

SOLAR-POWERED POOL PRODUCTS FOR RESIDENTIAL MARKETS

Developed for brands, distributors and retailers

Water Care | Surface Cleaning | Pool Lighting | Poolside Warning



BAZE SOLAR POOL PRODUCTS CATALOG 2026

Contents

Go directly to the company, product family or buyer-support section you need.

Company & Production **03**

Product Portfolio & Selection **08**

Solar Pool Ionizer **11**

Solar Salt Chlorinator **15**

Solar Robotic Pool Skimmer **19**

Solar Poolside RGB Light **21**

Solar Floating RGB Pool Light **27**

Solar Pool Warning Sign **30**

Buyer Program & Contact **33**

BAZE AT A GLANCE

Solar-powered pool products developed for brands, distributors and retailers.

BAZE combines original product development, customization, manufacturing coordination and channel support to turn product ideas into market-ready programs.

01

ORIGINAL PRODUCT DEVELOPMENT

We develop solar-powered pool products around real residential pool applications, from the initial concept to a defined product platform.

02

OEM, ODM AND DEEP CUSTOMIZATION

Projects can include structural changes, functional modules, mounting methods, finishes, accessories, branding, packaging and documentation.

03

PRODUCTION COORDINATION

Product requirements are carried through tooling, sample evaluation, assembly, functional testing and production preparation.

