



LED Flood Light, 40 W RGB+CCT 2700-6500 K, 3800 lm, IP66 Die-Cast Aluminum, WiFi and RF, ETL

- 40 W draw with output to 3800 lm and 95 lm/W efficacy
- RGB+CCT tuning across a 2700-6500 K white range
- IP66 die-cast aluminum housing with tempered glass lens
- 100-277 VAC input, 50/60 Hz, power factor above 0.5
- 270-degree rotating bracket and 120-degree beam angle
- ETL Listed with 5-year warranty and 50,000-hour rated life

OVERVIEW

The FLHL series 40 W smart flood light is an outdoor color-changing luminaire for landscape, facade, and event lighting. A die-cast aluminum body with tempered glass lens carries an IP66 rating, and a breathing valve equalizes internal pressure while clearing moisture from the housing. The 270-degree rotating bracket allows aiming after mounting on counter, residential, and commercial sites.

Output reaches 3800 lm at 6500 K and 3100 lm at 2700 K over a 120-degree beam, with efficacy up to 95 lm/W, CRI 80, and rated life of 50,000 hours. Input is 100-277 VAC at 50/60 Hz with a power factor above 0.5. RGB+CCT tuning, 16 million colors, 20 modes, and timer scheduling are addressed by WiFi through the Smart Life app or by RF remote, with Google and Alexa voice support. Operating range is -40 to 45 degrees C.

The fixture is ETL Listed and covered by a 5-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	3,800 lm
Efficacy	95 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	200×145×28.5 mm
Finish	Black
Material	Die casting aluminum
Mounting	270-degree rotating bracket
Weight	2.05 lb

ELECTRICAL

Operating Voltage	100-277 V
Wattage	40 W
Power Factor	0.5

ENVIRONMENTAL

IP Rating	IP66
Environmental Rating	Waterproof
Ambient Operating Temperature	-40-45 °C -40-113 °F
Operating Humidity	95% RH or below

ORDERING

Warranty

5 y

DIMENSIONS & DIAGRAMS



INSTALLATION

CERTIFICATIONS & COMPLIANCE



APPLICATIONS

- Building facade and wall washing
- Landscape and garden lighting
- Stage and event backdrop lighting
- Parking area and yard floodlighting
- Holiday and seasonal displays

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	3,800 lm	both	high
efficacy_lm_per_w	95 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	40 W	pdf	high
power_factor	0.5	db	high
product_dimensions	200×145×28.5 mm	db	high
finish	Black	db	high
material	Die casting aluminum	db	high
mount_type	270-degree rotating bracket	pdf	high
weight	2.05 lb	pdf	high
ip_rating	IP66	both	high
environmental_rating	Waterproof	db	high
ambient_temp_c	-40–45 °C	db	high
operating_humidity	95% RH or below	pdf	high
warranty_years	5 y	db	high

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