



3W LED Downlight, 3-Inch Cutout, 6000K, 270lm, IP20

- Delivers 270 lumens at 90 lm/W efficacy
- 6000K cool white color temperature with CRI above 70
- SMD2835 LED chips rated for 50,000 hours of service life
- 3-inch diameter with 2.36-inch cutout for recessed mounting
- IP20 rated for dry indoor environments
- ABS construction with white finish

OVERVIEW

The 9-CLP-R3W is a compact round LED downlight designed for residential and light commercial recessed lighting applications. Its 3-inch diameter profile and 2.36-inch cutout requirement suit installations where space is limited or a low-profile fixture is required.

The fixture operates at 3W on 120-240V AC input and produces 270 lumens at a 6000K cool white color temperature, yielding 90 lm/W efficacy. It uses SMD2835 chip technology, is constructed from ABS material with a white finish, and carries an IP20 environmental rating with a 60° beam angle. Rated ambient operating range is -30 to 50°C and CRI exceeds 70.

SPECIFICATIONS

OPTICAL

Luminous Flux	270 lm
Efficacy	90 lm/W
Color Temperature	6,000 K
CRI	70
Beam Angle	60°
LED Chip Type	SMD2835
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	1.25 × 3.25 × 3 ft
Finish	White
Material	ABS
Weight	0.1 lb

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-240 V
Wattage	3 W

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-30-50 °C -22-122 °F

APPLICATIONS

- Residential recessed ceiling lighting
- Hallway and corridor downlighting
- Light commercial office lighting
- Retail display recessed lighting
- Kitchen and bathroom recessed fixtures

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	270 lm	db	high
efficacy_lm_per_w	90 lm/W	db	high
cct_k	6,000 K	db	high
cri	70	db	high
beam_angle_deg	60°	db	high
led_chip_type	SMD2835	db	high
led_lifetime_h	50,000 h	db	high
operating_voltage	120–240 V	db	high
wattage	3 W	db	high
product_dimensions	1.25 × 3.25 × 3 ft	db	high
finish	White	db	high
material	ABS	db	high
weight	0.1 lb	db	high
ip_rating	IP20	db	high
ambient_temp_c	–30–50 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.