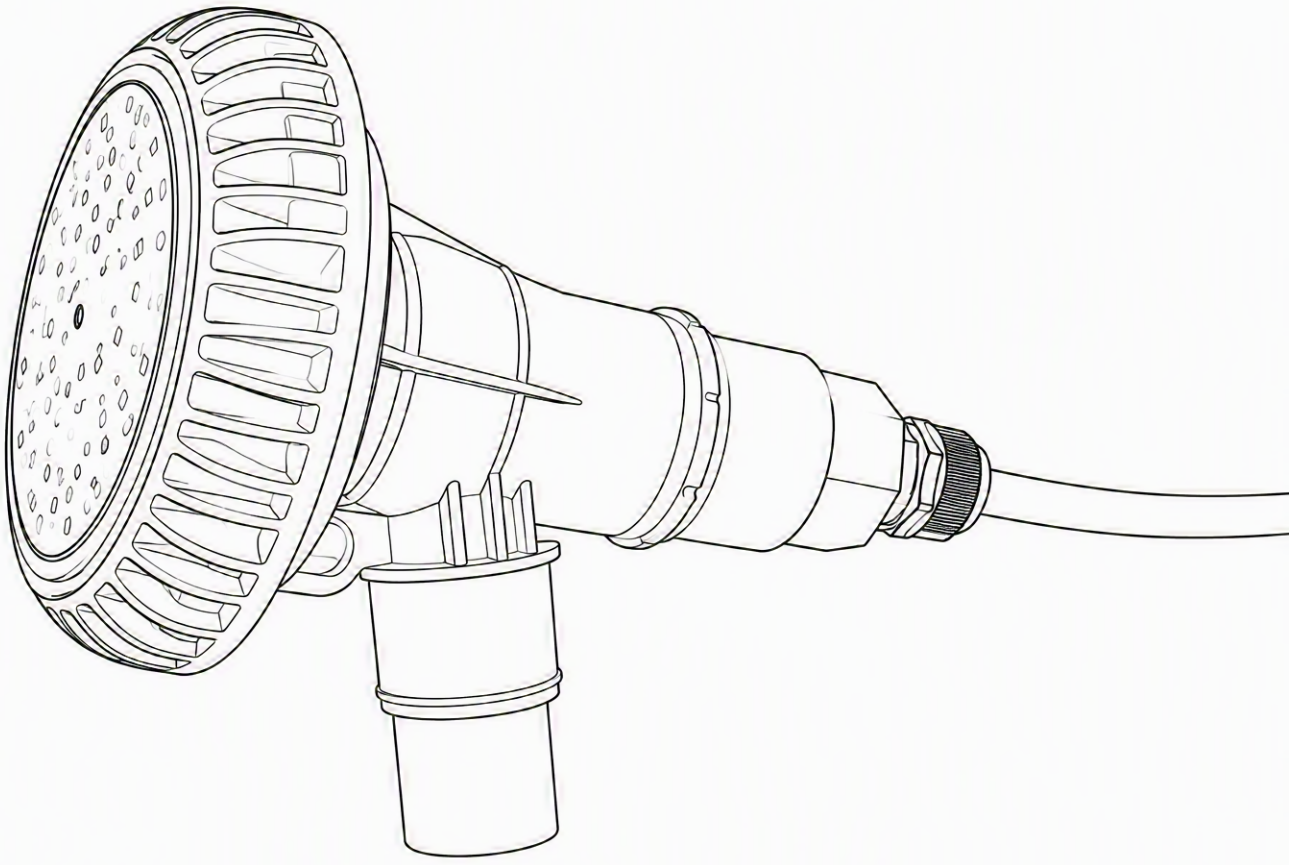
JULE™

SMART ABOVE GROUND POOL LIGHT

Technical Manual (Sales & Installation)

JULE™ Smart LED Light + Water Return (Series 01)



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Safety:

READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY.
DEFINITION OF TERMS:
All information within this manual is relevant to the safe operation and proper care of your JULE™ Smart LED Light + Water Return. Please understand the following examples of information used throughout this manual which identify and explain sequential procedure(s) to be performed.

NOTE: Provides important information related to the procedure.

SAFETY STATEMENTS: To prevent unwanted consequences.

WARNING:
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION:
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE:
Used without the safety alert symbol indicates a potential situation which, if not avoided, may result in an undesirable result or state, including property damage.

General Safety Notes:

- Always review the full manual before starting work.
- Avoid contacting electrical voltage. Never handle any electrical components with wet feet.
- Be strict about electrical safety: keep **"Transformer"** power supplies mounted, and sheltered, and follow manufacturer instructions.
- Comply with current standards regarding accident prevention.
- For supply connection, use only an isolating low voltage power supply with ungrounded output, evaluated for swimming pool use.
- IEC 364-7-702 standards must be observed: Wiring in Buildings, Special Wiring, Swimming Pools.
- Install in accordance with the installation instructions.
- People with photosensitivity may be triggered by flashing lights.
- The light is potentially hazardous if not properly installed.
- The light must be installed in conformance with Article 680 of the National Electric Code and all applicable local code requirements.
- The people in charge of installation should have required capabilities to complete the work involved in this installation.
- This manual contains important safety information which must be furnished to the end user. Failure to read and follow instructions could result in serious personal injury and /or major property damage.

- This manual provides important safety messages that alert you to the potential hazards that could harm you or others. Each safety message is identified as per icons above.
- To reduce the risk of electric shock, a Class A ground fault circuit interrupter (GFCI) must be installed in the branch circuit by a licensed electrician, and all devices in the system must be properly grounded. Do NOT use extension cord sets.
- Your safety and the safety of others are very important.

WARNING:

Plug the 3-prong plug from the **"Cable"** into an appropriate 110V/120V ground fault circuit interrupter protected receptacle that is at least 9.8 feet (3.0 meters) from the pool.
Risk of electric shock. Do not use extension **cords** for connection.

What is a GFCI:

A Ground Fault Circuit Interrupter (GFCI) is an electrical safety device designed to measure electrical leaks in a circuit. It is far more sensitive than a standard circuit breaker. GFCI breaker and outlet combinations react to unsafe leakage and shut the power off before electrical shock injury can occur. Any electrical device used within 9.8 ft (3.0 meters) of a pool must be protected by a GFCI equipped outlet.

WARNING:

- **Read and follow all instructions** before installation, operation (start-up, shutdown), maintenance, or winterization.
- **Failure to follow safety instructions may result in property damage, serious injury, or death. See Figure 1.**
- This product must be used only as intended and in accordance with these instructions. The user assumes all risks associated with improper installation or use.
- Always ensure electrical connections are installed in accordance with local codes and regulations. See Figure 2.
- **This light must be powered through a GFCI-protected outlet using the supplied low-voltage "Transformer".** The **"Transformer"** converts standard household electricity (110V/120V) down to a safe 12 volts before it reaches the water. See Figure 3.

NOTICE:

- The light must be submerged in water to be operated for extended durations (beyond 1-minute).
- The JULE™ Smart LED Light + Water Return is manufactured and designed for use with hard-walled above ground swimming pools only.
- *Any depicted directional arrows throughout this manual assume the swimming pool is to the right of the electrical panel for installation (so adjust as required based on your actual installation orientation). They are included as examples only.*

Figure 1:



Figure 2:

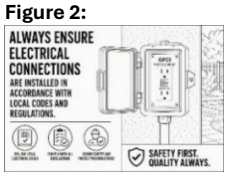
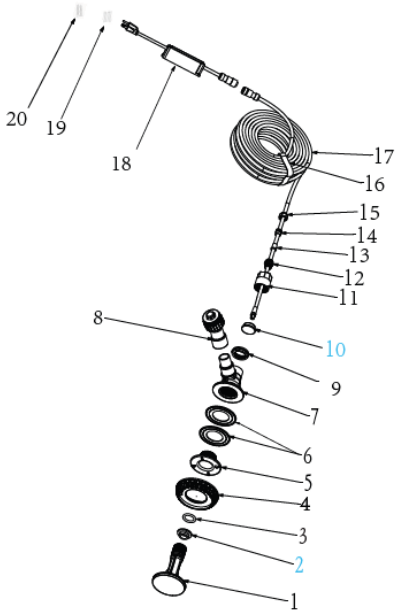


Figure 3:



+Exploded View:

Image 1:



JULE™
SMART ABOVE GROUND POOL LIGHT

JULE™ JAL01 ITEM LIST

Complete component reference for installation, service and seasonal care

Item No.	Part Description	Quantity	Notes
1	Bulb	1	
2	Winter Cap for Rear of Bulb	1	Only used for winterization
3	Bulb, O-Ring, Black	1	
4	Trim Plate (Grey or White) • Only use 1	2	Select preferred color to match pool
5	Wall Plate	1	
6	Flat Wall Gasket	2	
7	Body	1	
8	Dual Purpose Pipe and Plug Adaptor (with Cap and O-Ring)	1	
9	Compression Nut	1	
10	Winter Cap for Cable Housing	1	Only used for winterization
11	Cable Housing	1	
12	Cable Housing Bolt	1	
13	Waterproof Seal 1	1	
14	Waterproof Seal 2	1	
15	Waterproof Seal Nut	1	
16	Reusable Cable Strap	1	
17	Cable (with Joiner, Male Half)	1	
18	Transformer (with Joiner, Female Half, and Wall Plug)	1	
19	Plugs	2	
20	Screws	2	
TOTAL COMPONENT QUANTITY		24	Blue-highlighted rows are seasonal winterization components.

For assembled product (See Figure 4).

Replacement/Spare Parts:

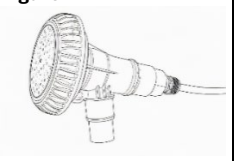
Image 2:

JULE™ JAL01 SPARE PARTS LIST & INCLUDED COMPONENTS

Replacement part reference with included assembly components

Part Number	Includes Item No.	Part Description	Quantity
SP-JAL0101	1	Bulb	1
SP-JAL0102	2	Winter Cap for Rear of Bulb	1
SP-JAL0103	3	Bulb, O-Ring, Black	1
SP-JAL0104GR (for grey one) or SP-JAL0104WH (for white one)	4	Trim Plate (Grey, or White) ***Only 1 is needed, select preferred one.	1
SP-JAL0105	5	Wall Plate	1
SP-JAL0106	6, 6	Flat Wall Gasket, Qty 2 are needed.	2
SP-JAL0107	7	Body	1
SP-JAL0108	8 (3 parts)	Dual Purpose Pipe and Plug Adaptor (with Cap and O-Ring)	1
SP-JAL0109	9	Compression Nut	1
SP-JAL0111	10	Winter Cap for Cable Housing	1
SP-JAL0112 (*Comes with 7 parts)	11	Cable Housing	1
	12	Cable Housing Bolt	1
	13	Waterproof Seal 1	1
	14	Waterproof Seal 2	1
	15	Waterproof Seal Nut	1
	16	Reusable Cable Strap	1
	17	Cable (with Joiner, Male Half)	1
SP-JAL0113 (*Comes with 5 parts)	18	Transformer (with Joiner, Female Half, and Wall Plug)	1
	19	Plugs	2
	20	Screws	2
TOTAL COMPONENT QUANTITY		23	Blue-highlighted rows are seasonal winterization components.

Figure 4:



Introduction/Features:

Introduction:
Congratulations on your purchase of the dual function JULE™ Smart LED Light + Water Return by Select Pool Products.

This manual is designed to help you install, operate, and maintain your light safely and effectively. Please read all instructions carefully before installation and use. Retain this manual for future reference. If you have questions or require support, contact an authorized JULE™ Smart LED Light + Water Return retailer or distributor, or refer to the contact information at the end of this manual.

Product Overview:

The JULE™ Smart LED Light + Water Return is an integrated LED lighting system designed specifically for permanently installed above-ground pools. It provides Plug & play design and is intended for do-it-yourself (DIY) pool owners.

The JULE™ Smart LED Light + Water Return is a dual function LED light + Return Fitting. In existing pools with a single water return, it replaces the pool return fitting (the wall fitting where clean, filtered water pumps back into the pool), with a permanent-built dual function water return and light solution. The JULE™ Smart LED Light + Water Return provides powerful, uniform in-water illumination by reusing the existing hole (without altering the pool structure). One light is typically sufficient to illuminate most above ground pools.

In situations where multiple water returns exist, the JULE™ Smart LED Light + Water Return can also be used exclusively as a light by attaching the provided **"Dual-Purpose Pipe and Plug Adaptor"**.

The JULE™ Smart LED Light + Water Return adds light and color to your above ground swimming pool for a more fun, enjoyable, and safe aesthetic lighting solution to extend evening swims.

The JULE™ Smart LED Light + Water Return uses an RGBW LED (Red/Green/Blue/White) light which works together to create hundreds of colors creating the perfect pool atmosphere. See Figure 5.

Any of the colors can be selected on the Smart Life smart phone app on Android/IOS devices. You can switch between bright white light or a stunning color display, adjust brightness, and toggle between solid colors or dynamic color shows, and even schedule shutoff time creating a welcoming glow that transforms your backyard into a nighttime oasis. See Figure 6.

The **"Trim Plate"** features a specialized hollow housing that contains flow channels that allow filtered water from your pump to flow into the pool. At the same time, the waterproof LED light **"Bulb"** assembly sits securely inside directly over this water path, projecting light outward into the pool. See Figure 7.