04

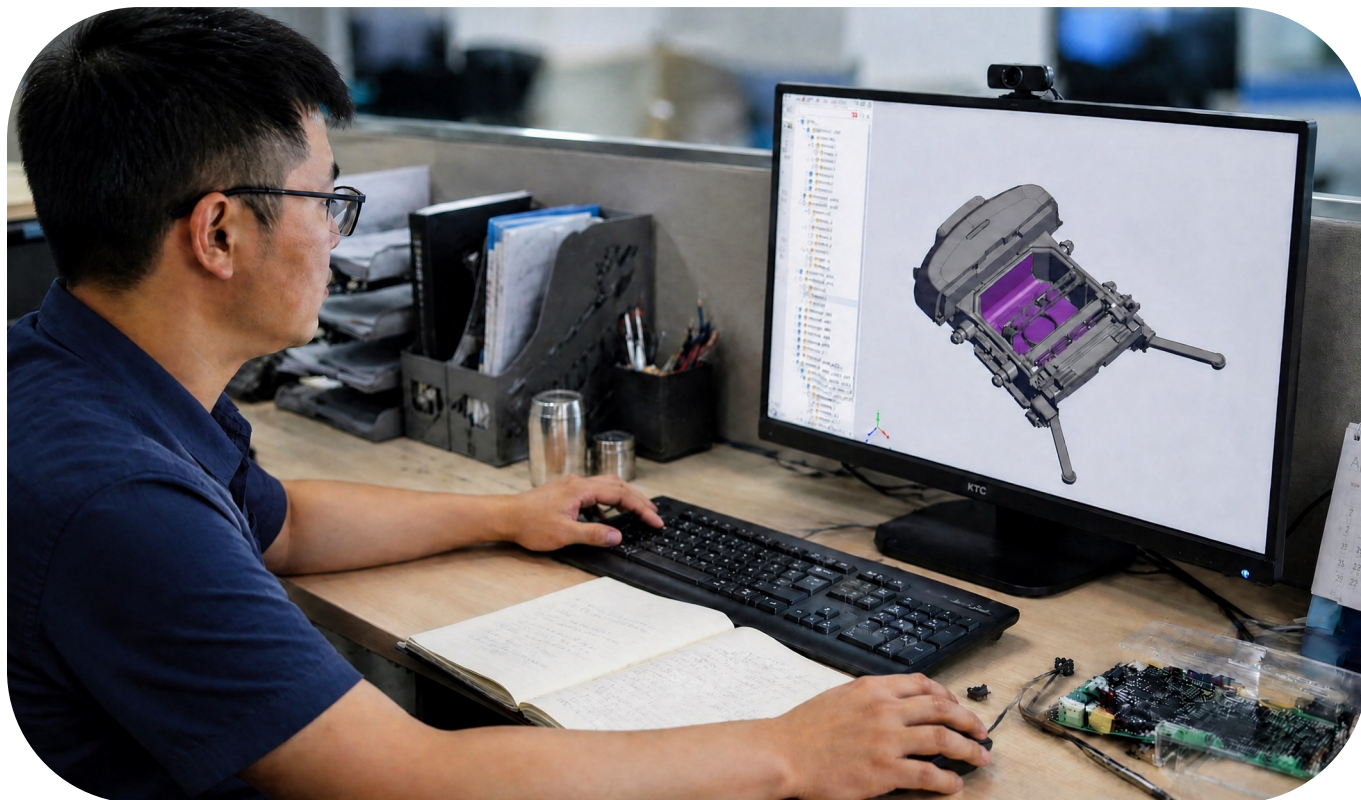
CHANNEL AND BUYER SUPPORT

We support brands, distributors and retailers with technical clarification, sample programs, product documentation and market-specific coordination.

One development partner from product concept to channel-ready execution.

FROM ORIGINAL CONCEPT TO PRODUCTION-READY DESIGN

BAZE develops its own product platforms and adapts them for customers through structural, functional and visual customization.



01 — ORIGINAL PRODUCT DEVELOPMENT

From product concept and user scenario to structure, electronics, control logic and industrial design.

02 — DEEP CUSTOMIZATION

Customization can extend beyond branding to mounting methods, functional modules, lighting and audio features, materials, finishes, accessories, packaging and documentation.

03 — DESIGN FOR MANUFACTURING

Sealing interfaces, assembly tolerances, service access and tooling feasibility are reviewed before mold release.

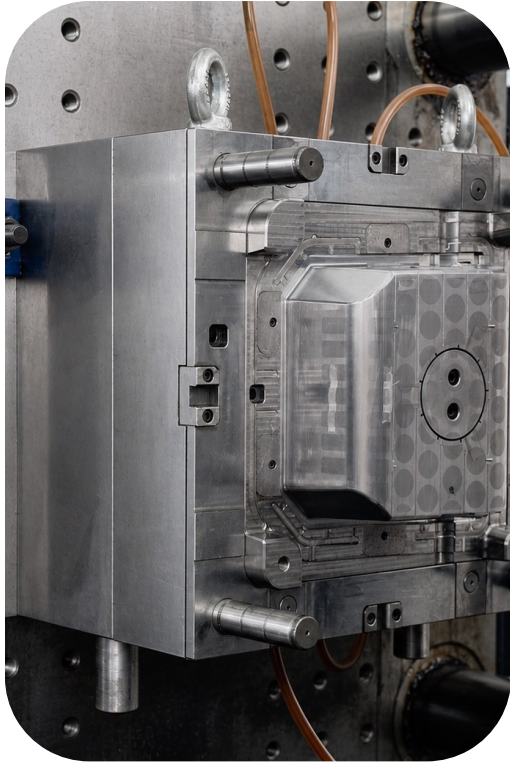
04 — SAMPLE-TO-PRODUCTION TRANSFER

Prototype assessment, sample validation and specification freeze connect product development with repeatable production.

We do not treat customization as a logo change alone. The product structure, function and buyer program are reviewed together.

TOOLING ENGINEERED FOR FIT, FINISH AND REPEATABILITY

Mold design and trial production are reviewed against the details that affect real assembly, sealing and product appearance.



Injection Mold



Trial Molding and Tool Adjustment

What We Check Before Tooling Approval

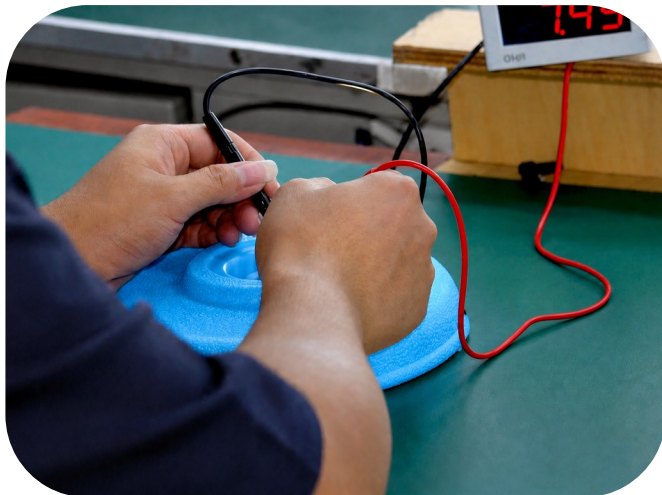
- Critical sealing surfaces, parting lines, wall thickness and assembly clearances are reviewed against the product structure.
- Trial parts are checked for deformation, surface finish, dimensional fit and repeatable assembly.
- Molding parameters and inspection points are confirmed before sample approval.

