	80
Beam Angle	120°
LED Lifetime	50,000 h
Light Color	RGB + CCT
Lens Type	Tempered Glass

MECHANICAL

Product Dimensions	280×250×45 mm
Finish	Black
Material	Die Casting Aluminum
Mounting	270-degree rotating bracket
Weight	4.63 lb

ELECTRICAL

Operating Voltage	100-277 V
Wattage	100 W
Current Draw	0.46 A
Power Factor	0.9

ENVIRONMENTAL

IP Rating	IP66
Environmental Rating	Waterproof
Ambient Operating Temperature	-40-40 °C -40-104 °F
Operating Humidity	95% RH or below

Warranty

7 y

DIMENSIONS & DIAGRAMS



INSTALLATION

CERTIFICATIONS & COMPLIANCE

ETL

ETL Listed

APPLICATIONS

- Building facade and wall washing
- Landscape and garden lighting
- Stage and event backdrop lighting
- Parking areas and commercial exteriors
- Seasonal and architectural accent lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	12,000 lm	both	high
efficacy_lm_per_w	120 lm/W	db	high
cct_k	2,700K / 6,500K	both	high
cct_selectable	Yes	db	high
cri	80	db	high
beam_angle_deg	120°	both	high
led_lifetime_h	50,000 h	pdf	high
color	RGB + CCT	db	high
lens_type	Tempered Glass	db	high
operating_voltage	100–277 V	pdf	high
wattage	100 W	pdf	high
current_draw	0.46 A	pdf	medium
power_factor	0.9	db	high
product_dimensions	280×250×45 mm	db	high
finish	Black	db	high
material	Die Casting Aluminum	db	high
mount_type	270-degree rotating bracket	pdf	high
weight	4.63 lb	pdf	high
ip_rating	IP66	both	high
environmental_rating	Waterproof	db	high
ambient_temp_c	-40–40 °C	db	high
operating_humidity	95% RH or below	pdf	high
warranty_years	7 y	db	high

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