Figure 5:

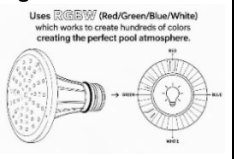
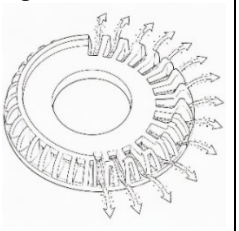


Figure 6:



Figure 7:



Key Advantages:

- Bright RGBW illumination with up to 439 lumens of output (photo parameters, flux).
- Clean, tidy, built-in appearance. See Figure 8. Comes with grey and white color **"Trim Plates"**.
- Creates a modern, high-end pool appearance.
- Designed for long-term durability with minimal maintenance.
- Durable UV-resistant construction for long service life up to 30,000 hours.
- Easy seasonal removal and winterization.
- Eliminates safety risks associated with exposed internal pool cables as used by certain competitor products.
- Enhances nighttime pool safety and visibility!
- Maintain water circulation while adding lighting functionality.
- Provides vibrant, uniform underwater illumination.
- Quick-connect plug-and-play installation.
- Safer low-voltage operation (12V system).
- Smartphone control through Wi-Fi or Bluetooth connections.
- Uses existing return opening. **No drilling required.**

Features:

- 31.49 ft (9.6. m) power **"Cable"** for flexible installation.
- Adjustable directional flow for optimized circulation.
- Compatible with bromine, chlorine, saltwater, and UV maintained pools. See Figure 9.
- Compatible with most hard-walled above-ground pools with standard hole size of 2 – 2 1/8" (50.8 – 53.975 mm) for New Holes (via Hole saw or punch), or 2 – 2 3/8" (50.8 – 60.325 mm) for Existing Holes.
- Durable, waterproof, shock-resistant PVC construction.
- Easy removal for winterization.
- Energy-efficient LEDs with long lifespans of up to 30,000 hours.
- Integrated LED light and water return assembly.
- Low-voltage 12V system with outdoor **"Transformer"**.
- cETLus tested for safety compliance. The waterproof connector carries a UL 514B Standard for Conduit, Tubing, and **"Cable"** Fittings / CSA C22.2 No. 18.3-12 Standard for Conduit, Tubing, and **"Cable"** Fittings. These are waterproof test standards.

NOTE: ***This product is not compatible with soft-sided above-ground pools.***

What's Included:

The JULE™ Smart LED Light + Water Return system includes:

- 12 V DC Power Adapter.
- Bluetooth and Wi-Fi connection.
- JULE™ Smart LED Light + Water Return RGBW LED Pool Light.
- Quick-Connect **"Cable"** System.
- Smart App Compatibility (Smart Life App).
- Grey and White **"Trim Plate"**.

Figure 8:

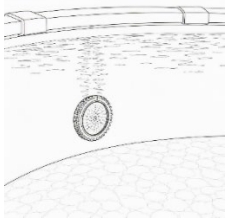
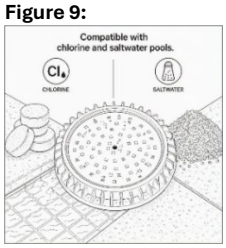


Figure 9:



- **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring), if using as light only, it creates a water stop. If using as a light + water return, it works with multiple industry standard hose fitting types.

NOTE: The JULE™ Smart LED Light + Water Return system is controlled through the Smart Life App. No separate remote control is included, nor required.

Lighting & Control Options:

- 4 static colors mix to create a spectrum of hundreds of colors.
- 20 color-changing programs.
- 3 play modes.
- Custom color creation and scheduling features.
- Music reactive behavior.
- Scheduling/timing options.
- Smartphone-based control (iOS and Android compatible) via Smart Life app.
- You can control the settings, such as switching between solid white, static colors, or changing light shows.

How It Works:

The dual function JULE™ Smart LED Light + Water Return combines water circulation and lighting into a single, efficient system:

1. Integrated Water Flow:

For existing pools, the JULE™ Smart LED Light + Water Return replaces your pool's return jet. Its internal design allows filtered water to flow freely back into the pool while housing a sealed LED light that illuminates the water.

2. Safe Low-Voltage Power:

- The light connects to an included **12V DC "Transformer"**, which reduces standard household voltage (110–120V) to a safe level. The **"Transformer's"** power **"Cable"** runs from the Wall Plug to a low-voltage outdoor **"Transformer"** and then to the back of the **"Bulb"** using tool-less quick connect systems.

WARNING:

- The **"Transformer"** must always be connected to a **GFCI-protected outlet**.
- Power components should be kept sheltered from the elements and installed according to the manufacturer instructions.

3. Adjustable Circulation & Lighting:

- Built-in directional outlets allow you to control water flow (down or to side away from skimmer) for optimal circulation, creating a gentle vortex pattern.
- LED lighting can be controlled via app.

Installation Overview:

- Easy to install, typically with no drilling required.
- For existing pools, remove the existing pool return fitting.
- Install the JULE™ Smart LED Light + Water Return assembly using provided gaskets to ensure a watertight seal.
- Adjust directional flow as desired.

- Connect the power **“Cable”** to the **“Transformer”** and plug into a GFCI outlet.

WARNING:

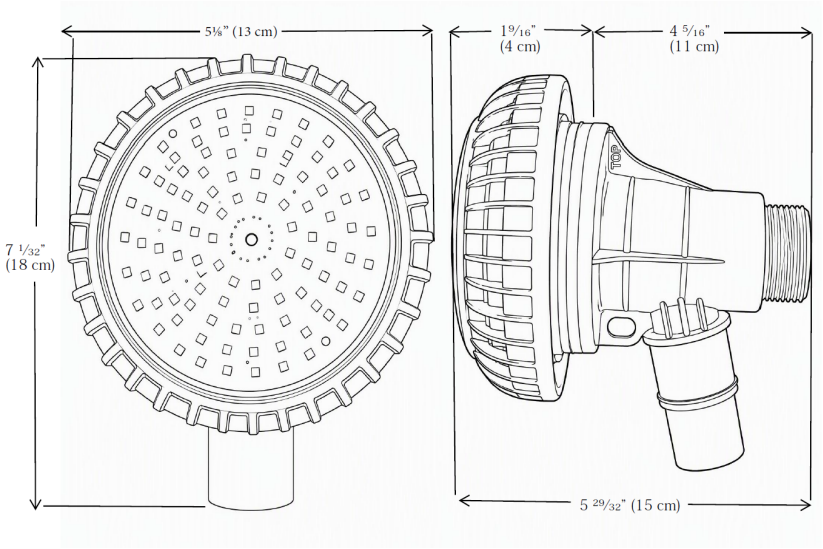
Important:
All electrical installation should be performed in accordance with local electrical codes. If you are unsure, consult a licensed electrician.

Specifications:
Compatibility: Standard above-ground 2 – 2 1/8” (50.8 – 53.975 mm) for New Holes (via Hole saw or punch), or 2 – 2 3/8” (50.8 – 60.325 mm) for Existing Holes.

- **“Cable”** Length included: 31.49 ft (9.6 m).
- Power Supply included: 110–120V input with 12V DC **“Transformer”**.

Bill of Materials & Drawing & Parts Description:

Image 3:



For assembled product (See Figure 10).

Inspection & Unpacking:

UNPACKING:
Open the product box with adequate care ensuring to leave components intact.
Any/all externally listed container specific markings must be followed.
Remove any packing material and carefully lift the product(s) from the container. See Figure 11.

Note for Distributors: All shipping and packaging materials provided should be used (when space permits to do so) for product storage.

Goods Inspection:

Figure 10:

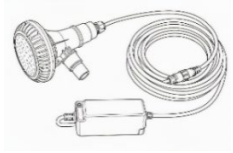
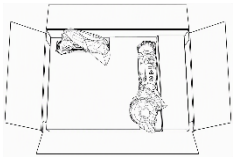


Figure 11:



Care must be given to do a thorough visual inspection of all goods received in a timely manner. Any damage or missing components expected that relate to mishandling during transit should be noted to carrier or purchasing location immediately. Items that are damaged during shipment fall under the liability involved with quoted incoterms. If damage is observed, file a claim with the relevant freight carrier or purchasing location immediately (as applicable). Refer to Select Pool Products Terms and Conditions for Sale for our full warranty policy.

Note for Distributors:

Preparation for Shipment:

JULE™ Smart LED Light + Water Return products are normally shipped from the factory in a combination of boxes, crates, or on skids (size & model dependent). Product packaging (when customer intends to ship to an additional location) must be completed in a manner to protect against deterioration and physical damage during transit and storage.

Any/all special shipping conditions must be reviewed by Select Pool Products for compliance at time of quotation & be clearly defined in writing. Such instructions also need to be of a quality standard such that they adequately protect goods during transport, & goods during site storage requirements.

Note for Distributors:

Storage & Handling:

NOTICE:

Short-Term Storage:

Defined as within 3 months of order receipt. All products must be kept indoors in the original packaging in a moderate temperature range (defined as between 32°F and 85°F) (0°C and 29.4°C). General guidelines for short- and long-term storage:

- Do not leave packaged lights outdoors or exposed to the elements/sunlight.
- Do not stack unpacked lights on top of each other.
- Keep any/all protective covers (i.e. light **"Bulb"** front sticker) to protect against damage from dust, dirt, etc. attached until product is ready for use. See Figure 12.

NOTICE:

Long-Term Storage:

Defined as greater than 3 months after order release. All lights must be kept in a clean, dry, fire-resistant, flood-resistant, temperature-controlled, and adequately ventilated, storage facility.

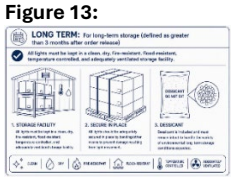
All lights should be adequately secured in place by banding/other means to prevent damage resulting from light movement.

A desiccant is included to assist with environmental storage conditions for long-term storage situations. See Figure 13.

Figure 12:



Figure 13:



NOTICE:
Outdoor Storage:
Where outdoor storage is a necessity, special crating can be provided, at an additional charge, but must be quoted before the order has been placed. Periodic checks on lights in storage are required to ensure all conditions listed above have been met.
Transportation of all packaged goods should be carried out in accordance with relevant site & territory safety regulations.

Tools Required:

- Large Adjustable Pliers (for use on seized **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) if required).
- Screwdriver, Phillips-Head (for use when Mounting **"Transformer"**). See Figure 14.

CAUTION:
Personal protective equipment such as eye/foot protection is recommended when installing lights, to protect installers from any environmental hazards that may exist. See Figure 15.

Pre-Installation Checklist:

CAUTION:
In existing pools, we recommend lowering the water level below your current jet prior to installation. See Figure 16.

NOTICE:
Power-On Verification:
Before installation, connect the light to a suitable power source and verify that it illuminates. Allow the light to remain powered for approximately **10 seconds** to confirm proper operation. This brief test is intended only to verify that the light powers on and is functioning correctly prior to installation. See Figure 17.

CAUTION:
Temporary Power "Cable" Removal:
Once the power-on verification is complete, disconnect the power **"Cable"** and set it aside in safe dry location. Reconnect the power **"Cable"** only after the light assembly has been fully completed.

WARNING:
Risk of electric shock. Disconnect power before servicing this unit. Failure to disconnect power can result in death or serious injury. See Figure 18.

For customers seeking a strong underwater glow for nighttime swimming, return jet lighting provides wide light distribution and a cleaner concealed wire installation. JULE™ Smart LED Light + Water Return products feature a sealed housing and high-

Figure 14:

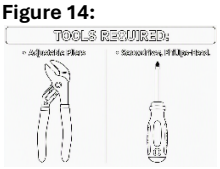


Figure 15:



Figure 16:

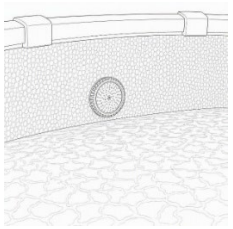


Figure 17:

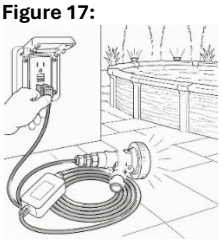
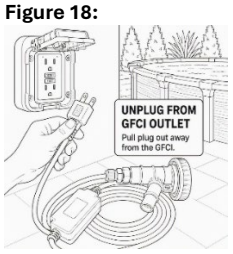


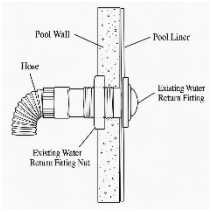
Figure 18:



quality LED module designed to deliver reliable, consistent illumination season after season.
The JULE™ Smart LED Light + Water Return can be installed in either of the following methods:

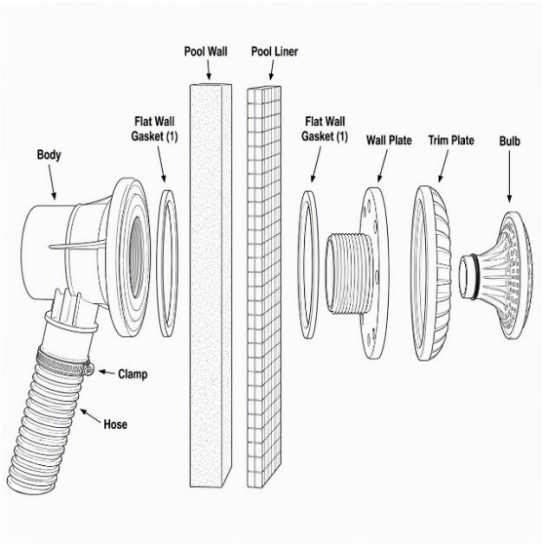
Existing Water Return Only Installations (prior to replacing with JULE™ Smart LED Light + Water Return). See Figure 19.