ASSEMBLY, ELECTRICAL TESTING AND FINAL PACKING

Products move through defined assembly, electrical inspection and packing steps before shipment.



Component Assembly



In-Process Electrical Test



Wiring and Soldering



Final Inspection and Packing

Key checks are performed during assembly and again before final packing.

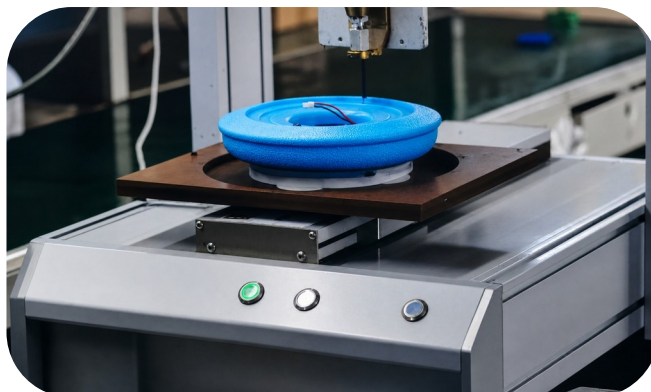
PROCESS EQUIPMENT FOR BONDING, SEALING AND PROTECTION

Dedicated equipment helps control surface preparation, resin application, solar-panel bonding and enclosure joining.



Plasma Surface Treatment

Prepares bonding surfaces before adhesive and sealing operations.



Automated Resin Potting

Controls resin application around electrical components.



Solar Panel Press Bonding

Maintains panel position and pressure during bonding.



Ultrasonic Welding

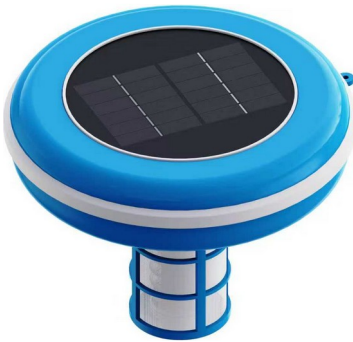
Joins plastic housings with repeatable energy and pressure.

Together, these processes improve consistency in bonding, sealing and electrical protection.

SIX PRODUCT FAMILIES FOR RESIDENTIAL POOL PROGRAMS

Select the product by pool task, then confirm the technical and channel requirements.

WATER CARE



Solar Pool Ionizer

SALT SANITATION



Solar Salt Chlorinator

SURFACE DEBRIS



Solar Robotic Pool Skimmer

MOUNTED LIGHTING



Solar Poolside RGB Light

FLOATING AMBIENCE



Solar Floating RGB Pool Light

VISIBLE WARNING



Warning Sign with Dummy Camera

MATCH THE PRODUCT TO THE POOL AND THE PROBLEM

Pool construction, water chemistry, debris, installation conditions and channel requirements determine the right product.

BUYER NEED	RECOMMENDED PRODUCT	CONFIRM FIRST
Routine salt-pool sanitation	BZ-SC652	Pool volume, salinity and free-chlorine target
Copper-ion water-care support	Solar Pool Ionizer	Copper, pH and residual-chlorine testing
Floating surface-debris collection	BZ-SK900-US	Pool shape, wind and debris workflow
Mounted pool lighting	Poolside family	Mounting surface, waterline and function
Seasonal ambient lighting	BZ-FL075-RC	Decorative use and runtime program
Visible warning and deterrence	BZ-WS060-CAM	Warning need versus monitored security

TWO WATER-CARE TECHNOLOGIES, DIFFERENT ROLES

Copper ionization helps manage algae. Salt chlorination produces chlorine from dissolved salt. Both require routine water testing and circulation.



Solar Pool Ionizer

Releases copper ions from a consumable electrode to help manage algae. Monitor copper, pH and free chlorine.

Solar Salt Chlorinator

Generates chlorine from dissolved salt. Monitor salinity, pH, circulation and free chlorine.

SOLAR POOL IONIZER: HOW IT WORKS

Solar energy drives a low-current copper-ion system for measured, ongoing water-care support.



- Copper rod functions as the consumable anode.
- 304 stainless-steel spring functions as the cathode.
- Monitor measured copper routinely; maintain routine pool chemistry.
- Monitor pH and free chlorine routinely according to the pool-care plan.
- Replacement timing depends on water chemistry, sunlight and operating exposure.

