

Mini LED Recessed Spotlight 3W High CRI RA95 Small Downlight

Compact high-color-accuracy downlight for precision accent illumination

This miniature recessed spotlight delivers focused illumination in a discreet ceiling format. A 1.38-inch cutout, spring-clip retention and compact aluminum body support installation in display cases, cabinets, retail areas and architectural ceilings. CRI Ra95 enhances artwork and merchandise, while the deep anti-glare optical system limits spill and direct glare. The series is offered in 3W, 7W, 10W and 15W versions with 3000K, 4000K or 6000K light.

MINI RECESSED

CRI RA95

24° ANTI-GLARE

Aluminum mini housing • Deep optical cup • Spring-clip recessed mounting

KEY PRODUCT DATA

POWER FAMILY

3W / 7W / 10W / 15W

Four compact wattage versions

INPUT

AC 110-120V

Through compatible LED driver

LIGHT QUALITY

CRI Ra95

High color accuracy

EFFICIENCY

95-110 lm/W

Supplied luminous efficacy

CUTOUT / TRIM

1.38 / 1.77 in

35 mm cutout; approx. 45 mm outer

OPTICS

24° Beam

32° shading / 58° cut-off

AVAILABLE CONFIGURATIONS

POWER **3W / 7W / 10W / 15W**
CCT **3000K / 4000K / 6000K**

INSTALLATION **Recessed with spring clips**
APPLICATION **Display / Retail / Artwork / Accent**

PERFORMANCE AND CONSTRUCTION

Technical Specification

GENERAL / ELECTRICAL / OPTICAL

Product type	Mini recessed COB LED spotlight / small downlight
Housing	Compact aluminum body with heat-dissipation fins
Optical system	Deep anti-glare cup with focused 24-degree beam
Power options	3W / 7W / 10W / 15W
Input voltage	AC 110-120V through compatible LED driver
Dimming	Not specified; confirm the selected driver and control package
Color temperature	3000K Warm White / 4000K Neutral White / 6000K Cold White
Color rendering	CRI Ra95
Luminous efficacy	95-110 lumens per watt
Beam control	24° beam / 32° shading angle / 58° cut-off angle
Cutout size	1.38 in (35 mm)
Outer diameter	Approximately 1.77 in (45 mm)
Installation	Ceiling or cabinet recessed with spring clips
Driver requirement	Use a compatible LED driver; keep it serviceable
Applications	Display case, retail, artwork, cabinet and accent lighting

CALCULATED NOMINAL LUMEN RANGE*

Power	At 95 lm/W	At 110 lm/W
3W	285 lm	330 lm
7W	665 lm	770 lm
10W	950 lm	1100 lm
15W	1425 lm	1650 lm

*Calculated from the supplied 110-115 lm/W efficacy range. Actual delivered output may vary by CCT, driver, optics and operating conditions.

COMPACT SCALE



1.38 in cutout / approx. 1.77 in outer diameter

HAND-SIZED FORMAT

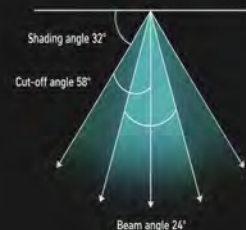


Compact spring-clip body for discreet integration

ANTI-GLARE OPTICAL CONTROL

Dual anti glare design

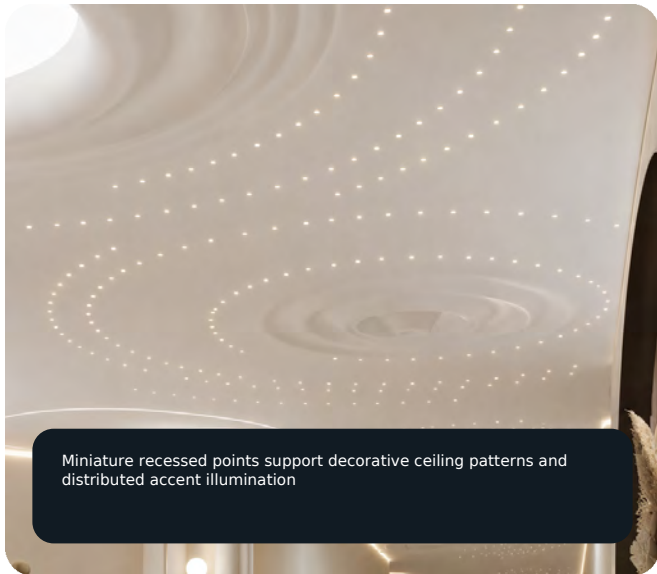
The light source adopts deep design, and there is no light in the visual range. At the same time, it is reasonably designed according to ergonomics to effectively prevent glare