Figure 19:



Light + Return Installations. Connecting via water hose to Body of light directly.

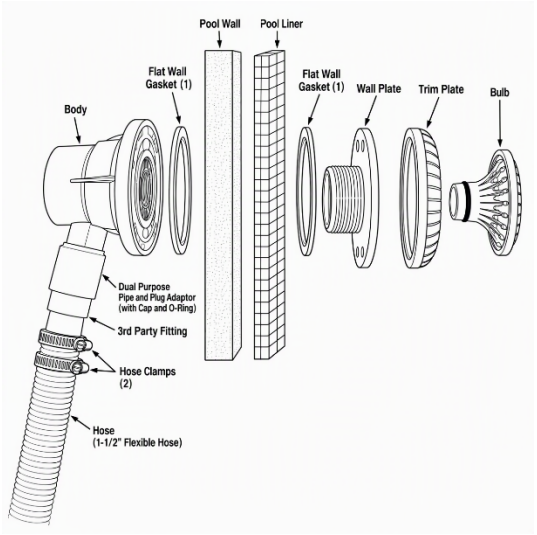
Image 4:



Or

Light + Return Installations. Connecting via water hose to Dual-Purpose Pipe and Plug Adaptor.

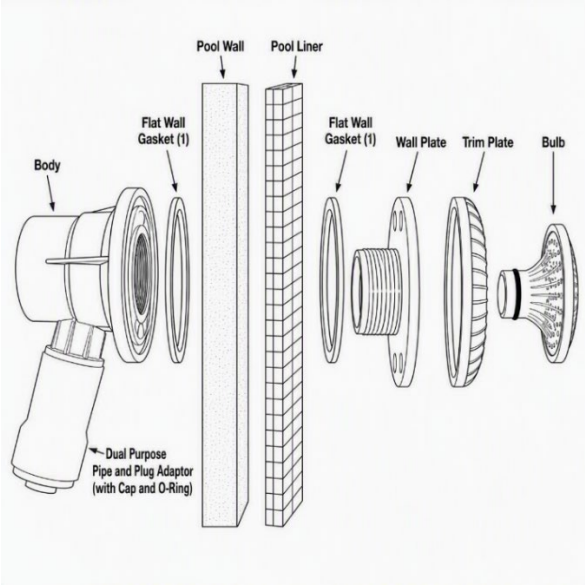
Image 5:



***See Image 8 on Pg. 25 for more details about use of Dual-Purpose Pipe and Plug Adaptor-to- 3rd-party fitting options.

Light Only Installations. Connecting via Dual-Purpose Pipe and Plug Adaptor (without hose).

Image 6:



Installation Guidelines:

Selecting the Light Location for New Pool Installation:

- If the primary patio, deck, house, or seating area is on one side of the pool, place the light on that side of the pool facing the primary viewing area.
- The light beam should shine away from swimmers and toward the far wall.
- This prevents people on the deck from looking directly into the light.

Single-Light Installation:

- Position is approximately midway along the longest wall of the pool.
- Install top of lens at least 7.9 inches (200 mm) below the normal waterline but must still be easily accessible from the upper edge of the pool.
- Aim the light across the pool rather than toward the pool top.

Two-Light Installation (For larger pools):

- Install lights on the same long wall.
- Keep both lights facing away from the viewing area.
- Space them evenly at approximately 1/3 and 2/3 of the pool length.

Avoid These Locations:

- Corners (creates shadows and uneven light spread).
- Directly opposite the deck or seating area where people will look into the light.
- Near steps, ladders, skimmers, or return fittings if they obstruct the light beam.
- Very shallow-end locations if the deep end needs illumination.

Additional Professional Tips:

- Choose areas that are within **"Cable"** reach of GFCI.
- Choose areas that do NOT create **"Cable"** trip hazards.
- Consider the main nighttime viewing angle first.
- For oval pools, mounting on the long sidewall generally provides the most even coverage.
- If the pool has a deck on one side and open yard on the other, place the light on the deck side shining away from the deck.
- Keep lights accessible for future service.

Safety Information:

WARNING:
Read Before Installation:

- Install and position this light only in accordance with these installation instructions.
- Improper installation may create a hazardous condition and could result in property damage, serious injury, or death.
- This light must be installed in accordance with **NFPA 70 Article 680 of the National Electrical Code (NEC)** and all applicable local electrical and building codes.
- To reduce the risk of electric shock, a **Class A Ground Fault Circuit Interrupter (GFCI)** must be installed on the branch circuit by a qualified, licensed electrician.
- Ensure all electrical equipment and components within the system are properly grounded.
- **Do not use extension Cords** to power this product.

Pool Preparation (Review Prior to Every Assembly and Disassembly):

NOTICE:
Before beginning the installation (on existing pools):

- Verify that the pool water level is at least **1 inch (25 mm) below the return opening** in the pool wall. See Figure 20. For new pools verify pool liner is completely installed, and wall has been punched with 2 – 2 1/8" (50.8 – 53.975 mm) hole. For existing holes 2 – 2 3/8" (50.8 – 60.325 mm) is ok.
- Disconnect the water inlet hose from the existing inlet fitting before handling or installing the light.

Figure 20:

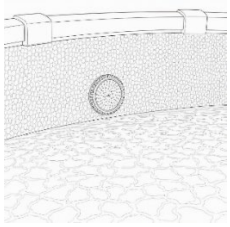


Image 7:

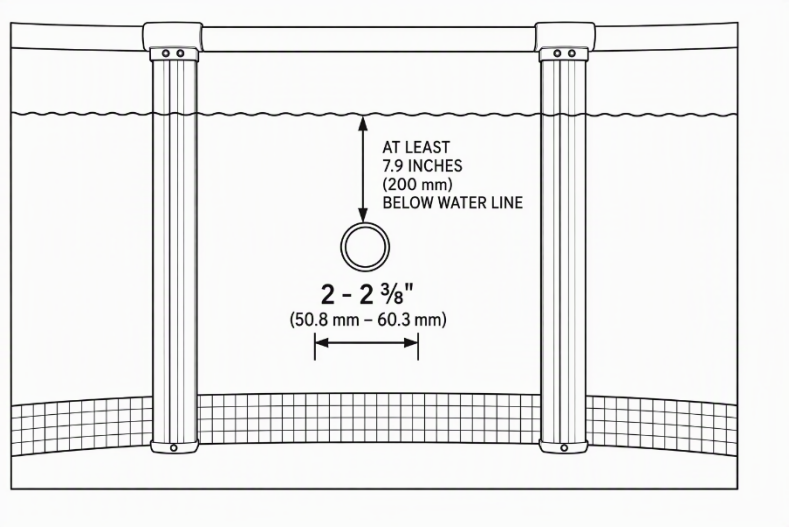


Figure 21:

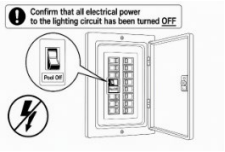
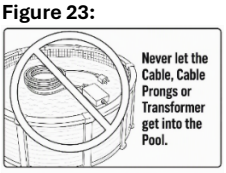


Figure 22:



Figure 23:



WARNING:

Heads-Up:

Confirm that all electrical power to the lighting circuit has been turned OFF. See Figure 21.

NOTICE:

Before starting installation, check that the full **"Cable"** length provided will meet the needs of the install application, including appropriate space to mount the **"Transformer"** box under covered area up on wall. We recommend fully opening **"Cable"** and laying it out. ***It is not recommended to use extension cords for this product.

Please adjust pool location (or desired fitting location) to suit product **"Cable"** length limitations. ***Use of extension cords will void warranty. See Figure 22.

WARNING:

Never let the **"Cable"**, **"Cable"** Prongs or **"Transformer"** get into the Pool. See Figure 23.

Important Operating Requirements:

- The light is designed to operate **only when fully submerged in water** and securely installed in the pool wall.
- The surrounding water (at standard temperatures) provides the cooling required for proper operation.
- **Do not operate the light out of water for more than 1 minute**, as overheating may occur and could damage the light.

NOTICE:
For existing installations, and when removing your existing return, it is recommended to drain your water at least 1 inch below the lowest point of the return cutout. Attempting to remove the water return in a pool filled with water can lead to liner complications.

CAUTION:
Low water conditions (for extended period of time) can damage the light fixture.

For new installations (without existing return fitting), ensure to use the preferred 2 – 2 1/8" (50.8 – 53.975 mm) hole diameter (via Hole saw or punch). Note, existing holes sized between 2 – 2 3/8" (50.8 – 60.325 mm) are usually acceptable (if in doubt, call for technical support prior to cutting). Holes should be installed centered between supports (when viewed from the inside of the pool). This is most applicable for narrow, interlocking, extruded aluminum wall panels, with center flange between the ridges. See Figure 24.

CAUTION:
For existing pools, turn off the pump (if not already powered down by electrical panel breaker being off) before starting installation. See Figure 25.

NOTICE:
O-Ring: Use only silicone lubricants (not petroleum lubricants).

NOTICE:
Remember that only authorized manufacturer parts are recommended for use with this product and can be sourced through your local purchasing channel.

Initial Assembly:

Note that your product will arrive fully assembled as necessitated for Select Pool Products' final quality check inspection process. You will be required to disassemble and reassemble the product at your above ground pool.
(Skip steps 1-3 if setting up a new pool that is not filled with water).

STEP 1:
For existing pool installations remove existing pool wall return fitting collar and directional eyeball. See Figure 26.

NOTICE:
Pull apart eyeball (always follow original manufacturers' recommendations for this).

STEP 2:
For existing pool installations remove the eyeball seat. See Figure 27.

Figure 24:

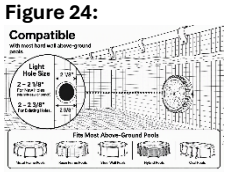


Figure 25:

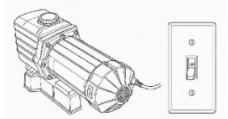


Figure 26:

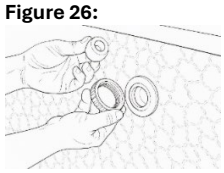
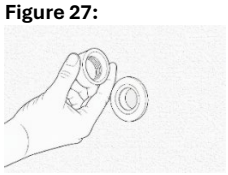


Figure 27:



A Hayward Eyeball Seat Removal Tool SP1419T (not included) or similar tool may be needed to remove the eyeball seat. See Figure 28. Always follow original manufacturer recommendations.

STEP 3:
For existing pool installations completely remove the inlet fitting. At this point, the 2 – 2 1/8" (50.8 – 53.975 mm) for New Holes (via Hole saw or punch), or 2 – 2 3/8" (50.8 – 60.325 mm) for Existing Holes in your pool wall is all that remains. See Figure 29.

You are now ready to install your JULE™ Smart LED Light + Water Return.

****We recommend watching the YouTube installation video here that applies to your current setup step:**

- Initial Assembly = XXX.
- Installation, Smart Application Control = XXX.
- Disassembly Instructions and Winterization = XXX.
- Reassembly Instructions for Springtime = XXX.
- Troubleshooting, **"Bulb"** Replacement = XXX.

For new pools, ensure hole has been cut out to specifications.

Visuals are very helpful to understand and complete the process well. You can take your time, take one step at a time, pause the screen, ensure it looks right, and advance at your own pace. These videos and any posted phone connection guide, or simplified visal installation guide are not a substitute for reading this manual.

NOTICE:

STEP 4:
Put hand on **"Body"** to hold secure, rotate the **"Waterproof Seal Nut"**, counter-clockwise until loose (approximately 7 turns +/-). See Figure 30.
*Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 5:
Pull **"Waterproof Seal, Part 2"** backwards away from **"Cable Housing."** See Figure 31. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 6:
Pull **"Waterproof Seal, Part 1"** backwards away from **"Cable Housing."** See Figure 32. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 7:
Put hand on **"Body"** to hold secure. Remove **"Cable" Housing"** by turning counterclockwise (approx. 7 turns) until removed. Pull backwards away from **"Body."** See Figure 33. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

Figure 28:



Figure 29:

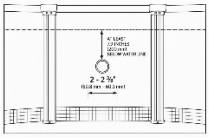


Figure 30:

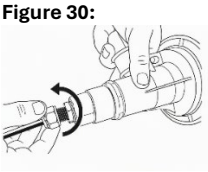


Figure 31:

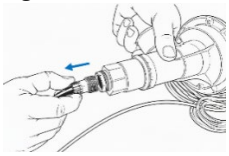


Figure 32:

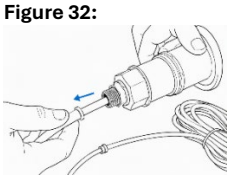
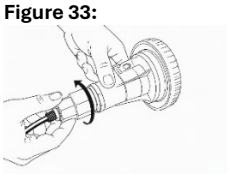


Figure 33:



STEP 8:
Grab head of "Cable" and pull it back away from **"Body"**. An audible vacuum sound will be heard as it releases the seal.