Product Configurations

Round, blow-molded and LED configurations can be evaluated according to target market, appearance and feature requirements. Model and final specification are confirmed by quotation.

BZ-CE632-BM / BZ-CE632-PRO SPECIFICATIONS AND CONSUMABLES

Blow-molded and injection-molded floating ionizer versions use replaceable copper electrodes; selected maintenance accessories are available separately.



BZ-CE632-BM — Blow Molded Version

BZ-CE632-PRO — Injection Molded Version
Replacement copper rods and water test strips are available separately.

TECHNICAL FIELD	SPECIFICATION
Product name	Solar Pool Ionizer
Model / SKU	BZ-CE632-BM
Copper rod size	20 x 80 mm
Routine monitoring	Measured copper, pH and free chlorine
Copper rod service life	Approximately 4–6 months depending on usage conditions
Service-life condition	Depends on water chemistry, sunlight exposure and operating time
Water resistance	IPX7
Consumables	Replacement copper rod, water test strips and selected accessory sets available separately

LED IONIZER CONFIGURATIONS

LED versions combine the ionizer platform with integrated RGB lighting.



BZ-CE517-RGB — Round LED Version

5 V / 0.175 A panel | 2500 mAh / 3.7 V battery | 8 RGB LEDs



BZ-CE625-RGB — Square LED Version

6 V / 0.25 A panel | 2500 mAh / 3.7 V battery | 8 RGB LEDs

Final model, housing, solar-panel and lighting specifications are confirmed for each project.

OPERATING TARGETS AND ROUTINE CARE

Use measured copper, pH and free-chlorine values to guide operation and electrode replacement.

TECHNICAL FIELD	SPECIFICATION
Measured copper	Monitor routinely
pH	Monitor routinely
Free chlorine	Monitor routinely
Copper rod service life	Approximately 4–6 months depending on usage conditions
Service-life condition	Depends on water chemistry, sunlight exposure and operating time
Routine care	Test water, clean the electrode and replace consumables as needed

The ionizer complements routine pool chemistry management; it does not replace it.

SOLAR SALT CHLORINATOR

A floating low-voltage chlorinator with solar charging, auxiliary DC charging and three output modes.



- Ru-Ir coated titanium electrode
- Approx. 2-year reference service life
- Non-user-replaceable electrode
- Current monitoring and brief reverse-polarity operation help reduce scale buildup

ELECTRODE DESIGN AND PROTECTION

The Ru-Ir coated titanium electrode is designed for an approximate two-year reference life and is not user-replaceable. Current monitoring and brief reverse-polarity cycles help reduce scale buildup.

Actual electrode life depends on salinity, water chemistry, operating mode and operating conditions.

BZ-SC652 TECHNICAL SPECIFICATIONS

Key electrical, charging and electrode specifications.



BZ-SC652

Actual electrode life depends on salinity, water chemistry, operating mode and operating conditions.

TECHNICAL FIELD	SPECIFICATION
Product name	Solar Salt Chlorinator
Model / SKU	BZ-SC652
Solar panel	6 V / 0.52 A / approx. 3.1 W
Battery	9000 mAh / 3.7 V
Auxiliary charging	9 V DC / 1.5 A
Electrode	Ru-Ir coated titanium
Electrode service life	Approx. 2 years reference
Electrode replacement	Not user-replaceable
Anti-scale management	Current monitoring and brief reverse-polarity operation help reduce electrode scale buildup
Operating modes	ECO / STANDARD / BOOST
Water resistance	IPX7

THREE OPERATING MODES

ECO, STANDARD and BOOST provide different chlorine-output levels for changing pool demand.

ECO

3.40

g per 24 h equivalent

Lower-output maintenance setting

STANDARD

5.96

g per 24 h equivalent

Balanced routine setting

BOOST

6.67

g per 24 h equivalent

Highest controlled output setting

How to Read the Output

Chlorine production in g/24 h is not the same as measured free-chlorine ppm. Actual pool results depend on water volume, sunlight, temperature, contaminants, pH, circulation and chlorine demand.

WATER CONDITIONS, MONITORING AND ELECTRODE CARE

Correct salinity, circulation and routine testing are essential to consistent chlorine production.

