

ARCHITECTURAL CEILING LIGHTING

Recessed Lighting LED Downlight Ceiling
Spotlight COB Fixture – Mini High-CRI
97 Deep Anti-Glare Round Trim

High-CRI deep-cup spotlight for comfortable indoor architectural lighting

A compact recessed COB LED downlight with a clean white round trim, deep frosted optical cup, high color rendering and a radial aluminum heat sink. The spring-clip mounting system provides a secure, low-profile installation for residential, hospitality and commercial interiors.



White round trim deep optical cup radial finned heat sink

RECESSED

HIGH CRI

ANTI-GLARE

KEY PRODUCT DATA

POWER RANGE

5W-12W

Four wattage options

INPUT

AC 85-265V

50/60Hz wide-voltage driver

LIGHT QUALITY

CRI Ra97

High-fidelity COB LED source

EFFICACY

Up to 110 lm/W

Nominal source efficacy

COLOR TEMPERATURE

3000 / 4000 / 6000K

Warm, natural or cool white

WARRANTY

5 years

Quality-inspected before shipment

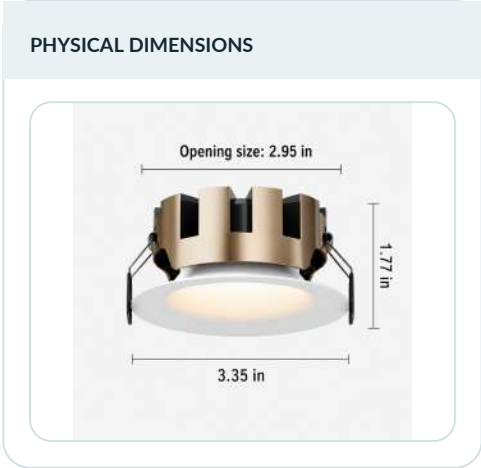
AVAILABLE CONFIGURATIONS

POWER	5W • 7W • 10W • 12W
CCT	3000K • 4000K • 6000K
OPTICS / SIZE	12° • 24° standard • 36° Ø3.35 in trim • Ø2.95 in cutout • 1.77 in height

PERFORMANCE AND CONSTRUCTION

Technical Specification

GENERAL / ELECTRICAL / OPTICAL	
Product type	Recessed COB LED downlight
Installation	Recessed / embedded ceiling installation
Mounting method	Integrated spring retaining clips
Light source	Integrated COB LED chip
Power options	5W, 7W, 10W and 12W
Input voltage	AC 85-265V; suitable for 110/220V systems
Frequency	50/60Hz
Dimming	Dimmable version available; verify selected driver
Color temperature	3000K warm / 4000K natural / 6000K cool
Color rendering	CRI Ra97
Luminous efficacy	Up to 110 lm/W
Beam angles	12° / 24° / 36°; 24° standard
Optical design	Deep recessed frosted white optical cup
Light distribution	Soft, focused downward illumination
Housing	Aluminum radial heat sink with plated finish
Trim / shape	White round trim
Operating temperature	-25 to 45°C
Warranty	5 years



SIZE DATA	
Outer diameter	3.35 in / 85 mm
Ceiling cutout	2.95 in / 75 mm
Fixture height	1.77 in / 45 mm

CALCULATED NOMINAL OUTPUT AT 110 LM/W	
5W	550 lm
7W	770 lm
10W	1,100 lm
12W	1,320 lm



Deep frosted optical cup for soft, controlled illumination



Minimal recessed lighting for modern residential interiors

FLEXIBLE ARCHITECTURAL ILLUMINATION

Design and Installation



3000K warm · 4000K natural · 6000K cool white



Typical hallway and circulation-area application

RECOMMENDED INSTALLATION SEQUENCE

1

Isolate the circuit and verify the 2.95 in ceiling cutout.

2

Connect the driver and conductors in accordance with local code.

3

Compress the spring clips and insert the fixture into the opening.

4

Restore power, test dimming and confirm alignment and light output.



Radial aluminum fins support reliable heat dissipation

DESIGN GUIDANCE

- **Comfort:** The deep frosted cup shields the source from direct view.
- **Beam selection:** Use 12° for tight accents, 24° for general accents and 36° for wider coverage.
- **Color temperature:** Select 3000K for warmth, 4000K for neutral task light or 6000K for a crisp appearance.
- **Spacing:** Coordinate wattage, beam, ceiling height and target illuminance before layout.
- **Dimming:** Verify the selected dimmable driver and compatible control.
- **Thermal management:** Do not obstruct the radial heat-dissipation fins.
- **Location:** For dry indoor use unless a separately verified IP-rated version is supplied.

Installation must be completed by a qualified person in accordance with local electrical regulations.

TENDER AND SPECIFICATION SUPPORT

Specification and Selection

SUGGESTED SPECIFICATION CLAUSE

Provide an indoor recessed COB LED downlight with a round white trim, deep frosted optical cup, integrated high-CRI COB source, radial aluminum heat-dissipation body and spring-clip mounting. Luminaire shall be supplied in the scheduled 5W, 7W, 10W or 12W rating; scheduled 3000K, 4000K or 6000K color temperature; and a color rendering index of Ra97. Select 12°, 24° or 36° beam distribution, with 24° as the standard optic. Driver shall accept AC 85-265V, 50/60Hz input. Provide the dimmable driver version only where scheduled. Install within a 2.95 in ceiling cutout and commission in accordance with manufacturer instructions and local electrical regulations. Provide a five-year warranty.



Ra97 color rendering for natural, vivid interiors

PROJECT SELECTION GUIDE	
POWER	5W • 7W • 10W • 12W
DIMENSIONS	Outer Ø3.35 in (85 mm) • Cutout Ø2.95 in (75 mm) • Height 1.77 in (45 mm)
CCT	3000K warm • 4000K natural • 6000K cool
BEAM ANGLES	12° • 24° standard • 36°
COLOR RENDERING	CRI Ra97
EFFICACY	Up to 110 lm/W
INPUT	AC 85-265V • 50/60Hz • 110/220V compatible
FINISH	White round trim • Frosted optical cup • Plated aluminum heat sink
DIMMING	Dimmable version available; verify selected driver and control
APPLICATION	Indoor accent • general • residential • hospitality • retail • gallery
WARRANTY	5 years



Bedroom and residential ceiling application



Living-room and general-lighting application