



100W RGB+CCT Smart Wi-Fi LED Flood Light, IP66, 12000 lm, 120° Beam

- Delivers 12,000 lumens at 100W for high-output area illumination
- Switchable CCT output between 2700K and 6500K plus full RGB color mixing
- IP66-rated aluminum housing suited for outdoor exposure
- 120-degree beam angle for wide, uniform light spread
- Operates on 120-277VAC input across a -40°C to 40°C ambient range
- Rated for 50,000 hours of LED lifetime at 120 lm/W efficacy

OVERVIEW

The F-100RGB-CCT-WiFi is a 100W RGB+CCT Wi-Fi-enabled LED flood light designed for outdoor commercial and residential applications where color flexibility and remote control capability are required. The fixture supports full RGB color mixing alongside adjustable white color temperature, controlled via the Smart Life app with compatibility for common smart home ecosystems.

The flood light delivers 12,000 lumens at 6500K and includes a 2700K mode for reduced-intensity warm white output, with an efficacy of 120 lm/W and a CRI of 80. It carries an IP66 rating for protection against dust and water ingress, and the 120-degree beam angle provides broad, uniform light distribution. The aluminum housing operates across an ambient temperature range of -40°C to 40°C.

The product is backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

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

MECHANICAL

Finish	Black
Material	Aluminum

ELECTRICAL

Operating Voltage	120-277 V
Wattage	100 W

ENVIRONMENTAL

IP Rating	IP66
Ambient Operating Temperature	-40-40 °C -40-104 °F

ORDERING

Warranty

1 y

APPLICATIONS

- Building facade accent lighting
- Parking lot and outdoor area lighting
- Sports court and recreational field lighting
- Landscape and garden color lighting
- Warehouse yard and loading dock lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	12,000 lm	db	high
efficacy_lm_per_w	120 lm/W	db	high
cct_k	2,700K / 6,500K	db	high
cri	80	db	high
beam_angle_deg	120°	db	high
led_lifetime_h	50,000 h	db	high
color	RGB + CCT	db	high
lens_type	Tempered Glass	db	high
operating_voltage	120–277 V	db	high
wattage	100 W	db	high
finish	Black	db	high
material	Aluminum	db	high
ip_rating	IP66	db	high
ambient_temp_c	-40–40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.