TECHNICAL FIELD	SPECIFICATION
Pool preparation	Balance water before operation
Salt mixing	Use pool-grade salt and circulate until uniform
Mode selection	Adjust according to measured free chlorine
Monitoring	Check free chlorine, pH and water clarity
Charging boundary	Validated solar/DC charging time is confirmed per production specification
Application boundary	Routine residential pool sanitation support

ELECTRODE CARE

Inspect the electrode and water passages periodically. The reverse-polarity program helps reduce scale buildup but does not eliminate the need for routine inspection and cleaning.

SOLAR ROBOTIC POOL SKIMMER

Collects leaves and floating debris before they sink, reducing routine manual surface cleaning.



Solar + DC Charging

Solar charging supports daily operation; auxiliary DC charging supports sample evaluation.

Surface-Debris Collection

Floating debris is guided into a removable top-access basket.

Sample Qualification

Pool shape, wind, ladders, steps and debris load should be tested before commercial specification lock.

BZ-SK900-US KEY SPECIFICATIONS

Pre-launch specification for sample evaluation. Runtime, dimensions, weight and packaging remain to be finalized.



BZ-SK900-US

Pre-launch / Sample
Evaluation

TECHNICAL FIELD	SPECIFICATION
Product name	Solar Robotic Pool Skimmer
Model / SKU	BZ-SK900-US
Status	Pre-launch / Sample Evaluation
Solar panel	Monocrystalline, 9 V, up to 1100 mA, approx. 10 W
Panel construction	ETFE
Battery	7.4 V / 9000 mAh / 2P2S
Charging method	Solar charging + auxiliary DC charging
Propulsion	Two brushless DC motors
Debris basket	Top-access, approx. 5-6 L
Filtration	1 mm main filter + 250 um fine insert
Modes	OFF / AUTO / ECO
Water resistance	IPX7

Surface-debris collection only. Final runtime, charging time, dimensions, weight and packaging are confirmed after sample evaluation.

ONE RGB BASE, TWO EDITIONS

The same adjustable structure is configured either for Bluetooth audio or for two upper white-light modules.



SHARED PRODUCT ARCHITECTURE

- Lower RGB lighting
- Adjustable body: 470-600 mm
- 130 mm adjustable travel
- IP54 upper zone / IPX7 lower zone
- Adhesive or tubular-frame clamp mount

BLUETOOTH AUDIO EDITION

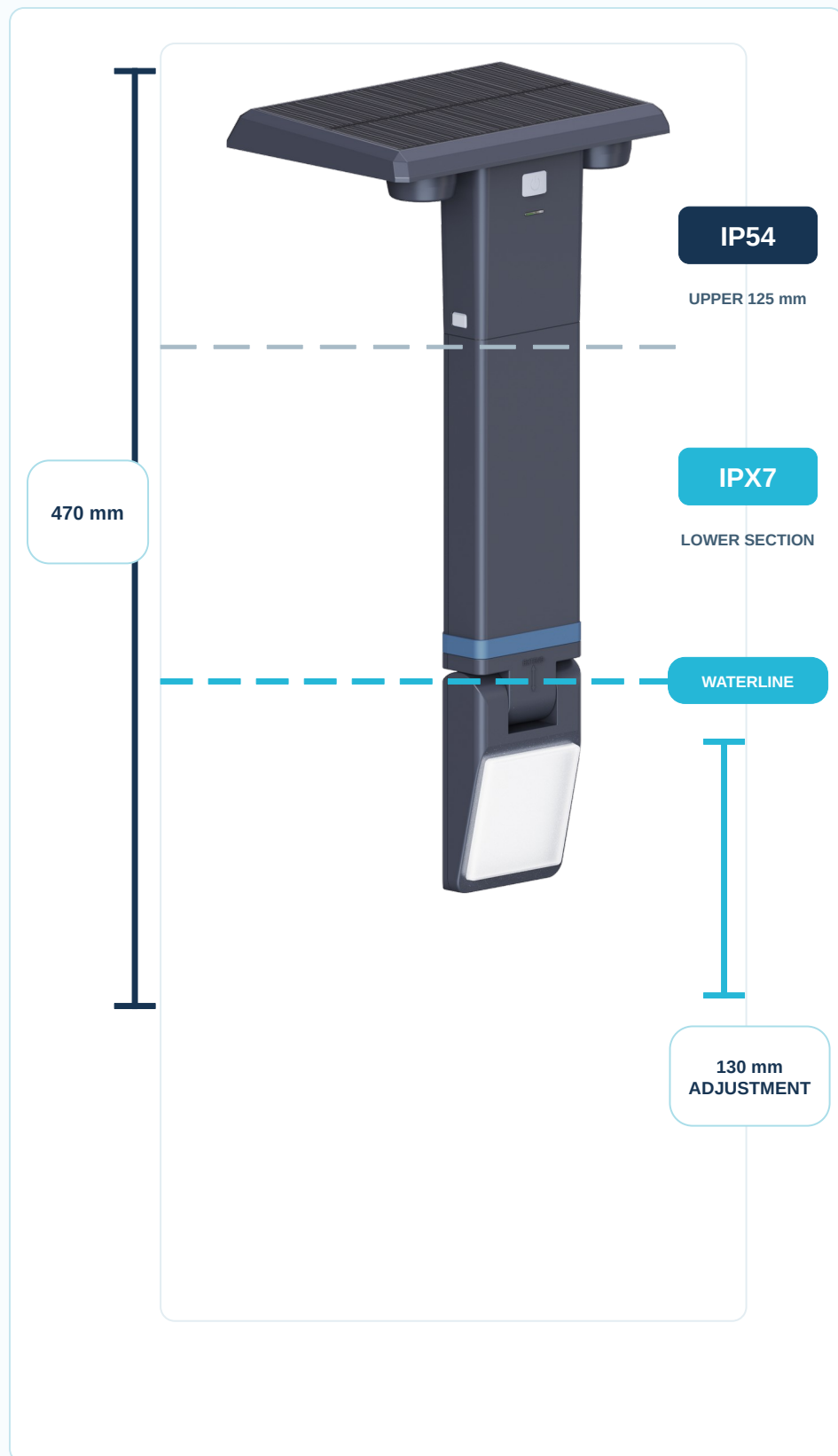
- Built-in Bluetooth audio
- Music-synchronized RGB
- Multi-unit synchronized control
- Black light-and-music remote

