



Recessed LED Downlight 12W, 6000K, 60° Beam, IP20, SMD2835 Chips

- 12W SMD2835 LED chips deliver 1,080 lumens output
- 6000K cool white color temperature with CRI of 70
- 90 lm/W efficacy with 50,000 hour rated lifetime
- 60° beam angle for broad, even illumination
- ABS housing rated IP20, operates on 120-240V AC
- Rated ambient operating range of -30°C to 50°C

OVERVIEW

The CLP Series 12W Round LED Downlight is a recessed fixture designed for residential and commercial applications, including retail spaces and showrooms where consistent, functional illumination is required.

The fixture operates on 120-240V AC and delivers 1,080 lumens using SMD2835 chip technology, yielding a luminous efficacy of 90 lm/W and a rated lifetime of 50,000 hours. The 6000K color temperature produces a cool white output with a 60° beam angle, and the CRI rating of 70 provides acceptable color representation for general commercial use. The housing is constructed from ABS material with an IP20 rating and operates across an ambient range of -30°C to 50°C.

The fixture carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,080 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	5.75 × 2.25 × 5.5 ft
Finish	White
Material	ABS
Weight	0.4 lb

ORDERING

Warranty	1 y
----------	-----

ELECTRICAL

Operating Voltage	120-240 V
Wattage	12 W

ENVIRONMENTAL

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

APPLICATIONS

- Retail showroom lighting
- Commercial ceiling installations
- Residential hallway and living space lighting
- Display and accent lighting in retail spaces

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	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	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.