



6-Inch LED Downlight 12W 6000K
800lm Dimmable IC-Rated

- Delivers 800 lumens at 12W for an efficacy of 95 lm/W
- 6000K CCT with CRI 80 for cool, consistent color rendering
- 120-degree beam angle for broad, even light distribution
- IP63 rated aluminum housing with white finish
- Triac dimmable with 50,000-hour rated lifespan
- ETL, Energy Star, and RoHS listed, 3-year warranty

OVERVIEW

The A-E6-R12-60K is a 6-inch recessed LED downlight designed for commercial and residential ceiling applications where consistent, high-quality illumination is required. Its IC-rated construction allows safe installation in direct contact with insulation, making it suitable for a range of new construction and retrofit environments.

The fixture operates at 12W on 120V input, delivering 800 lumens at 6000K CCT with a CRI of 80 and a 120-degree beam angle for broad, even light distribution. Efficacy is rated at 95 lm/W, and the unit is triac dimmable with a rated lifespan of 50,000 hours, reducing maintenance intervals in occupied spaces. The housing is constructed of aluminum with a white finish and an IP63 environmental rating.

The downlight is listed with ETL, Energy Star, and RoHS compliance and carries a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	800 lm
Efficacy	95 lm/W
Color Temperature	6,000 K
CRI	80
Beam Angle	120°
LED Lifetime	50,000 h
Light Color	White
Lens Type	Polycarbonate

MECHANICAL

Product Dimensions	8 × 8.25 × 2.5 in
Finish	White
Material	Aluminum
Weight	1.11 lb

ORDERING

Warranty	3 y
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ELECTRICAL

Operating Voltage	120 V
Wattage	12 W
Dimmer Type	Triac

ENVIRONMENTAL

IP Rating	IP63
Ambient Operating Temperature	-40–45 °C -40–113 °F

CERTIFICATIONS & COMPLIANCE

ETL

ETL Listed

ENERGY STAR

ENERGY STAR

RoHS

RoHS Compliant

APPLICATIONS

New construction residential ceilings

Commercial office recessed lighting

Retrofit downlight replacement

Damp location ceiling installations

Hospitality and retail ambient lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	800 lm	db	high
efficacy_lm_per_w	95 lm/W	db	high
cct_k	6,000 K	db	high
cri	80	db	high
beam_angle_deg	120°	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
lens_type	Polycarbonate	db	high
operating_voltage	120 V	db	high
wattage	12 W	db	high
dimmer_type	Triac	db	high
product_dimensions	8 × 8.25 × 2.5 in	db	high
finish	White	db	high
material	Aluminum	db	high
weight	1.11 lb	db	high
ip_rating	IP63	db	high
ambient_temp_c	-40–45 °C	db	high
warranty_years	3 y	db	high

Specifications subject to change without notice.