

Focusing LED Spotlight Bulb E27 Adjustable Beam Angle Spotlight

Zoomable screw-in spotlight for precise accent and display lighting

A zoomable E27 LED spotlight bulb designed for precise accent, display and ambient lighting. The adjustable optical barrel changes the beam from a concentrated 15° spot to a broad 60° flood, while the aluminum housing and PMMA lens support efficient, reliable performance.

E27 SCREW-IN BASE

15°-60° ZOOM

3 CCT OPTIONS



E27 screw base • Ribbed aluminum heat sink • Adjustable optical barrel • PMMA focusing lens

KEY PRODUCT DATA

POWER RANGE

7W-12W

7W / 10W / 12W

INPUT

AC 110-120V

Standard E27 screw base

BEAM ANGLE

15°-60°

Continuous zoom / focus adjustment

COLOR TEMPERATURE

3000K / 4000K / 6000K

Warm / neutral / cold white

CONSTRUCTION

Aluminum

Heat-dissipating housing and lens

RATED LIFE

Up to 50,000 h

Low-maintenance LED operation

AVAILABLE CONFIGURATIONS

POWER **7W / 10W / 12W**

BASE **E27 standard screw**

CCT **3000K / 4000K / 6000K**

BEAM **Adjustable 15°-60°**

FINISH **Black / White / White with Black**

APPROX. SIZE **4.0 in H x 2.4 in Dia.**

PERFORMANCE AND CONSTRUCTION

Technical Specification

GENERAL / ELECTRICAL / OPTICAL

Product type	Zoomable / focusing LED spotlight bulb
Base type	E27 standard screw base
Power options	7W / 10W / 12W, model-dependent
Input voltage	AC 110-120V
Beam angle	Continuously adjustable 15°-60°
Adjustment	Twist the optical barrel to change spot-to-flood distribution
Color temperature	Warm white 3000K / neutral white 4000K / cold white 6000K
Light source	High-efficiency integrated LED / COB source
Housing	Aluminum alloy with heat-dissipation fins
Lens	PMMA focusing lens
Dimensions	Approx. 4.0 in high x 2.4 in diameter; 0.8 in lens travel
Installation	Screw-in; no additional tools or wiring required
Rated life	Up to 50,000 hours
Finish options	Black / White / White with Black
Applications	Home, retail display, art gallery, restaurant and office

OPTICAL RANGE

15°-60°

Spot to flood

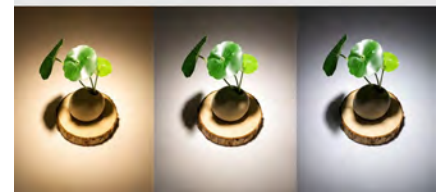
continuous zoom

ARTWORK SIZE

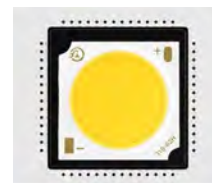
4.0 x 2.4 in

Approx. H x Dia.

0.8 in adjustment



Three available light colors: 3000K warm white, 4000K neutral white and 6000K cold white.



Highlight COB chip



Aluminum radiator



Aluminum lamp body



PMMA lens

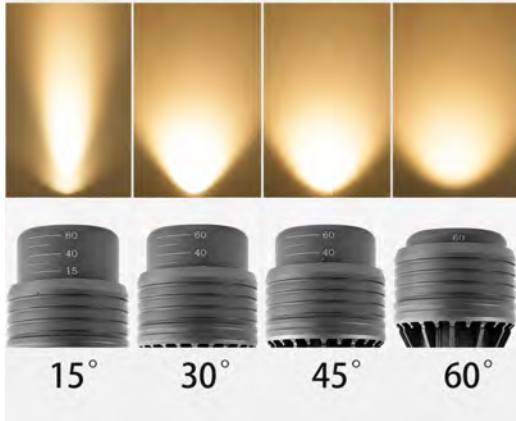
COB LED source • Aluminum radiator and housing • PMMA focusing lens



FLEXIBLE BEAM CONTROL

Beam Performance and Installation

Change Beam Angle 15° ~60°



The adjustable barrel changes the light distribution from a focused 15° spot to a broad 60° flood.



Use narrower settings for accent lighting and wider settings for general or ambient illumination.

RECOMMENDED INSTALLATION AND ADJUSTMENT SEQUENCE

1

Switch off power and confirm that the lamp holder is a compatible E27 socket.

2

Screw the bulb into the socket until secure. Do not overtighten the base.

3

Restore power, select the desired 3000K, 4000K or 6000K model and test output.

4

With the lamp cool and power off, twist the optical barrel to fine-tune the 15°-60° beam.

DESIGN GUIDANCE

- Accent lighting: Use 15°-30° for artwork, merchandise, sculptures and textured surfaces.
- General lighting: Use 45°-60° for broader pools of light in living, dining and hospitality spaces.
- Color selection: Choose 3000K for warmth, 4000K for balanced white and 6000K for crisp cool light.
- Glare control: Aim the beam away from direct sightlines and reflective surfaces.

RECOMMENDED APPLICATIONS

- Retail displays and merchandise accents
- Artwork, murals and gallery exhibits
- Restaurant tables and hospitality interiors
- Home decor, reading and feature lighting

Allow the lamp to cool before touching or changing the beam setting.

TENDER AND SPECIFICATION SUPPORT

Specification and Selection

The following clause and selection guidance are provided as a project-writing aid. Replace preliminary values with verified manufacturer data before final issue.

SUGGESTED SPECIFICATION CLAUSE

Provide a screw-in zoomable LED spotlight bulb with an E27 standard base, aluminum alloy housing, integrated high-efficiency LED source, PMMA focusing lens and manually adjustable optical barrel. Luminaire shall be supplied in the scheduled 7W, 10W or 12W rating; scheduled 3000K, 4000K or 6000K color temperature; and scheduled black, white or white-with-black finish. Beam angle shall be continuously adjustable from approximately 15° to 60°. Lamp shall operate on AC 110-120V and be installed in a compatible E27 socket in accordance with manufacturer instructions and local electrical requirements.



Approximate dimensions shown in the supplied product artwork.

PROJECT SELECTION GUIDE

POWER	7W / 10W / 12W
BASE	E27 standard screw base
INPUT	AC 110-120V
BEAM ANGLE	Continuously adjustable 15°-60°
CCT	3000K / 4000K / 6000K
FINISH	Black / White / White with Black
APPROX. SIZE	4.0 in H x 2.4 in Dia.; 0.8 in lens adjustment
APPLICATION	Home / Retail display / Art gallery / Restaurant / Office