DUAL WHITE-LIGHT EDITION

- Two upper white-light modules
- Lower RGB ambient lighting
- Functional white light with decorative RGB
- White lighting-control remote

DIMENSIONS AND WATERPROOF ZONES

The upper 125 mm is IP54 and must remain above the waterline. The lower section is IPX7. The complete unit is not fully submersible.



WATERPROOF ZONES

Upper 125 mm to the white marker: IP54. Keep this section above water.

Below the white marker: IPX7.

INSTALLATION RULE

Place the waterline within the lower IPX7 section. The upper IP54 section stays above water. The complete unit is not fully submersible.

LENGTH ADJUSTMENT

470 mm retracted length. Pull down from the blue band for up to 130 mm of additional travel.

TWO INSTALLATION ENVIRONMENTS

Choose the mounting method according to pool construction and the selected accessory configuration.

IN-GROUND POOL

FLAT SURFACE ADHESIVE MOUNT



For suitable smooth, flat pool edges.

TUBULAR-FRAME ABOVE-GROUND POOL

CLAMP MOUNT



For compatible tubular-frame above-ground pools.

Final installation suitability depends on the pool structure, mounting surface and accessory configuration.

BLUETOOTH AUDIO EDITION

Built-in audio and music-synchronized RGB create a coordinated poolside lighting and sound experience.



BLACK 21-KEY LIGHT + MUSIC REMOTE

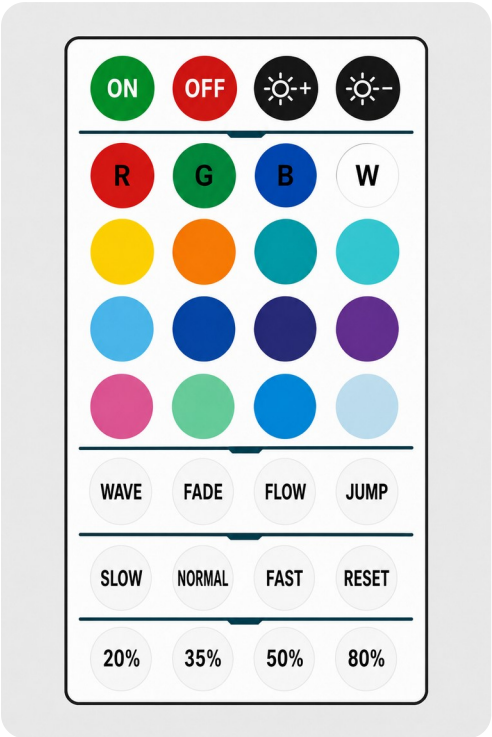
MULTI-UNIT SYNCHRONIZATION

Control up to 10 compatible units together. Under normal use, response delay is generally difficult to perceive.