Take note as part is removed that there is only one way to re-connect the **"Cable" later**. See Figure 34. Leave **"Cable"** sitting loose through the **"Cable Housing"**. See Figure 35. The head of the **"Cable"** features an embossed arrow logo showing where the connector slot must be aligned. The back end of the light **"Bulb"** also has a black plastic track that must engage with **"Cable"** slot. See Figure 36. This ensures (a.) alignment, (b.) facilitates full depth connection, and (c.) aligns pins for connection strength. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 9:
Remove **"Compression Nut"** by turning it counter-clockwise until removed. See Figure 37. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 10:
The next task is to remove the **"Body"** from the **"Bulb"**. Note this connection is friction fit and designed to be tight fitting. Light force will be required to remove this part.

Place the **"Bulb"** on a flat clean, dry, soft surface (ensuring the plastic light scratch cover remains on the front of **"Bulb"** to prevent scratching).

Face the unit with **"Bulb"** lens facing down to table. See Figure 38.

NOTICE:
Use thumbs of both hands to push down on rear of **"Bulb"** while simultaneously pulling up on **"Body"** with other fingers. It will require light force and will begin to slide. Fully remove part. See Figure 39. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 11:
Move the **"Bulb"** (with **"Cable"** connection facing up) together with **"Trim Plate"** to side for now. See Figure 40.

STEP 12:
Hold the **"Body"** with one hand. With the other hand rotate the **"Wall Plate"** using any of the 4 attached thumb tabs counterclockwise until the part is completely loosened and removed. See Figure 41. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 13:
Between the **"Body"** and **"Wall Plate"** are 2 **"Flat Wall Gaskets"**. Note the **"Flat Wall Gaskets"** are unidirectional. They are designed so that the raised inner ring on both **"Flat Wall Gaskets"** faces away from pool. They are designed to be

Figure 34:

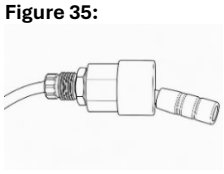

Figure 35:


Figure 36:

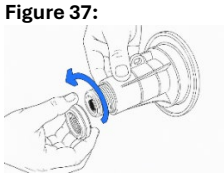

Figure 37:


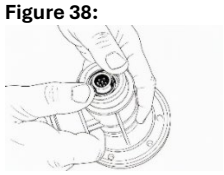
Figure 38:


Figure 39:

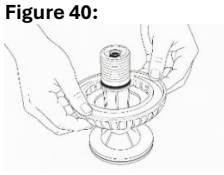
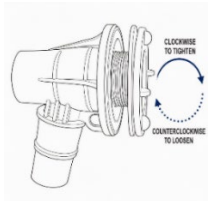

Figure 40:


Figure 41:


immediately placed on both sides of the above ground pool, to provide the highest level of watertight design. You can separate these now and put them to side. See Figure 42. *Check both parts condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 14:
You can now pull the **"Trim Plate"** up and off the **"Bulb"**. See Figure 43.

Please leave the black **"Bulb, O-Ring"** attached to the **"Bulb"** (unless part is damaged). This is a tight-fitting part that is set by the manufacturer.

All parts have now been successfully removed. Your disassembled product should look like this. See Figure 44.

CAUTION:
STEP 15:
Turn off the pump (if not already powered down by electrical panel breaker being off) before starting installation. See Figure 45.

STEP 16:
Locate **"Wall Plate"**. See Figure 46.

NOTICE:
STEP 17:
Use Teflon thread seal tape (not provided). Snugly wrap the threaded wall flange in a clockwise direction (as viewed from the back) starting at the edge of the threads (farthest from the flange), then work towards the flange lip (overlapping 1/2 of the tape width with each wrap) then back towards the starting point. See Figure 47.

Figure 42:

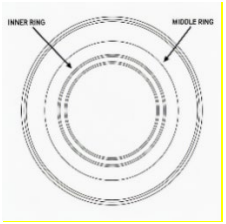


Figure 43:

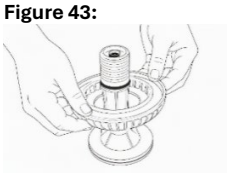


Figure 44:



Figure 45:

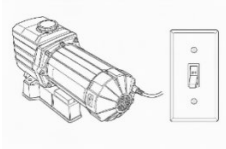


Figure 46:



Figure 47:

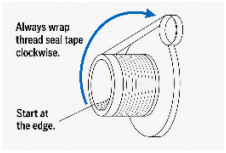
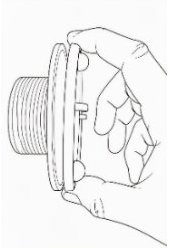


Figure 48:



STEP 18:
Put 1 **"Flat Wall Gasket"** over the threaded portion of the **"Wall Plate"** on the inside of the pool (See Figure 48). Note **"Flat Wall Gaskets"** are unidirectional. They are designed so that the raised inner ring on both **"Flat Wall Gaskets"** faces away from pool. Turn the unit sideways so that the **"Flat Wall Gasket"** sits flush against the flange end and insert the threaded end of the **"Wall Plate"** into the hole in the pool wall (where the return fitting used to be on an existing pool). See Figure 49.

STEP 19:
Join the (**"Wall Plate"** with one **"Flat Wall Gasket")** from inside of the pool to the (**"Body"** with other **"Flat Wall Gasket")** on the outside of the pool wall. See Figure 50. Note **"Flat Wall Gaskets"** are unidirectional. They are designed so that the raised inner rings on both **"Flat Wall Gaskets"** faces away from pool.

STEP 20:
Verify that once the **"Wall Plate"** joins the **"Body"** it looks like Figure 51. Verify that the pool liner is between the 2 clear **"Flat Wall Gaskets"**.

STEP 21:
Orient the inlet port of the **"Body"** to the 3 o'clock position on the outside of the pool (See Figure 52). Hand-tighten the **"Wall Plate"** as tight as possible on the inside of the pool.

To complete the tightening process, hold the **"Wall Plate"** in place inside the pool and rotate the **"Body"** on the outside of the pool until the Hose Inlet port of the **"Body"** is in the 6 o'clock position. See Figure 53.

From the inner pool wall side, double check that the **"Wall Plate"** is turned clockwise hand tight and make sure the Hose Inlet Port of the **"Body"** assembly on the **"Body"** faces down.

NOTICE:
***Double check that one Flat Wall Gasket is on the outside of the pool protecting the **"Body-to-Outer Pool wall Connection"**.

***Double check that one Flat Wall Gasket is on the inside of the pool protecting the **"Wall Plate-to-Inner Pool Wall Connection"**. Once confirmed proceed to next step.

STEP 22:
Place light **"Bulb"** face down (ensuring scratch protection sticker is still on) and slide the desired color of **"Trim Plate"** (grey or white) to match your pool appearance. Only one **"Trim Plate"** is required. The rear of the **"Bulb"** should face up. See Figure 54.

You should be able to see the **"Bulb"** rear **"Cable"** connection. Pick up the two pieces holding **"Trim Plate"** flush with front wide part of **"Bulb"** (best to push one finger in middle of **"Bulb"** while holding back of **"Trim Plate"**). See Figure 55.

Figure 49:

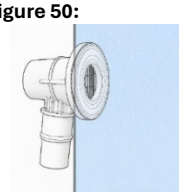

Figure 50:


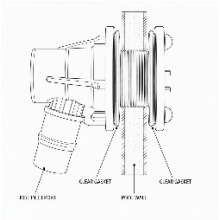
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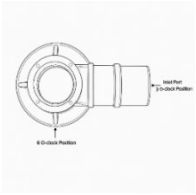
Figure 52:


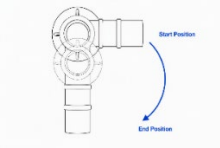
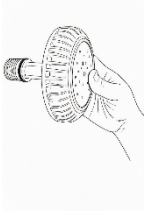
Figure 53:


Figure 54:


Figure 55:


CAUTION:

STEP 23:
Insert the rear of the **“Bulb”** through the **“Wall Plate”** completely, applying light force. See Figure 56.

STEP 24:
Ensure the **“Trim Plate”** rests against the inside pool wall, then push the **“Bulb”** through with two fingers in the center of the **“Bulb”** to distribute the weight. Fully engage seating by pushing from the front of the **“Bulb”** on inner pool wall with one hand, while pulling at back of **“Body”** from outer pool wall until connection is tight to wall on inside and outside of pool wall (See Figure 57).

NOTICE:

STEP 25:
Your assembly should look like this from inside the pool. See Figure 58.

STEP 26:
Put the **“Compression Nut”** onto the back of the **“Bulb”** assembly to fully engage the assembly together. Thread clockwise until lightly hand-tightened. See Figure 59.

NOTICE:
Do not overtighten. ***Please note the **“Trim Plate”** is designed to openly rotate, so ensure this can spin freely. The reason is that almost half the **“Trim Plate”** is filled with redirection holes so that the water can still flow through and rotate to desired flow direction anytime with a simple rotation of the **“Trim Plate”**. See Figure 60. If it is tight, correct it by loosening the **“Compression Nut”** at the back of the **“Bulb”**. Install should look like this so far (See Figure 61).

STEP 27:
“Cable” assembly. **“Cable”** should now be assembled to the **“Bulb”** rear 5-pin connection. The head of the **“Cable”** features an embossed arrow logo showing where the connector slot must be aligned. The back end of the **“Bulb”** also has a black plastic track that must engage with **“Cable”** slot. Ensure the **“Cable”** is pushed fully down. A small connection sound will be heard if done properly. See Figure 62.

CAUTION:
This ensures (a.) alignment, (b.) facilitates full depth connection, and (c.) aligns pins for connection strength. ***This is critical to making the watertight connection.

Figure 56:

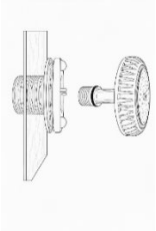


Figure 57:

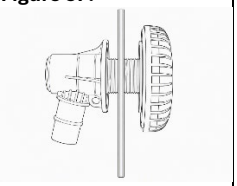


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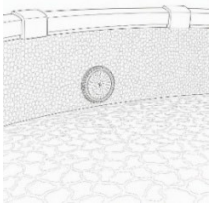


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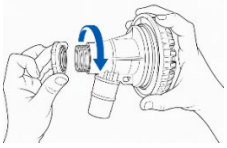


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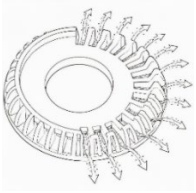


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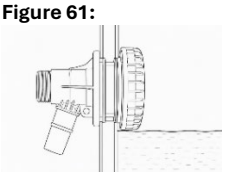
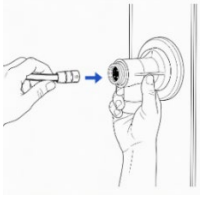


Figure 62:



Next Parts to Assemble are as follows. See Figure 63.

STEP 28:
Slide the **“Cable Housing”** up the **“Cable”** to the back of the **“Bulb”** then fully rotated clockwise until hand tightened. See Figure 64.

NOTICE:
Do not overtighten.

STEP 29:
Slide the **“Waterproof Seal, Part 1”** up the **“Cable”** to the rear of the **“Cable Housing.”** Note, the **“Waterproof Seal 1”** should have a wider lip on the **“Bulb”** side. See Figure 65.

Gently push the wide part of the **“Waterproof Seal 1”** inside the black plastic threaded nut. Once it sits centered, fully insert the seal until it bottoms out creating a watertight seal. Take note: the lower half of the **“Waterproof Seal 1”** will sit out over **“Cable”**. See Figure 66.

STEP 30:
Slide the **“Waterproof Seal, Part 2”**, up the **“Cable”** over the **“Waterproof Seal, Part 1”** just installed and fully into the black plastic threading on the back of the **“Cable Housing”**. See Figure 67.

This 2-part seal will hold **“Cable”** and seal system in place centrally while locking together.

STEP 31:
Slide the **“Waterproof Seal Nut”** up the **“Cable”** and over the just assembled Waterproof Seal Parts 1 and 2. Rotate clockwise until hand tightened. See Figure 68.

NOTICE:
Do not overtighten.

STEP 32:
The Joiner on the **“Transformer”** should come fully assembled from factory (See Figure 69). You can verify waterproof connections at this point.

There are 3 nuts. It is best to verify they remain hand-tightened clock-wise from their respective orientation. See Figure 70 for verification.

NOTICE:
Do not overtighten.

CAUTION:
This ensures it is seated to engage watertight connection.

Figure 63:

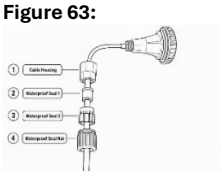


Figure 64:

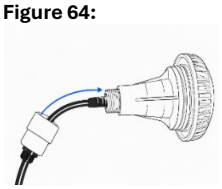


Figure 65:

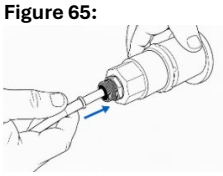


Figure 66:

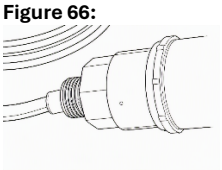


Figure 67:

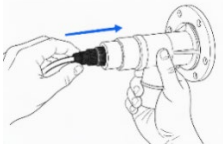


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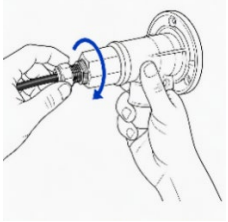


Figure 69:

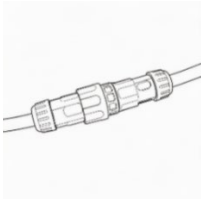
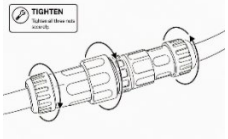


Figure 70:



CAUTION:

STEP 33:

The full length of 31.49 ft (9.6 m) **"Cable"** can now be fully opened. See Figure 71. Undo Velcro strap (leaving it attached to the **"Cable"** for reuse every open and close season).

