AKER LIGHTING

TECHNICAL DATA SHEET

AL 4065

MINI DESIGN SURFACE MOUNTED POOL LIGHTING



Pool Lighting › Mini Surface Mounted Pool Lighting

PATENTED

The AL 4065 is a mini surface-mounted underwater light for pools and pool steps, with a very slim, stylish design. Its thermal resin body transfers heat efficiently for long service life, resists pool chemicals and does not corrode, making it suitable for saltwater. It is available with 30 SMD LEDs (15 W) in white, warm white or blue, or with 42 full-colour RGB LEDs (9 W), operating at 12 VDC with IP68 protection.

PROTECTION RATING **IP68**	OPERATING VOLTAGE **12 VDC**	POWER **9–15 W**
ELECTRICAL CLASS **Class III**	WARRANTY **2-year warranty**	

BODY COLOUR	Thermal resin (TR) · White
LED COLOUR	White · Warm white · Blue · RGB
POWER	9 W · 15 W
OPERATING VOLTAGE	12 VDC

CERTIFICATES AND PROPERTIES

- IP68 waterproof
- Class III
- UV resistant
- Recyclable
- CE
- 2 year warranty
- Suitable for direct mounting on normally flammable surfaces
- Dust-tight
- Protected against water jets
- Patented product

FEATURES

ADVANTAGES :

- Can be used underwater, in pools and on pool steps.
- Very slim and stylish design.
- Long service life thanks to the thermal resin body.
- The glass is impact resistant and UV protected.
- Easy and simple installation.
- High light output
- Thermal resin polymer body is resistant to pool chemicals.
- No corrosion.
- Suitable for saltwater
- Recyclable Eco-Friendly materials.

SPECIFICATIONS

- 15W White and Warm White colours: 1500 lumen
- 15W Blue colour: 900 lumen
- 9W RGB 3-chip full-colour LED.
- IP68 CLASS III 12 VDC

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.
- The high-tech body is not affected by pool chemicals.
- The UV-protected glass is unbreakable and impact resistant, so it cannot cause dangerous cuts in the pool.

TECHNICAL DATA

LIGHT

Single Colour LED	**30 pcs power SMD LED (5730)**
RGB Colour LED	**42 pcs 3-chip full-colour high-power SMD LED (5050)**
Colour	**White, Warm White, Blue, RGB**
Lumen	**White, Warm White 1500 lumen Blue 900 lumen, RGB 286 lumen**

ELECTRICAL

Volt	**12 VDC**
Watt	**Single Colour 15W, RGB Colour 9W**

PACKAGING

Package Size	**41 × 21 × 28 cm**
Package Kgs	**7.30 kg**

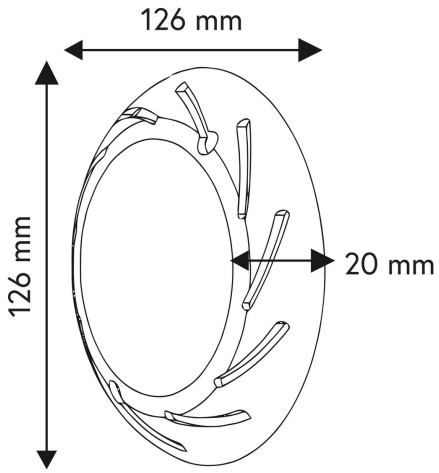
RGB BULB LUMEN VALUES

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AKBORU
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LED Colour	Total MCD	Lumen
Red	21,000	66
Green	54,600	175
Blue	13,900	45
White	89,500	286

DIMENSION DRAWINGS



Dimensions in millimetres (catalogue 2027).

PRODUCT CODES

Code	Body colour	LED colour	Power	Luminous flux
AL 4065TR (WH/WW/BL)	Thermal resin (TR)	White, Warm white, Blue	15 W	1500 / 900 lm
AL 4065TR (RGB)	Thermal resin (TR)	RGB	9 W	—
AL 4065WH (WH/WW/BL)	White	White, Warm white, Blue	15 W	1500 / 900 lm
AL 4065WH (RGB)	White	RGB	9 W	—

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