AKER LIGHTING

TECHNICAL DATA SHEET

AL SPAR56 TR

THERMAL RESIN BODY AND SMD LED PAR56 POOL BULB



Pool Lighting › Thermal Resin PAR56 LED Pool Bulbs

PATENTED PRODUCT

The AL SPAR56 TR is a PAR56 LED pool bulb with a patented thermal resin body that transfers the heat of the LEDs quickly to the water, keeping the body temperature low for a long service life. The polymer body resists pool chemicals and does not corrode, and the UV-protected, impact-resistant glass is suitable for saltwater pools. It is available with 84 or 120 high-power SMD LEDs (42 W / 60 W) in white, warm white and blue, as well as in RGB versions with four-wire controller or two-wire ON/OFF colour change.

PROTECTION RATING	OPERATING VOLTAGE	POWER
IP68	12 VAC · 24 VDC	30–60 W

ELECTRICAL CLASS	WARRANTY
Class III	2-year warranty

LED COLOUR	White · Warm white · Blue · RGB
POWER	30 W · 42 W · 50 W · 60 W
OPERATING VOLTAGE	12 VAC · 24 VDC

CERTIFICATES AND PROPERTIES

- IP68 waterproof
- Class III
- UV resistant
- Recyclable
- CE
- 2 year warranty
- RGB, 4 wires (controller)
- RGB, 2 wires (ON/OFF colour change)
- Suitable for direct mounting on normally flammable surfaces
- Dust-tight
- Protected against water jets
- Patented product

FEATURES

ADVANTAGES:

- The lamp body transfers heat quickly from the LEDs to the water, so the body temperature does not rise.
- Thermal resin polymer body is resistant to pool chemicals.
- No corrosion due to water.
- The lamp glass is highly resistant to impact and UV.
- Long life and high light output.
- All electronic circuit boards must be cooled.
- Longer life than other LED bulbs.
- Suitable for saltwater.

SPECIFICATIONS

- 42W White and Warm White colours: 4200 lumen
- 42W Blue colour: 2520 lumen
- 60W White and Warm White colours: 6000 lumen
- 60W Blue colour: 3600 lumen
- 30W & 50W RGB 3-chip full-colour LED
- 30W & 50W RGB 3-chip full-colour LED, two-wire control (no wireless control needed)
- Two-wire RGB lamp changes colour with ON/OFF switching

WHAT MAKES THERMAL RESIN DIFFERENT?

- Thermal resin is a polymer material with high heat transfer.
- Thermal resin is a new high-tech material with high heat transfer.
- Our patented cooling body design removes the heat generated by the LEDs, giving a much longer life than other LED bulbs.
- Thermal resin polymer body is resistant to pool chemicals.
- The UV-protected glass is unbreakable and impact resistant, so it cannot cause dangerous cuts in the pool.

TECHNICAL DATA

LIGHT

LED	84 pcs high power SMD LED (5730) 120 pcs high power SMD LED (5730)
Colour	White, Warm White, Blue
Lumen	WH/WW 4200 - BL 2520 lumen WH/WW 6000 - BL 3600 lumen

ELECTRICAL

Volt	12 VAC / 24 VDC
Watt	42 W (AL SPAR56 TR-84 WH/WW/BL) 60 W (AL SPAR56 TR-120 WH/WW/BL)

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AL SPAR56 TR

THERMAL RESIN BODY AND SMD LED PAR56 POOL BULB

BODY AND MOUNTING	
Warranty	2 years
Saltwater	Suitable

PACKAGING	
Package Sizes	64 × 38 × 56 cm
Package Kgs	23.6 kg

RGB BULB LUMEN VALUES

LED Colour	Total MCD	Lumen
Red	75,000	235
Green	195,000	615
Blue	49,500	155
White	319,500	1005

RGB BULB LUMEN VALUES

LED Colour	Total MCD	Lumen
Red	120,000	376
Green	312,000	980
Blue	79,200	248
White	511,200	1604

PRODUCT CODES

Code	LED colour	Power	Luminous flux
AL SPAR56 TR-84 (WH/WW/BL)	White, Warm white, Blue	42 W	4200 / 2520 lm
AL SPAR56 TR-120 (WH/WW/BL)	White, Warm white, Blue	60 W	6000 / 3600 lm
AL SPAR56 TR-150 (RGB)	RGB	30 W	—
AL SPAR56 TR-240 (RGB)	RGB	50 W	—
AL SPAR56 TR-150 (RGB) TWO WIRED	RGB	30 W	—
AL SPAR56 TR-240 (RGB) TWO WIRED	RGB	50 W	—

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