



Smart RGBW 6-Inch LED Downlight, 15W, 1200lm, Wi-Fi, Tuya/Alexa/Google

- Delivers 1200 lumens at 15W for 80 lm/W efficacy
- Adjustable CCT from 2700K to 6000K plus 16 million RGB colors
- CRI80 rating for accurate color rendering
- 180° beam angle for broad, even light distribution
- Aluminum construction rated for -20°C to 40°C ambient
- Wi-Fi control via Tuya app, Google Home and Alexa; CE, RoHS, FCC certified

OVERVIEW

The A-FK6-15W-RGBW is a 6-inch RGBW LED downlight with integrated Wi-Fi control, designed for residential and commercial ceiling installations where adjustable white color temperature and full RGB color output are required. It is constructed from aluminum and supports control through smart home platforms via Wi-Fi connectivity.

The fixture operates at 15W and delivers 1200 lumens at 80 lm/W efficacy, with a CRI of 80 and a 180° beam angle for broad, even illumination. It is rated for ambient operation from -20°C to 40°C and carries a 50,000-hour LED lifespan, suitable for general interior applications in residential and light commercial environments.

The product carries CE, RoHS and FCC certifications and is backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,200 lm
Efficacy	80 lm/W
Color Temperature	2,700K / 3,000K / 4,000K / 5,000K / 6,000K
CRI	80
Beam Angle	180°
LED Lifetime	50,000 h

MECHANICAL

Finish	White
Material	Aluminum

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-240 V
Wattage	15 W

ENVIRONMENTAL

Ambient Operating Temperature	-20-40 °C -4-104 °F
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CERTIFICATIONS & COMPLIANCE

CE

CE

RoHS

RoHS Compliant

FCC

FCC

APPLICATIONS

- Residential ceiling installations
- Commercial office lighting
- Retail display areas
- Hospitality interiors
- Light commercial spaces

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	1,200 lm	db	high
efficacy_lm_per_w	80 lm/W	db	high
cct_k	2,700K / 3,000K / 4,000K / 5,000K / 6,000K	db	high
cri	80	db	high
beam_angle_deg	180°	db	high
led_lifetime_h	50,000 h	db	high
operating_voltage	120–240 V	db	high
wattage	15 W	db	high
finish	White	db	high
material	Aluminum	db	high
ambient_temp_c	-20–40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.