- 10000 mAh battery
- Built-in Bluetooth audio
- Music-synchronized RGB
- Black 21-key light-and-music remote
- Two mounting options

DUAL WHITE-LIGHT EDITION

Two upper white-light modules provide local functional lighting; the lower RGB zone adds ambience.



WHITE-LIGHT EDITION REMOTE

Button functions follow the final confirmed configuration.

FUNCTIONAL WHITE LIGHT

Two upper white-light modules provide local illumination around the pool edge.

LOWER RGB AMBIENCE

The lower RGB zone provides decorative color below the waterline. Final control behavior is confirmed with the final configuration.



CONDITIONAL EDITION

Battery: 6000 mAh.
This edition is under final configuration review.

SKU PENDING

The final specification and formal SKU will be confirmed in writing.

CONFIRM BEFORE ORDER

Confirm the final configuration and installation conditions in writing.

TECHNICAL COMPARISON: BLUETOOTH AUDIO EDITION VS. DUAL WHITE-LIGHT EDITION

Shared platform parameters are listed once; the lower table compares only version-specific functions.

SHARED PLATFORM PARAMETERS	SPECIFICATION
Platform model	BZ-WL335-RC
Product family	Solar Poolside RGB Light
RGB base	Lower RGB lighting
Dimensions	470-600 mm overall length / 130 mm adjustable travel
Waterproof zoning	First 125 mm: IP54 / below 125 mm: IPX7
Waterline and submersion	Upper IP54 section remains above water; complete unit is not fully submersible
Mounting options	Flat adhesive / tubular-frame clamp

VERSION-SPECIFIC FIELD	BLUETOOTH AUDIO EDITION	DUAL WHITE-LIGHT EDITION
Battery	10000 mAh	6000 mAh
Added function	Built-in Bluetooth audio	Two upper white-light modules
Lighting function	Music-synchronized RGB	Functional white light + lower RGB ambience
Remote	Black 21-key light + music remote	White lighting-control remote
Multi-unit synchronization	Up to 10 compatible units	-
Response	Near-simultaneous light and music response	Independent white-light and RGB zones
Primary use	Poolside entertainment and ambience	Functional poolside lighting and RGB ambience

Multi-unit synchronization applies to the Bluetooth Audio Edition.

SOLAR FLOATING RGB POOL LIGHT

A compact decorative light for pools, ponds and other still-water features.



Solar Charging

Automatic daytime charging through the integrated solar panel.

RGB Lighting

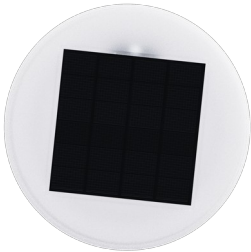
Remote control for color and lighting effects.

Programmed Runtime

Normal programmed power for four hours, followed by a 30% power-saving stage.

BZ-FL075-RC TECHNICAL SPECIFICATIONS

Compact solar charging, remote RGB control and a programmed power-saving runtime.