Lay the **"Cable"** out carefully to the end destination ensuring it in safest way possible to avoid creating any trip hazards.

Read the following instructions before connecting the plug to GFCI power outlet. See Figure 72.

NOTICE:

STEP 34:

It is recommended (where practical to do so) that the (a.) Joiner between **"Transformer"** and **"Bulb"**, and the (b.) **"Transformer"** itself, are all fully located under a weather protective cover and mounted via 2 screws in the provided **"Transformer"** housing. See Figure 73.

Before mounting, take note of the included QR codes on front or side of **"Transformer"**. Ensure this sticker remains accessible. If the intention is to mount the **"Transformer"** in a location where the QR sticker is hidden against the wall, then ensure the QR Code is scanned for either (a.) Smart Life, or (b.) Tuya Smart phone applications prior to mounting. See Figure 74.

WARNING:

***Please note the **"Transformer"** box must remain sealed/closed. It is a factory-made product, and its safety and certification rely on its closure. It is ultrasonically welded to prevent water intrusion. Any modification to the **"Transformer"** will void the warranty.

NOTICE:

It is recommended (where practical to do so) to leave some slack on the **"Cable"** near where it is mounted. It is recommended to mount the unit so that a screw secures the **"Transformer"** in each of the 2 available holes provided with the appropriate Phillips screwdriver.

STEP 35:

For tidy, appearance, we recommend the use of the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) fitting, which is secured in place using an outdoor rated PVC cement (not included). See Figure 75. See how it connects to the light. See Figure 76.

The **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) can be used for light-only installations (see STEP 35.1) ***or for Light + Return (skip to STEP 35.2):

Figure 71:

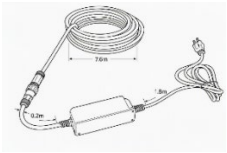


Figure 72:

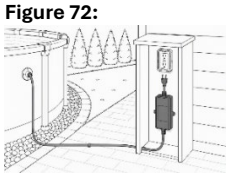


Figure 73:

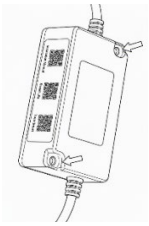


Figure 74:



Figure 75:

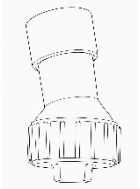
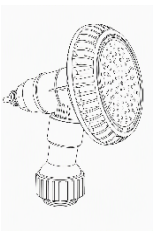


Figure 76:



STEP 35.1:

Installation Type 1/Light-only installations:

(where included water return function will not be used).

Unscrew the Cap and O-Ring from the **"Dual-Purpose Pipe and Plug Adaptor."** See Figure 77. Place the Cap to the side for now in a clean dry environment. See Figure 78.

Apply the PVC cement to the inner upper non-threaded portion of the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring). Slide the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) top (non-threaded internal side) up flush to the top of the **"Body"** inlet port and hold/clamp in place for recommended dry time. See Figure 79 and Figure 80.

NOTICE:
Ensure the orientation is as pictured (See Figure 76) so that the bottom of the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) angle creates a vertical Hose drain (to avoid trapping water).

Use only appropriate PVC cement such as:

- Weld-On® 705™ PVC Medium bodied fast setting low VOC PVC cement.
- Weld-On® 747™ Pool 'R Spa™ Medium bodied fast setting low VOC PVC cement.
- Weld-On® 725™ Wet 'R Dry™ Medium bodied fast setting low VOC PVC cement.
- Or equivalent.

NOTICE:
Ensure to follow PVC cement manufacturer listed dry times.
Ensure the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) Cap is hand tightened clockwise, so no water will leak from this fitting during seasonal use.

STEP 35.2:

Installation Type 2/Light + Return installations:

(where included water return functions will be used).

Unscrew the Cap and O-Ring of the **"Dual-Purpose Pipe and Plug Adaptor."** See Figure 81. Place to the side for now in a clean dry environment. See Figure 82.

Apply the PVC cement to the inner upper non-threaded portion of the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring). See Figure 83 and Figure 84.

Apply the cement to the inner upper non-threaded portion of the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring).

Figure 77:



Figure 78:

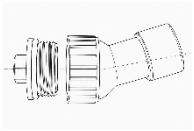


Figure 79:



Figure 80:

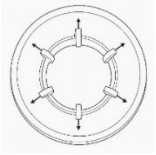


Figure 81:



Figure 82:

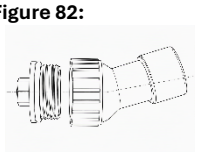
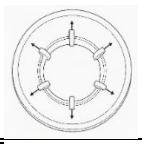


Figure 83:

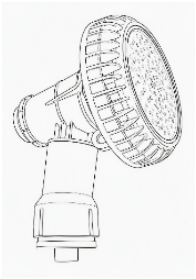


Figure 84:



Slide the top of the **"Dual-Purpose Pipe and Plug Adaptor"** (non-threaded internal side) up flush over inlet port of the **"Body."** See Figure 85. Hold/clamp in place for recommended dry time.

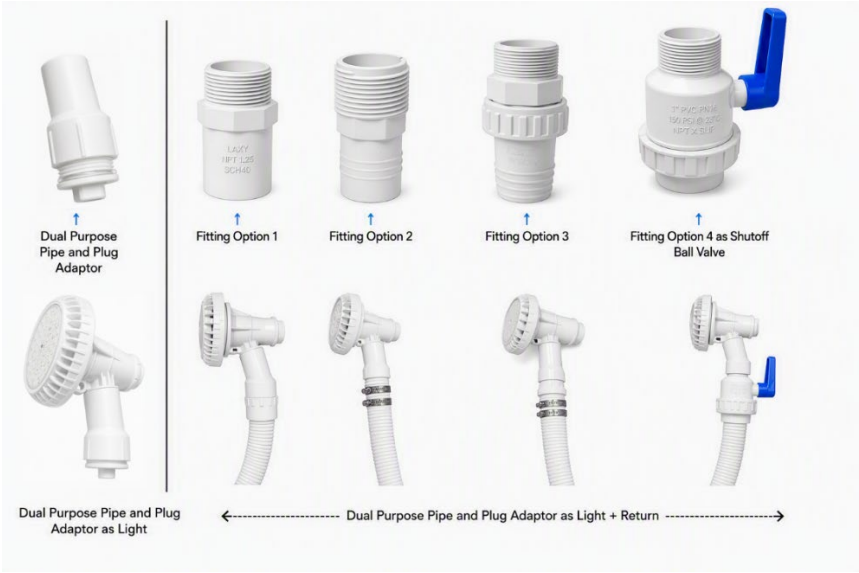
Figure 85:



NOTICE:
Ensure the orientation is as pictured (see Figure 85) so that the bottom of the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) angle creates a vertical Hose drain (to avoid trapping water).

Install approved desired 3rd party (non-included) fitting from below example list:
The picture shown is simply meant to show the flexibility of fitting adaptors that can be used with JULE™ Smart LED Light + Water Return. This allows a professional grade finish and ultimate on-site flexibility to installers.

Image 8:



Fitting Descriptions:
Image 9:

JULE™ PLUMBING CONNECTION OPTIONS

Fitting, hose, clamp and shutoff valve options

Options	Component	Description / Specification
Option 1	Fitting 1	1 1/2" Male Adapter MIPT X SLIP
	Hose	The Tiger Flex Cream Hose is an excellent alternative to rigid piping. Use the Tiger Flex Cream Hose with recommended primers and PVC cements.
Option 2	Fitting 2	1 1/2" Threaded Male X 1 1/2" Hose
	Clamp	Hose Clamp - 12.7MM Band 1 - 2 (25-51MM) (201SS)(Yellow Zinc Screw)
	Hose	The Tiger Flex Cream Hose is an excellent alternative to rigid piping. Use the Tiger Flex Cream Hose with recommended primers and PVC cements.
Option 3	Fitting 3	ABS Quick-Connect Adaptor 1 1/2" Male Threaded X 1 1/2" Barbed
	Clamp	Hose Clamp - 12.7MM Band 1 - 2 (25-51MM) (201SS)(Yellow Zinc Screw)
	Hose	The Tiger Flex Cream Hose is an excellent alternative to rigid piping. Use the Tiger Flex Cream Hose with recommended primers and PVC cements.
Option 4	Shutoff Valve	1 1/2" PVC S.U. Ball Valve MIP X SKT
	Hose	The Tiger Flex Cream Hose is an excellent alternative to rigid piping. Use the Tiger Flex Cream Hose with recommended primers and PVC cements.

Use only appropriate PVC cement such as:

- Weld-On® 705™ PVC Medium bodied fast setting low VOC PVC cement.
- Weld-On® 747™ Pool 'R Spa™ Medium bodied fast setting low VOC PVC cement.
- Weld-On® 725™ Wet 'R Dry™ Medium bodied fast setting low VOC PVC cement.
- Or equivalent.

NOTICE:
Ensure to follow PVC cement manufacturer listed dry times.
Ensure the **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) Cap is stored safely in a clean, dry location in case you intend to use in future as a light only.

NOTICE:
Note these parts should be plumbed with easy access drain for winterization somewhere along the hose line as per general industry best practice.

STEP 36:
Raise the water level to the appropriate level for your pool. See Figure 86. Test for leaks before use.

STEP 37:
Plug the light into the outdoor rated GFCI plug. See Figure 87.

STEP 39:
Turn on relevant electrical panel breaker. See Figure 88.

Installation, Smart Application Control:

At first use, the Smart Life smart phone app must be paired to the light, following these instructions. Note this is a third-party app, and exact steps may change as they roll out software updates.

Smart Life App Setup:

- **Download the Smart Life App (or the Tuya Smart app)** from the Apple App Store® or Google Play™ Store. See Figure 89.
- **Choose Your Connection Method:**
- **Wi-Fi Connection (Recommended):** Use Wi-Fi when a strong and stable signal is available in the pool area.
- **Bluetooth Connection:** Use Bluetooth if the Wi-Fi signal is weak or unreliable in your backyard.
- **Connect the Light to the App:**
- Before controlling the JULE™ Smart LED Light + Water Return, you must first pair and connect it within the Smart Life App.
- For color-changing models, all color selections, lighting effects, and custom color combinations are controlled through the Smart Life App after the light has been successfully connected.

Figure 86:

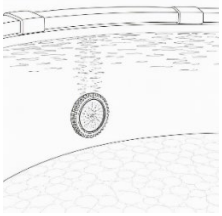


Figure 87:

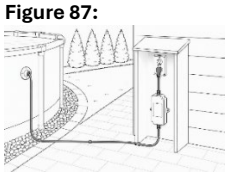


Figure 88:

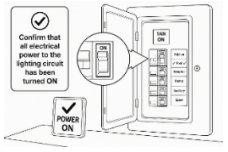


Figure 89:



Smart App Features:

- Control and customize your pool lighting directly from the **Smart Life App** using your smartphone or tablet.
- **Customizable Programs** – Create and save your own personalized color combinations and lighting sequences.
- **Full RGBW LED Technology** – Enjoy a complete color spectrum plus a dedicated **Pure White** LED for bright, crisp white illumination.
- **Hundreds of Color Options** – Select from an extensive range of vibrant colors to create the perfect pool ambiance.
- **Music Sync Mode** – Lights can respond to music, creating dynamic effects that move with the beat.
- **Pre-Programmed Light Shows** – Choose from a variety of built-in color-changing effects and lighting scenes.

Download the "Smart Life" or "Tuya Smart" APP from the App store or Google Play store (See Figure 89).

HOW TO CONNECT:

Wi-Fi & Bluetooth Connection:

To automatically add devices, the app must be granted Wi-Fi and Bluetooth permissions. Only 2.4 GHz Wi-Fi networks are supported.

1. Add Device.
2. Discovering devices and click "add".
3. Select 2.4 GHz Wi-Fi Network and enter password. Click "+" to add the device. If Step 3 worked, skip to step 9.
   If it did not complete automatically, proceed to steps 4-7.
4. If device does NOT auto connect, we can join manually by following a particular set of instructions. Hit "+" in top right corner of screen.
5. "Add Manually" Tab.
6. Under "Lighting" select "Light Source"
   - We need to factory reset bulb to get it into entering setup mode. Bring the Light and the Phone being using to connect to a plug close to your internet router. Follow the below exactly. We are doing this until we get light to breathe, signifying it has entered setup mode. Plug light in for 10 seconds.
   - Then we are going to do up to 10 **sequences** of:
   - **Unplug for 4 seconds + Plug in for 4 seconds.**
   - Once light starts to breathe, go to phone, JULE logo should appear. Hit "Add" button. Follow steps, selecting desired Wi-Fi network.

