



Recessed LED Downlight 12W, 3500K, 1080lm, 60° Beam, CLP Series

- Delivers 1,080 lumens at 90 lm/W efficacy
- SMD2835 LED chips rated for 50,000 -hour lifetime
- 60° beam angle with 3500K color temperature
- ABS housing with white finish, weighs 0.4 lb
- IP20 rated for dry indoor environments
- Operates on 120-240V AC across -30 to 50°C ambient range

OVERVIEW

The CLP Series 12W LED Downlight is a recessed ceiling fixture designed for general illumination in commercial and residential indoor environments. Its 5.12-inch round form factor fits standard ceiling cutouts, and the ABS housing with white finish provides a lightweight, durable construction.

The fixture uses SMD2835 LED chips at 3500K, producing a neutral-warm output at 1,080 lumens with a CRI of 75 and a 60° beam angle. Rated efficacy is 90 lm/W, drawing 12W across an input range of 120-240V AC, with an IP20 rating and an operating temperature range of -30 to 50°C.

This downlight carries a 1-year manufacturer warranty and a rated LED lifetime of 50,000 hours.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,080 lm
Efficacy	90 lm/W
Color Temperature	3,500 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
----------	-----

ELECTRICAL

Operating Voltage	120-240 V
Wattage	12 W

ENVIRONMENTAL

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

APPLICATIONS

- Retail display lighting
- Office ceiling illumination
- Hospitality corridor and lobby lighting
- Residential recessed ceiling fixtures
- Commercial indoor general lighting

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	3,500 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.