

TRITUNE Series

Adjustable LED Spotlight

Tune Angle | **Tune White** | **Tune Brightness**

ONE Design. Three Adjustments.



USER MANUAL

Models: MR16 (GU5.3) · PAR11 (E11/GU10) · PAR16 (E11/GU10)

Beautiful Light Technology Corporation (BLTC)

1. Safety Instructions

Read all instructions before installation. Keep this manual for reference.

- **Risk of electric shock.** Switch OFF the power at the breaker or wall switch before installing, removing, or adjusting the lamp.
- Install only in a fixture matching the lamp base and rated voltage. Verify the model label before use.
- The lamp surface gets hot in operation. Let it cool at least 5 minutes before touching or adjusting.
- Do not use in fully enclosed, airtight fixtures unless rated for enclosed LED use. Poor ventilation shortens lamp life.
- **MR16 (12V) only:** use with an LED-compatible 12V AC/DC transformer. Electric transformers may cause flicker or potential compatibility issue.
- Do not open or disassemble. No user-serviceable parts inside. Unauthorized disassembly voids the warranty.
- Not for emergency lighting. Keep out of reach of children.

2. Product Overview

TRITUNE combines adjustable beam angle, switchable color temperature, and dimming in one lamp — replacing multiple fixed SKUs with a single product. All three adjustments are made by hand.

Tune Angle

Front lens ring · 20°/25°/40°/50°

Tune White

Mid CCT ring · 3-step 2700K/4000K/6500K

Tune Brightness

Dimmable PSU (body)

Base

GU5.3/GU10/E11

Product Anatomy — Three Adjustment Zones

Tune Angle

Front lens ring · 20°/25°/40°/50°

Tune White

Mid CCT ring · 3-step 2700K/4000K/6500K

Tune Brightness

Dimmable PSU (body)

Base

GU5.3/GU10/E11

Product Anatomy — Three Adjustment Zones

3. Installation

Switch OFF the power supply before installation.

GU10 base — PAR11 GU10 / PAR16 GU10

1. Align the two base pins with the slots in the GU10 socket.
2. Push in gently and twist clockwise about 90° until it locks.
3. To remove: push in slightly and twist counterclockwise.

GU5.3 base — MR16

1. Confirm the fixture uses an LED-compatible 12V AC/DC driver.
2. Align the two pins with the socket holes and push straight in until fully seated.
3. To remove: pull straight out. Do not twist.

E11 base — PAR11 E11 / PAR16 E11

1. Align the lamp base with the E11 socket.
2. Screw in clockwise until snug. Do not overtighten.
3. To remove: unscrew counterclockwise.

4. Operation — Three Adjustments

Switch off the power and let the lamp cool before making any adjustment.

4.1 Tune Angle — 4-Step Beam

Rotate front lens ring to each detent



Align the tool with the Tool slots, then rotate clockwise or counterclockwise to the next beam-angle detent position.

A slight click indicates that the beam angle has been changed.

 **Power OFF** before adjustment.



1. Hold the lamp body steady with one hand.
2. Rotate the front lens ring with the other hand to the next detent position.
3. The lens clicks into one of four fixed angles: **20° → 25° → 40° → 50°**.
 - **20°–25°** Narrow spot — accent lighting, artwork, merchandise highlights
 - **40°–50°** Wide flood — general wall washing, ambient fill

4.2 Tune White — 3-Step Color Temperature

Rotate mid CCT ring (3-step)



Rotate mid CCT ring (3-step)



1. Locate the mid CCT ring below the lens section.
2. Rotate the ring to the next detent. Each step switches the color temperature.
3. Setting is mechanical design — **the selected CCT is retained after power-off** and restored automatically on the next power-on.
 - **2700K** Warm white — hospitality, residential, relaxed ambience
 - **4000K** Neutral white — retail, gallery, office
 - **6500K** Daylight — display, task, commercial

4.3 Tune Brightness — Dimming

- The built-in dimmable PSU supports smooth dimming with a compatible trailing-edge (ELV) dimmer (recommended). Leading-edge (TRIAC) dimmers may work but may flicker at some levels.

- **MR16 (12V):** both the transformer and the dimmer must be LED-dimming compatible.
- For verified compatible dimmers, contact BLTC or your distributor.

5. Troubleshooting

Symptom	Likely Cause	Solution
Lamp does not light	No power / poor contact	Check breaker and re-seat lamp
Lamp does not light	Wrong voltage model	Verify lamp marking vs mains
Flicker when dimmed	Incompatible dimmer	Use trailing-edge LED dimmer
Flicker (MR16)	Non-LED transformer	Replace with LED 12V driver
CCT does not change	Ring not at detent	Rotate CCT ring fully to next step
Angle ring stiff	Lamp still hot	Power off, let cool, then adjust
Hot / short life	Enclosed fixture	Use ventilated / LED-rated fixture

If problems persist, stop using the product and contact your distributor.

6. Compliance & Disposal

- **EU models (PAR/MR):** CE / UKCA
- **US model (PAR/MR):** FCC / UL
- **Japan model (PAR11 E11, 100V):** PSE
- Contains electronics. Do not discard with household waste; recycle per local WEEE / e-waste rules.

7. Limited Warranty

BLTC warrants this product against defects in materials and workmanship for **2 year** from the date of purchase under normal use and installation.

Not covered: damage from incorrect voltage or incompatible dimmers/drivers, unauthorized disassembly, misuse, outdoor installation without a rated enclosure, or normal lumen depreciation.

For service, contact your distributor or BLTC with proof of purchase and the model number.