



50W RGB LED Flood Light, IP65, Black ADC12 Housing with Remote Control

- 48-piece SMD2835 LED array with CRI 80 and 120° beam spread
- IP65-rated enclosure with IK08 collision protection rating
- Black ADC12 die-cast aluminum housing with bending mount bracket
- 2KV anti-surge protection and breather to prevent internal atomization
- Operating temperature range of -40°C to +45°C
- 50,000-hour rated LED life with 1-year warranty

OVERVIEW

The F-50RGB-BK is a 50W RGB LED flood light designed for outdoor architectural, landscape, and accent lighting applications. The black ADC12 die-cast aluminum housing provides structural durability, and the included remote control allows color selection and brightness adjustment across a full RGB spectrum.

Rated IP65, the fixture is suitable for exposed outdoor installations and can withstand direct water spray and dust ingress. The unit operates on 12V input and uses a 48-piece SMD2835 chip array with a CRI of 80 and a 120° beam angle. A breather assembly limits internal water vapor and atomization, IK08 collision protection and 2KV anti-surge protection are built in, and the operating temperature range is -40°C to +45°C. Overall dimensions are 332mm L × 260mm W × 375mm H.

Rated LED life is 50,000 hours and the fixture carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

CRI	80
Beam Angle	120°
LED Chip Type	SMD2835
LED Lifetime	50,000 h
Light Color	RGB

MECHANICAL

Product Dimensions	320*175*440mm
Finish	Black
Material	ADC12
Weight	15.43 lb

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	130 V
Wattage	20 W

ENVIRONMENTAL

IP Rating	IP65
Ambient Operating Temperature	-40-45 °C -40-113 °F

APPLICATIONS

- Warehouse and factory yards
- Building facade and architectural accent lighting
- Toll stations and access roads
- Exhibition halls and event spaces
- Landscape and signage illumination

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
cri	80	both	high
beam_angle_deg	120°	both	high
led_chip_type	SMD2835	db	high
led_lifetime_h	50,000 h	db	high
color	RGB	db	high
operating_voltage	130 V	pdf	high
wattage	20 W	pdf	high
product_dimensions	320*175*440mm	pdf	high
finish	Black	db	high
material	ADC12	db	high
weight	15.43 lb	pdf	high
ip_rating	IP65	both	high
ambient_temp_c	-40–45 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.