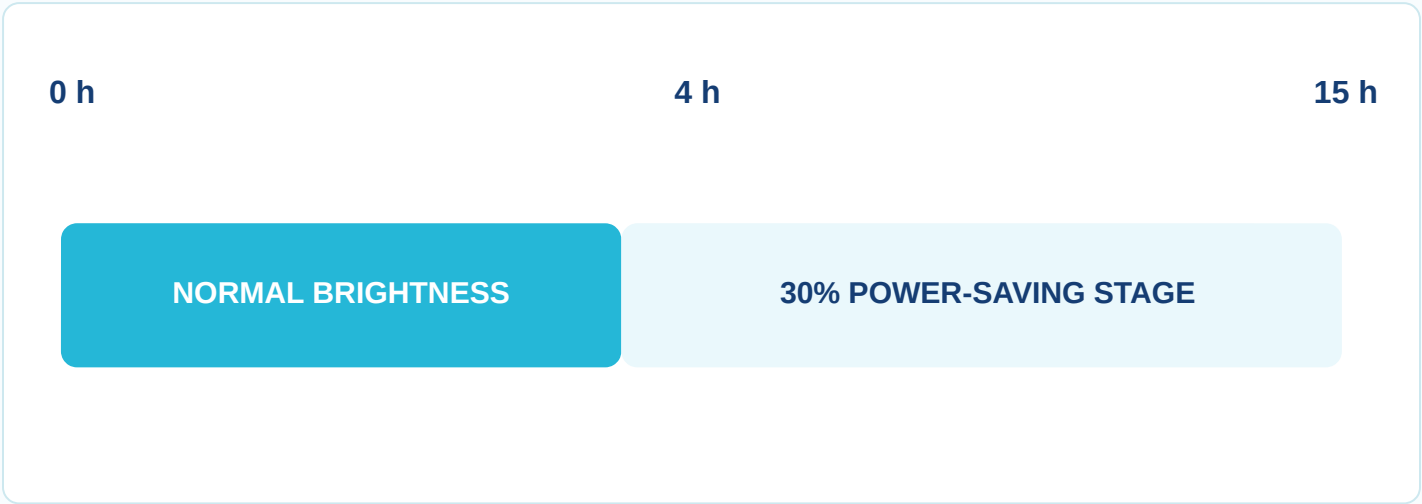


BZ-FL075-RC

TECHNICAL FIELD	SPECIFICATION
Product name	Solar Floating RGB Pool Light
Model / SKU	BZ-FL075-RC
Battery	600 mAh / 3.7 V
Light source	1 RGB LED / 0.2 W
Control	Remote RGB color and effect control
Runtime program	0-4 h normal; 4-15 h at 30%
Water resistance	IPX7
Application	Decorative floating ambience

UP TO 15 HOURS WITH PROGRAMMED POWER SAVING

The light operates at normal programmed power for four hours, then reduces to 30% power.



Runtime Reference

Up to approximately 15 hours under suitable charging and operating conditions.

Use Conditions

Runtime varies with sunlight, battery condition, selected lighting effect and operating environment.

RGB decorative lighting only. No white-light or lumen claim.

SOLAR POOL WARNING SIGN WITH DUMMY CAMERA

Solar-powered warning illumination and a visible dummy-camera housing for poolside deterrence.



BZ-WS060-CAM

- Automatic Night Warning
- Dummy-Camera Visual Deterrence
- Wall or Ground-Stake Mounting
- IPX4 Splash Protection
- Approx. 75 h Reference Runtime

Visible warning and deterrence only. This product does not record, monitor or transmit video.

VISIBLE WARNING AFTER DARK

Automatic night illumination improves sign visibility around pools, villas, hotels and holiday rentals.



Automatic Night Operation

Solar charging during the day supports warning illumination after dark.

Visible Deterrence

The red sign, dummy-camera lens and indicator light strengthen visual presence.

Outdoor Placement

Confirm mounting position, visibility and local site requirements before installation.

BZ-WS060-CAM TECHNICAL SPECIFICATIONS

Key specifications for warning illumination, mounting and outdoor use.



TECHNICAL FIELD	SPECIFICATION
Product name	Solar Pool Warning Sign with Dummy Camera
Model / SKU	BZ-WS060-CAM
Function	Automatic warning illumination
Camera	Dummy camera visual deterrent
Mounting	Wall or ground stake
Auxiliary input	DC 5 V / 1 A
Water resistance	IPX4
Reference runtime	Approx. 75 h

FROM SAMPLE EVALUATION TO PRODUCTION

A defined buyer process keeps product selection, customization, specification and production aligned.

BUYER PROCESS

01 Define the market and use case

02 Select the product and evaluate the sample

03 Confirm specification, artwork and packaging

04 Produce, inspect and ship

BAZE SUPPORT

- Original product design
- Deep customization
- OEM, ODM and private label
- Packaging and technical documentation
- Quality and compliance planning

QUALITY CHECKPOINTS

Incoming materials | Assembly and wiring | Functional testing | Final packing

MOQ, lead time, certification, warranty and customization terms are confirmed in writing for each project.

LET'S BUILD THE RIGHT POOL PRODUCT LINE FOR YOUR MARKET

Product Selection | Sample Evaluation | Customization | Production



**BAZE Intelligent Technology
(Ningbo) Co., Ltd.**

Ningbo, Zhejiang, China

www.bazepool.com

tenyo.tsai@bazepool.com

WhatsApp +86 159 6813 7862

BAZE SOLAR POOL PRODUCTS CATALOG 2026