Pro-Tip: Select the Wi-Fi network for the light that has the strongest signal where the pool will go, and remember the phone being used to control the light must also be on the same Wi-Fi network to function.

- On occasion the password for the Wi-Fi network needs to be entered multiple times. Ensure the light and phone are near each other and the router (with no obstructions between).
- Once device is added you can add "Device Name" such as "JULE Light 1", and then set the "Room" as desired such as "Backyard".

- Toggle ON "Show on Home" so the light is pinned to your Smart Life/Tuya Home Screen.

7. Click "Done" to add successfully.
8. Get into the control interface.

GENERAL CONTROLS:

Main Control, Search Bar:

The text box with microphone at the bottom of the screen controls both:

1. Typed requests.
2. Voice controls.

This section is not required and is controlled by a separate 3rd party paid app for "Hey Tuya" which allows A.I. functionality to interpret written or spoken requests in common language and applies reasoned action. The reality is this function is not needed, and we discourage customers from purchasing this additional functionality unless they require voice functionality, as the standard free app itself is simple and intuitive to use. If you wish to pay for the additional subscription as you use this as a whole home control center, do so now.

Main Control, 4 Tabs:

1. Home (Select color (White or Color) and Adjust Brightness).
2. Scene (Select from 20 preset Scenes, which are custom light patterns), or create your own with DIY "+" functionality.
   Even preset scenes can be adjusted by saving with preferred name, adjusting dynamic effect between breathe, flash, or static, and control the speed %, and adjusting color and brightness. Use the "Preview" function prior to saving to ensure you are happy with the creation.
3. Music: Choose from
   i. "Music Rhythm", where lights dance in color patterns to the music/audio the paired phone detects.
   ii. "Game" where lights dance in bright game-like color patterns to the music/audio the paired phone detects.
   iii. "Romantic" where lights dance in romantic color patterns to the music/audio the paired phone detects.
4. "Setting" select schedule by
   i. Toggle "Countdown" switch to on, then select desired time to turn off lights by scrolling to desired number of hours, and or minutes, then hit confirm.
   ii. Hit "+" set "timer", "sleep aid lighting", or "wake up lighting". Set with action (turn on/off), gradual dimming (on sleep aid lighting), gradual brightening (wake up lighting), execution cycle (everyday, once, or custom), you can activate toggle "Execution Notification", or add "Remarks" (timer).

Powering On:

Toggle switch "Switch' to quickly turn light on or off.

Selecting Color:

Tabs "Colour" controls ability to customize color of choice from spectrum. Color being selected will illuminate the (a.) upper right color wheel, and (b.) brightness bar with the item being used.

Quick select from Red, Green, Blue by selecting small color circle above color spectrum rectangle.
If using the color spectrum rectangle, move your finger around until you find a color you like. If you want to add a favored color as a preset, select the "+" button atop the color spectrum rectangle.
Tabs "White" controls ability to customize white.

Adjusting Brightness:
"Brightness" bar can be adjusted between 1% (dimmest) to 100% (brightest). Control to personal preference or adjust based on if numerous lights are in the same pool.

CREATING A GROUP:
Grouping Multiple Lights:

- If your pool has more than one light installed, you can create a **Group** within the Smart Life App.
- Grouping allows all lights to operate together and remain synchronized when changing colors, effects, brightness, or schedules.

If you have bought additional lights, unbox them one at a time and replicate the same complete process in the Smart Life app, as per above with only changes as to remember to name each additional light sequentially "JULE Light 2", and "JULE Light 3" etc. so they are easy to identify.
If you intend to have 2 or more lights in the pool, and want to sync them to work in alignment, follow these instructions:

1. Go into one light from Home screen, click ellipses "..."
2. Click "Create Group"
3. Under "Devices to be Added" tap green "+" to change it to a red "-". This moves the second light to be joined up into the first lights group network. If you have additional lights add them the same way.
4. Click "Save"
5. Enter the Name click "Save." i.e. "JULE Group" and ensure room that auto populates is correct, i.e. "Backyard".
6. Group created successfully.
7. Get into one of the controllers click "..."
8. Click ""
9. Click "Confirm"
10. Rename successfully.
11. You can rename the devices for pool and garden.

TROUBLESHOOTING:
Question: Why is my Wi-Fi not working.
Answer:

1. Ensure the phone controlling the light and the light itself are on the same Wi-Fi network.
2. Ensure you are within range of your Wi-Fi network. If operating far from house, is a Wi-Fi network range extender set up to ensure there is reliable speed to this location. If this is not in place, consider connecting by Bluetooth connection only.

Step 1: Download the app

Search for **Smart Life** or **Tuya Smart**, or use the links below.

- Download for iPhone from the App Store
- Download for Android from Google Play

Image 10:



Step 2: Check the requirements

- Allow the app to use **Wi-Fi** and **Bluetooth** so it can find your light automatically.
- Use a **2.4 GHz** Wi-Fi network. 5 GHz networks are not supported.

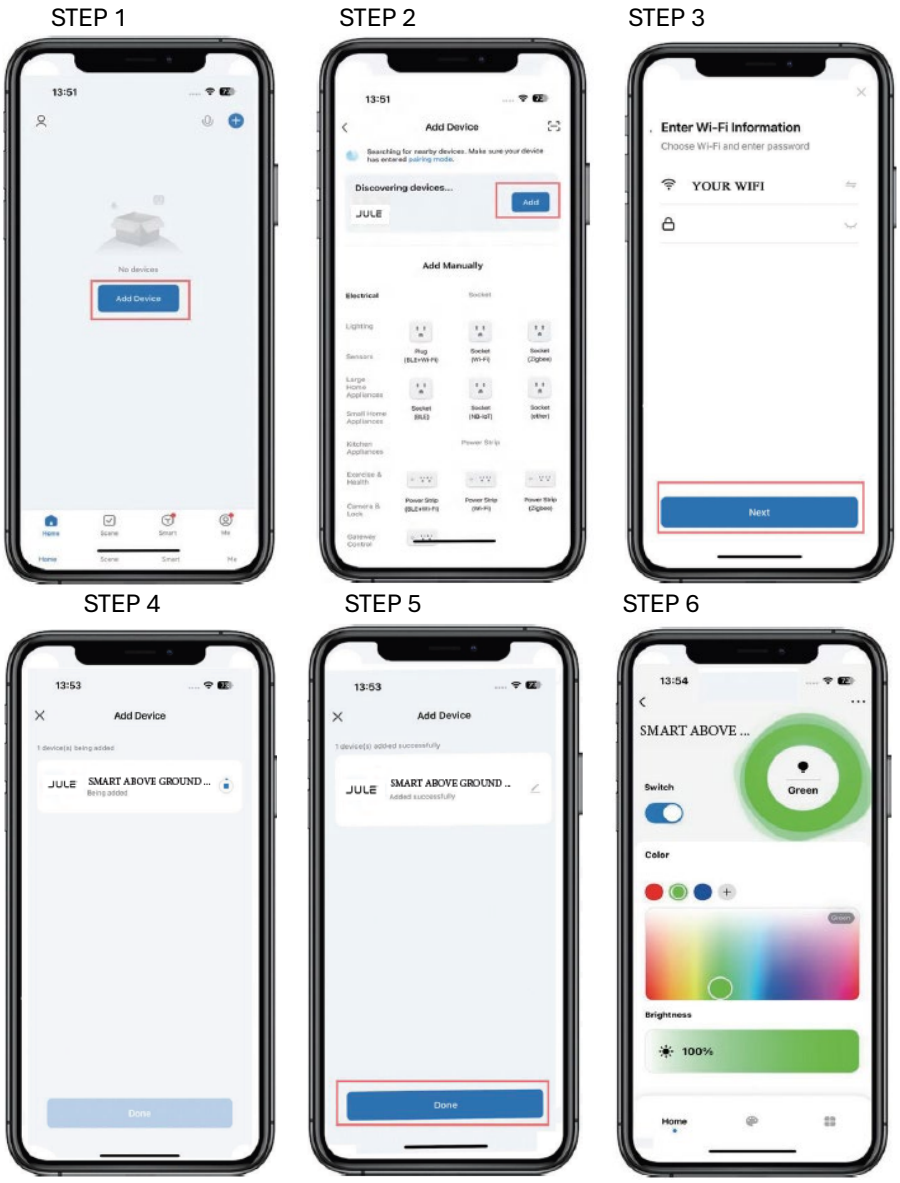
Step 3: Connect your light

Connect over Wi-Fi and Bluetooth using the quick-connect process.

Image 11:

Step	What to do
1	Open the app and tap **Add Device**.
2	Wait while the app discovers your light, then tap **Add**.
3	Select your 2.4 GHz Wi-Fi network and enter its password.
4	Tap **+** to add the device.
5	When the app confirms the device was added, tap **Done**.
6	The control screen opens. You can now control your light.

Image 12:



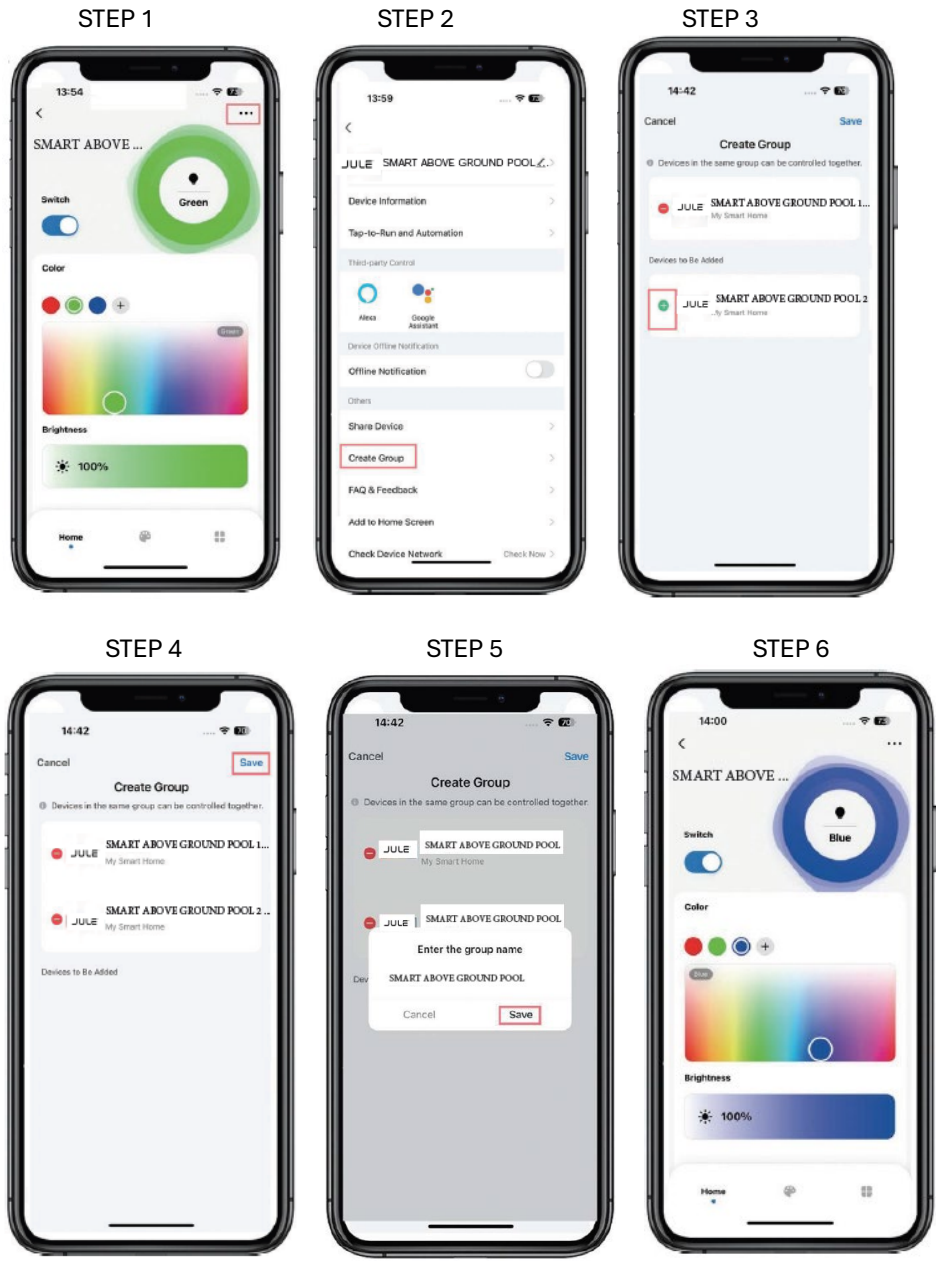
Create a group

If you have more than one light, group them so they stay in sync. Set up each light first by following Step 3. Lights must be on the same Wi-Fi network to be in the same group.

Image 13:

Step	What to do
1	Open one of your lights and tap **....**
2	Tap **Create Group**.
3	Tap **+** to select the lights to add.
4	Tap **Save**.
5	Enter a group name and tap **Save**.
6	The app confirms the group was created.