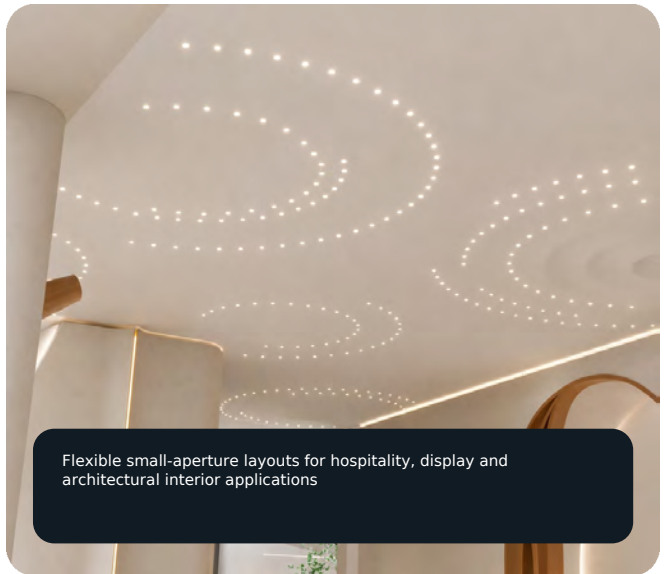
24° beam • 32° shading • 58° cut-off

COMPACT ARCHITECTURAL ILLUMINATION

Design and Installation



Miniature recessed points support decorative ceiling patterns and distributed accent illumination



Flexible small-aperture layouts for hospitality, display and architectural interior applications

RECOMMENDED INSTALLATION SEQUENCE

1

Isolate power and confirm the 1.38-inch opening, fixture clearance and selected wattage model.

2

Route AC 110-120V to the compatible driver and keep the driver accessible for service.

3

Connect the spotlight, compress the spring clips and insert the fixture into the prepared opening.

4

Restore power, test operation and aim or position the 24-degree beam on the intended target.

COMPACT FIXTURE FORMAT



Small housing for ceilings, millwork and display applications

Confirm the delivered model depth and driver clearance before cutting or closing the ceiling.

DESIGN GUIDANCE

- **Beam:** use the 24° distribution for focused artwork, merchandise and accent lighting.
- **Visual comfort:** the deep optical cup, 32° shading and 58° cut-off reduce direct
- **Spacing:** coordinate quantity and layout with ceiling height and target size.
- **Thermal:** keep the aluminum heat sink and driver free from insulation and obstructions.
- **CCT:** select 3000K, 4000K or 6000K to suit material color and project atmosphere.
- **Driver:** verify compatibility, voltage and any dimming requirement before rough-in.

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

TENDER AND SCHEDULE SUPPORT

Specification and Selection

The following clause, selection fields and schedule are provided as a project-writing aid. Verify the final wattage model, driver, ceiling depth and opening before construction issue.

SUGGESTED SPECIFICATION CLAUSE

Provide an indoor mini recessed COB LED spotlight comprising a compact aluminum housing, finned heat sink, deep anti-glare optical cup, spring-clip retention and compatible external LED driver. Luminaire shall be supplied in the scheduled 3W, 7W, 10W or 15W rating; AC 110-120V input through the compatible driver; CRI Ra95; stated efficacy of 95-110 lm/W; 24-degree beam; 1.38-inch cutout; and approximately 1.77-inch outer diameter. Provide the scheduled 3000K, 4000K or 6000K color temperature. The supplied optical diagram indicates a 32-degree shading angle and 58-degree cut-off angle. Install and commission in accordance with manufacturer instructions and local electrical regulations.



PROJECT SELECTION GUIDE

POWER	3W / 7W / 10W / 15W
SIZE:	Cutout: 1.38 in (35 mm) Outer diameter: approx. 1.77 in (45 mm)
INPUT	AC 110-120V through compatible LED driver
LIGHT QUALITY	COB LED / CRI Ra95 / 95-110 lm/W
OPTICS	24° beam / 32° shading / 58° cut-off
CCT	3000K Warm / 4000K Neutral / 6000K Cold
MATERIAL / MOUNTING	Aluminum housing / recessed with spring clips
APPLICATION	Display / retail / artwork / cabinet / accent lighting