



LED Downlight 12W, 6000K, 1080lm, 60° Beam, 5.12in Recessed CLP Series

- Delivers 1080 lumens at 12W for 90 lm/W efficacy
- 6000K cool white output with 60° beam angle
- SMD2835 LED chip rated for 50,000 hours of operation
- IP20 rated for dry indoor recessed installations
- ABS housing with white finish weighs 0.4 lb
- Accepts 120-240V input for flexible line voltage use

OVERVIEW

The CLP Series 9-CLP-S12W is a square recessed LED downlight designed for recessed ceiling installations in residential and commercial environments. With a 5.12-inch diameter and a 4.75-inch cutout requirement, it suits standard retrofit and new-construction ceiling applications where a clean, low-profile appearance is required.

The fixture operates at 12W on 120-240V input and delivers 1080 lumens at 6000K (cool white) through a 60° beam angle, yielding an efficacy of 90 lm/W. It carries a CRI of 75 and an IP20 rating, making it appropriate for dry indoor locations, with an ambient operating range of -30 to 50°C. The housing is constructed from ABS material with a white finish and uses an SMD2835 LED chip.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,080 lm
Efficacy	90 lm/W
Color Temperature	6,000 K
CRI	75
Beam Angle	60°
LED Chip Type	SMD2835
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	5.75 × 2.25 × 5.5 ft
Finish	White
Material	ABS
Weight	0.4 lb

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-240 V
Wattage	12 W

ENVIRONMENTAL

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

APPLICATIONS

- Residential ceiling recessed lighting
- Commercial office and retail downlighting
- Hallway and corridor illumination
- New - construction ceiling installations
- Retrofit ceiling upgrades

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	1,080 lm	db	high
efficacy_lm_per_w	90 lm/W	db	high
cct_k	6,000 K	db	high
cri	75	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	12 W	db	high
product_dimensions	5.75 × 2.25 × 5.5 ft	db	high
finish	White	db	high
material	ABS	db	high
weight	0.4 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.