Image 14:



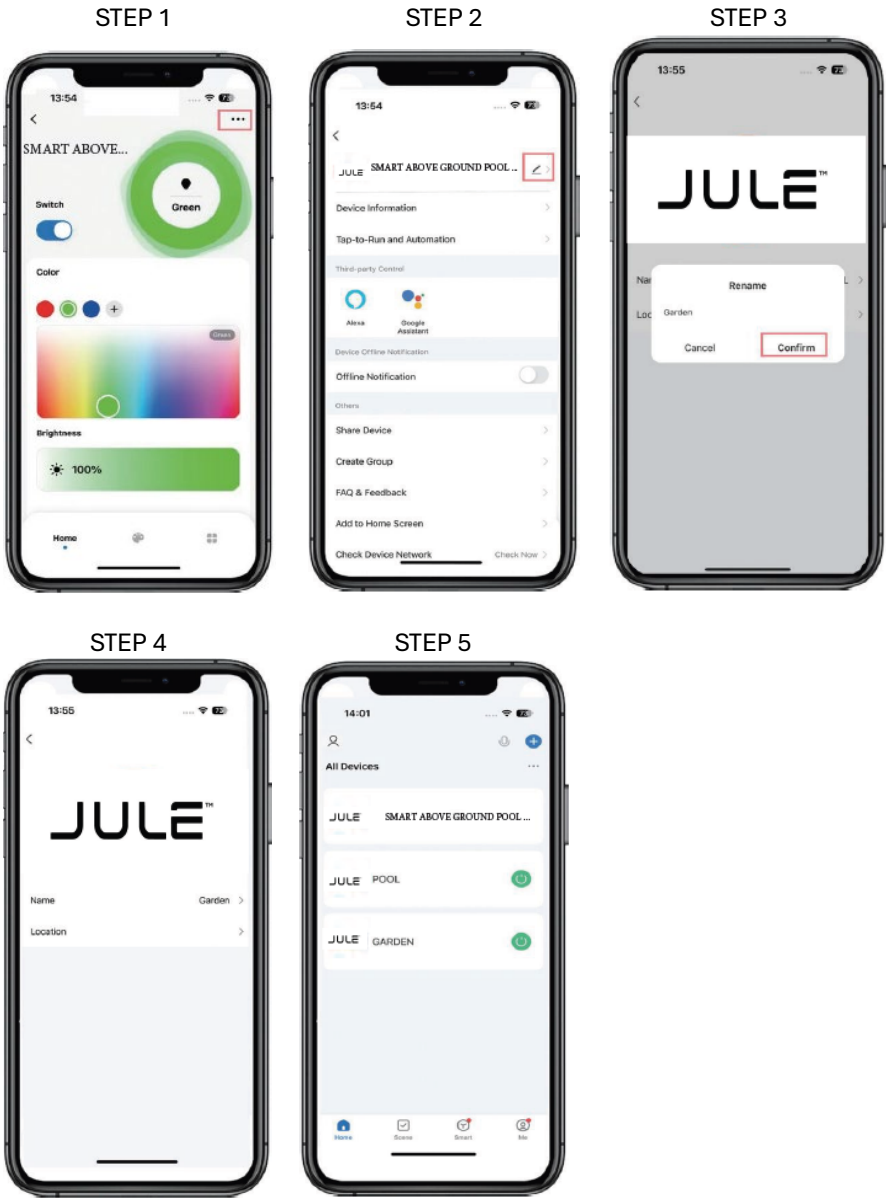
Rename a light

Give each light a name that tells you where it is, such as “Pool” or “Garden”.

Image 15:

Step	What to do
1	Open one of your lights and tap **....**
2	Tap the device name or **Rename** option.
3	Enter the new name and tap **Confirm**.
4	The app shows the new name.

Image 16:



Enjoy your new light!

“Bulb” Display Table:

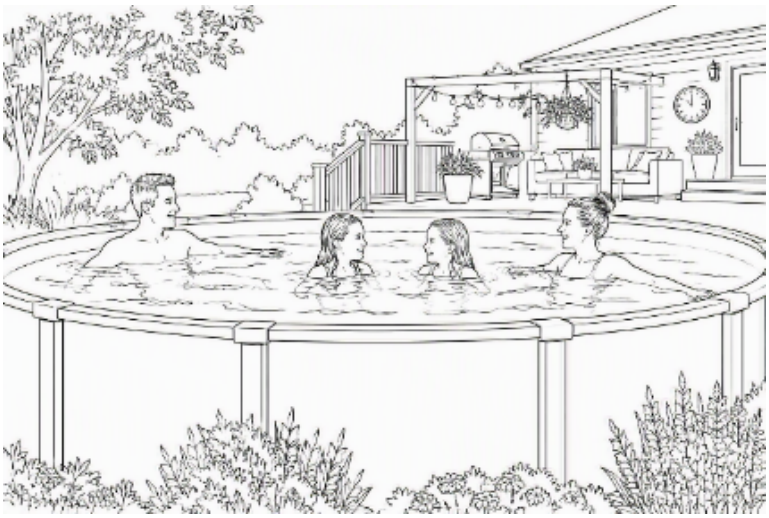
Image 17:

JULE™ NETWORK PAIRING & REMINDER SETTINGS

Bulb setup sequence, pairing status and reminder reference

Network Pairing Details	Action
First time network pairing, automatic.	Plug in; bulb breathes/flashes, then remains on.
First time network pairing, manual.	Plug in. Wait 4 seconds, then unplug and wait 4 seconds. Repeat at least 5 times; it may take up to 10 cycles before the light starts the breathing pattern.
Network Pairing Time.	3 minutes.
Network Pairing Reminder.	Light in breathing pattern.
Reminder Time.	18 seconds.
Reminder Light Color.	Red.
Reminder Brightness.	50%.

You are ready to enjoy your new pool light!



Dis-Assembly Instructions and Winterization:

We recommend watching the YouTube installation video here that applies to your current setup (See Initial Assembly, Step 3).

NOTICE:
Winter Storage and Freeze Protection:

Winterization:

Always winterize your JULE™ Smart LED Light + Water Return well before freezing temperatures occur (32 Deg F) (0 deg C). The system is designed with removable components that can be easily disconnected to help protect the equipment from freeze damage.

Winter Storage Procedure:

Important: Failure to remove and properly store the light system during freezing conditions may result in damage that is not covered under warranty.

STEP 1:
Turn relevant electrical panel breaker off. See Figure 90.

STEP 2:
Unplug **"Cable"** plug-end from outdoor rated GFCI plug. See Figure 91.

STEP 3:
The **"Dual-Purpose Pipe and Plug Adaptor"** (with Cap and O-Ring) can be used for light-only installations (see STEP 3.1) ***or Light + Return (skip to STEP 3.2):

STEP 3.1:

For Light-Only installations:

Rotate the end cap counterclockwise to remove the winter plug from the **"Dual-Purpose Pipe and Plug Adaptor"**, ensuring the clear plastic O-Ring remains on lowest thread near cap flange. See Figure 92 and Figure 93. A pair of Pliers can be used if it the cap has been previously overtightened by aligning pliers on square cap protrusion and rotating counter-clockwise. Store during off-season in a safe dry place that is well marked and easily located.

STEP 3.2:

For Light + Return Installations:

Disconnect the 3rd party fitting (if/as applicable) to drain. See image 11 below.

Figure 90:

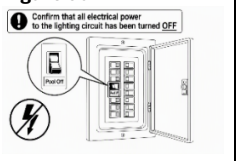


Figure 91:

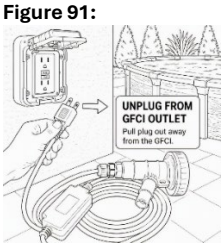


Figure 92:



Figure 93:

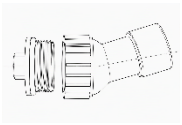
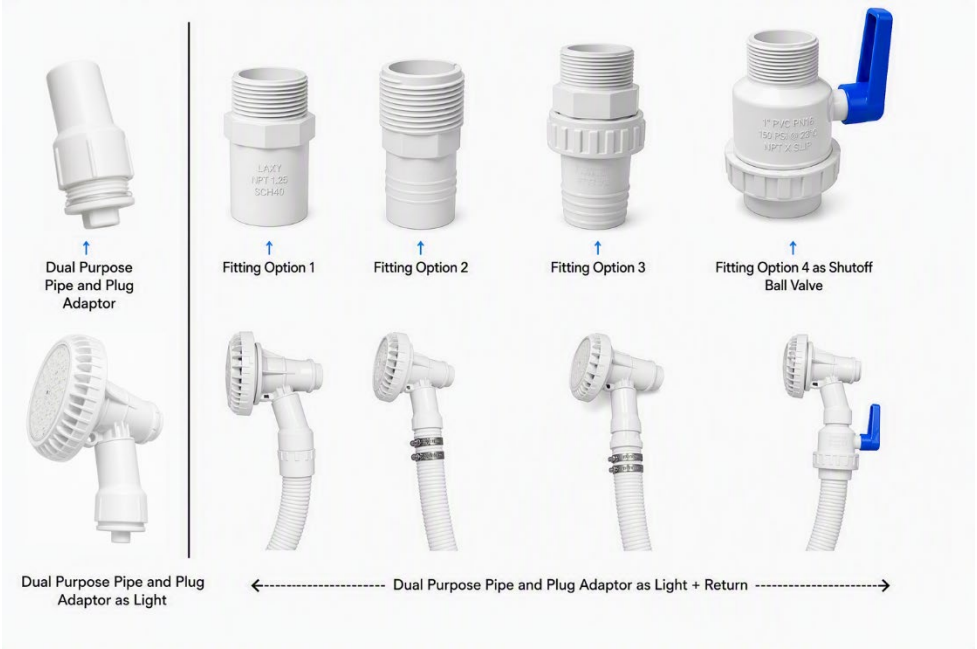


Image 18:



STEP 4:
Rotate the **"Waterproof Seal Nut"**, Counter-clockwise until loose (approximately 7 turns +/-). See Figure 94.
*Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 5:
Slide the **"Waterproof Seal, Part 2"** backwards away from **"Cable Housing"** towards **"Cable"**. See Figure 95. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 6:
Slide the **"Waterproof Seal, Part 1"** backwards away from **"Cable Housing."** See Figure 96. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 7:
Put hand on **"Body"** to hold secure. Remove **"Cable Housing"** by turning it counterclockwise (approx. 7 turns). See Figure 97. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 8:
Grab head of **"Cable"** near light and pull **"Cable"** back away from **"Body"**. An audible vacuum sound will be heard as it releases the waterproof seal. Take note as part is removed that there is only one way to connect the **"Cable"**. See Figure 98.

Figure 94:

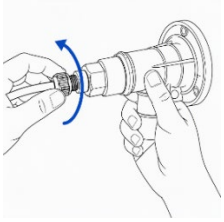


Figure 95:

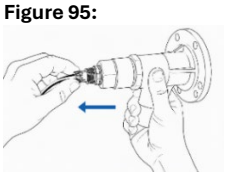


Figure 96:

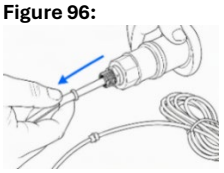


Figure 97:

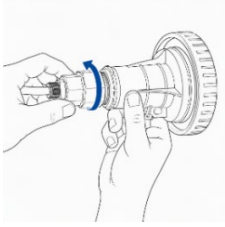
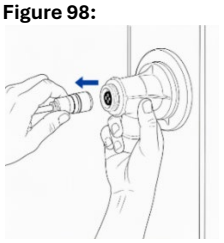


Figure 98:



STEP 9:
Align 4-part Seal system for winter storage. See Figure 99. This will keep parts properly aligned and protected from the elements and make reassembly in Spring easier. Individual steps below:

STEP 10:
Slide the **"Waterproof Seal 1"**, up until it seats fully on rear of **"Cable Housing."** See Figure 100.

STEP 11:
Slide the **"Waterproof Seal 2"**, up until it seats fully on rear of **"Cable Housing"** over **"Waterproof Seal 1."** See Figure 101.

STEP 12:
When **"Waterproof Seal 1"** and 2 are joined properly they will look like this. See Figure 102.

STEP 13:
Slide the **"Waterproof Seal Nut"** up to and over Seal 1 and 2 and turn clockwise (approximately 7 turns) joining it to rear of **"Cable Housing"**. See Figure 103.

STEP 14:
Ensure the **"Winter Cap for Cable Housing"** is attached to the open **"Cable Housing"** end to keep dust and debris out. This will extend expected product life expectancy. See Figure 104.

Take the **"Winter Cap for Cable Housing"/ Cable Housing"** assembly indoors in a dry temperature-controlled environment for the winter season or leave outside protected from elements. Ensure the **"Winter Cap for Cable Housing"** is fully engaged (a slight pinch may be necessary) to keep dust and debris out of the 5-pin **"Cable"** connection. This will extend expected product life expectancy. Winter-ready **"Cable"** assembly will look like this. See Figure 105.

STEP 15:
With the **"Cable"** fully disconnected, prepare it for winter storage.

"Cable" Storage Best Practice:

- Ensure the disconnected **"Cable"** is clean and dry.
- Starting at the pool end, coil the **"Cable"** via over-under wrapping method into uniform loops approximately 12–18 inches (300–450 mm) in diameter, until you are back at GFCI.
- Avoid tight bends, kinks, or twisting of the **"Cable"** during coiling.
- Secure the coil with the provided Velcro strap.
- Unplug the **"Cable"** end from the outdoor rated GFCI outlet.
- Store both ends of the coiled **"Cable"** in a clean, dry location away from direct sunlight, sharp objects, and excessive heat (ideally indoors or under weather-protected enclosure).
- Add **"Winter Cap for Cable Housing"** Cap to end of **"Cable Housing"**.
- If storing outside, store the **"Cable"** such that the capped **"Cable Housing"** is sufficiently off floor (to avoid dragging in water) but facing downwards

Figure 99:

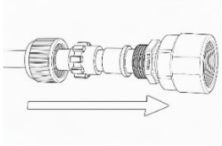


Figure 100:

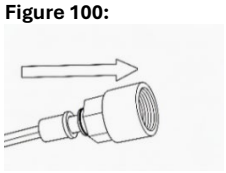


Figure 101:

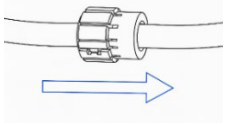


Figure 102:

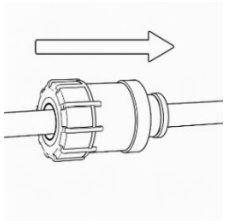


Figure 103:

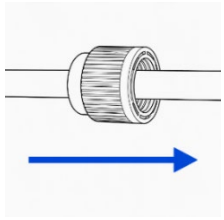


Figure 104:

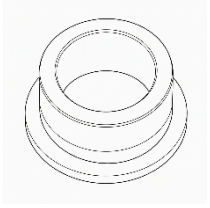
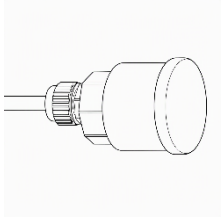


Figure 105:



(**“Winter Cap for Cable Housing”** facing floor) so it does not inadvertently capture water.

NOTICE:
Do not wrap the **“Cable”** tightly (around the light or **“Transformer”** or other) during storage, as this may damage the internal conductors and reduce **“Cable”** life.
Now go back to the pool side.

STEP 16:
The **“Compression Nut”** can be turned counter-clockwise until removed. See Figure 106. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 17:
The next task is to remove the **“Body”** from the **“Bulb”**. Note this connection is friction fit and designed to be tight fitting. See Figure 107 and Figure 108. Light force will be required to remove this part.

NOTICE:
Be prepared to catch the **“Bulb”** and **“Trim Ring”** on the pool side as it lets go. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

NOTICE:
STEP 18:
Move the **“Bulb”** (with cable connection facing up) and **“Trim Plate”** to the side for now. Place the **“Bulb”** on a flat clean, dry, soft surface (ensuring the plastic light scratch cover remains on the front of **“Bulb”** to prevent scratching). Face the unit with **“Bulb”** lens facing down to table. See Figure 109.

STEP 19:
Thread the **“Compression Nut”** back onto rear of **“Bulb”**, so it is ready for spring re-install. See Figure 110.

STEP 20:
Locate the **“Winter Cap for Rear of Bulb”**. See Figure 111.

STEP 21:
Ensure the **“Winter Cap for Rear of Bulb”** is attached to the open **“Bulb”** 5-pin end to keep dust and debris out. This will extend expected product life expectancy. See Figure 111.

STEP 22:
Take the **“Bulb”/ “Trim Ring”/ “Compression Nut”/ “Winter Cap for Rear of Bulb”** assembly indoors in a dry temperature-controlled environment for the winter season. Ensure the **“Winter Cap for Rear of Bulb”** is fully engaged (a slight pinch may be necessary) to keep dust and debris out of the 5-pin **“Bulb”** connection. This will extend expected product life expectancy.

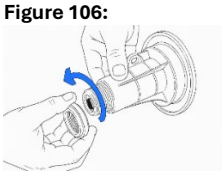
Figure 106:


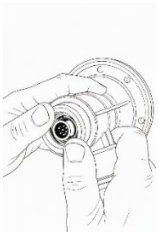
Figure 107:


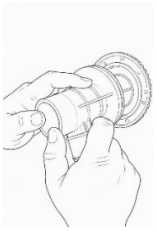
Figure 108:


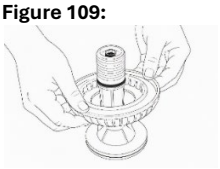
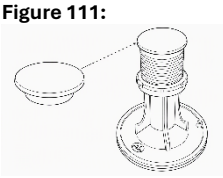
Figure 109:


Figure 110:


Figure 111:


STEP 23:
If the pool will be adequately covered fully for winter, the parts that can remain in the pool over winter will look like this. See Figure 112. If pool will be fully uncovered, it is recommended to remove all parts. To do so, turn **"Wall Plate"** counterclockwise until it separates from **"Body"**. Ensure both **"Flat Wall Gaskets"** are removed then thread **"Wall Plate"** into **"Body"** so the 2 **"Flat Wall Gaskets**" are secured. Bring all parts indoors in a dry temperature-controlled environment for the winter season.

STEP 24:
For a **"Body"** that remains on the pool over winter, A standard third-party Size 9 winter plug fitting (not included) needs to be installed every year at pool closure. This is just an example of what such third party part may look like. Follow manufacturers instructions for use. See Figure 113.

A prepared winterized instllation will look similar to this (The Winter Plug will be tightened further into the **"Body"**, this is for display purposes only. See Figure 114.

REMINDER:
Ensure **"Bulb"** assembly is brought into clean, dry, climate-controlled area for winter storage. Ensure any components staying outside at GFCI plug are carefully tucked away from the elements, and all **winter** Caps are installed.

Re-Assembly Instructions for Springtime:

STEP 1:
Remove the Winter Plug (following manufacturer's instructions). See Figure 113 and Figure 114.

STEP 2:
Locate your **"Bulb"/ "Trim Ring"/ "Compression Nut"/ "Winter Cap for Rear of Bulb"** assembly from your clean dry winter storage location. Place down on clean dry, soft surface to avoid scratching **"Bulb"**. See Figure 115.

STEP 3:
Remove the storage **"Winter Cap for Rear of Bulb"** from the **"Bulb"**. See Figure 115. Store safely with other winterization components.

STEP 4:
Remove the **"Compression Nut"** by threading counterclockwise until removed. See Figure 116.

STEP 5:
Insert **"Bulb"** through front of **"Trim Ring"** and place the **"Bulb"** rear end first into the return fitting hole where Winter Plug was removed. See Figure 117.

Figure 112:

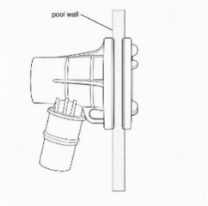


Figure 113:

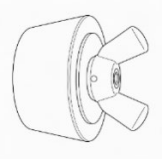


Figure 114:

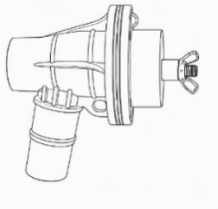


Figure 115:

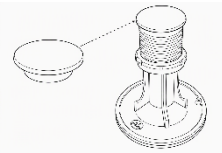


Figure 116:

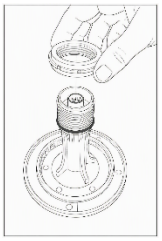
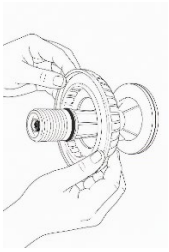


Figure 117:



STEP 6:
Push the front of the **"Bulb"** through the inside pool wall and through the **"Body"** until firmly seated. This will take light force as it is friction fit design. See Figure 118.

STEP 7:
Thread the **"Compression Nut"** clockwise onto the **"Bulb"** rear threads until loosely hand tightened. See Figure 119.

NOTICE:
***Please note the **"Trim Plate"** is designed to openly rotate, so ensure this can spin freely. The reason is that almost half the **"Trim Plate"** is filled with redirection holes so that the water can still flow through and rotate to desired flow direction anytime with a simple rotation of the **"Trim Plate"**. See Figure 120.

If the **"Trim Plate"** is tight loosen the **"Compression Nut"** at the back of the **"Bulb"**. See Figure 121.

STEP 8:
The assembly is now ready to attach the **"Cable"**. Locate the **"Cable"** assembly that was stored near your outdoor rated GFCI wall plug. Undo the Velcro strap which is/are neatly coiling the **"Cable"**. See Figure 122.

STEP 9:
Ensure the **"Cable"** end with **"Cable Housing"** is brought to edge of pool where light is installed. See Figure 123. Remove the storage **"Winter Cap for Cable Housing"** from the **"Cable Housing"**. Store safely with other winterization components.

STEP 10:
Rotate the **"Waterproof Seal Nut"**, counter-clockwise until loose (approximately 7 turns +/-). See Figure 124. Slide backwards for now along **"Cable"**. See Figure 125. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

Figure 118:

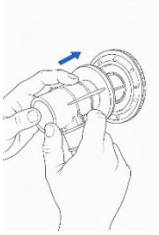


Figure 119:

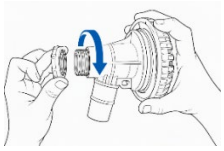


Figure 120:

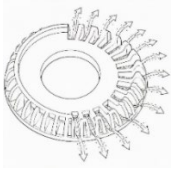


Figure 121:

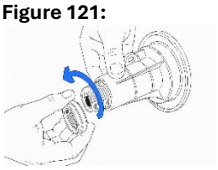


Figure 122:

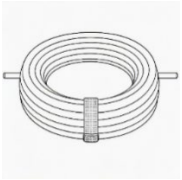


Figure 123:

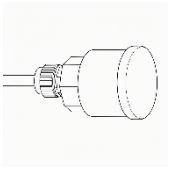


Figure 124:

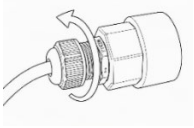
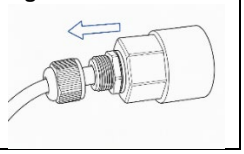


Figure 125:



STEP 11:
Slide the **"Waterproof Seal, Part 2"** backwards away from **"Cable Housing"**. See Figure 126. Slide backwards for now along **"Cable"**. See Figure 127. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 12:
Slide the **"Waterproof Seal, Part 1"** backwards away from **"Cable Housing"**. See Figure 128. Slide backwards for now along **"Cable"**. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 13:
Feed **"Cable"** through 5-Pin Housing so the **"Cable"** 5-Pin end connection is easy to see. See Figure 129.

STEP 14:
Connect **"Cable"** to Back of **"Bulb"** at rear 5-pin connector. The head of the **"Cable"** features an embossed arrow logo showing where the connector slot must be aligned. The back end of the light **"Bulb"** also has a black plastic track that must engage with **"Cable"** slot. This ensures (a.) alignment, (b.) facilitates full depth connection, and (c.) aligns pins for connection strength. See Figure 130. Ensure the **"Cable"** end's 5-Pin is aligned with **"Bulb"** rear 5-Pin **"Cable"** end. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 15:
Put hand on **"Body"** to hold secure. Turn **"Cable Housing"** clockwise (approx. 7 turns) until hand-tight. See Figure 131.

NOTICE:
Do not overtighten.

STEP 16:
Slide the **"Waterproof Seal, Part 1"** up the **"Cable"** to the back part of the **"Cable Housing"**. The seal should have a wider lip on the light side. Gently push the wide seal inside the black plastic threaded nut. Once it sits centered, fully insert the seal until it bottoms out creating a watertight seal. See Figure 132. Half of the **"Waterproof Seal1"** will sit out over **"Cable"**. See Figure 133.

Figure 126:

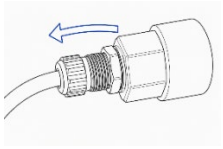


Figure 127:

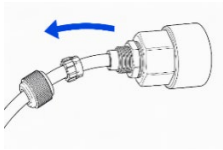


Figure 128:

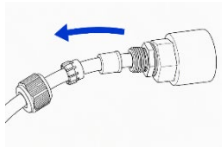


Figure 129:

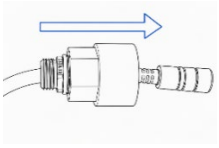


Figure 130:

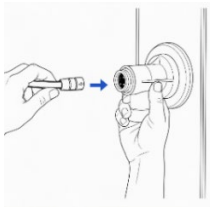


Figure 131:

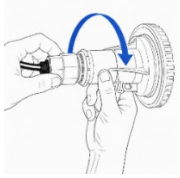


Figure 132:

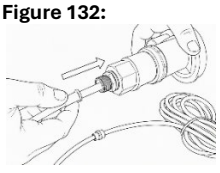
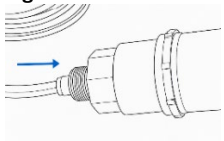


Figure 133:



STEP 17:
Slide the **"Waterproof Seal, Part 2"** up the **"Cable"** so it slides completely over the **"Waterproof Seal, Part 1"** just installed. See Figure 134.

STEP 18:
The **"Waterproof Seal 1"** and **"Waterproof Seal 2"** joined connection should be fully pushed into the black plastic threading on the back of the **"Cable Housing"**. This 2-part seal will centrally hold the **"Cable"** and seal system in place, and lock together. See Figure 135.

NOTICE:
Do not overtighten.

STEP 19:
Slide the **"Waterproof Seal Nut"** up the **"Cable"** over the assembled Waterproof Seal Parts 1 and 2. Rotate clockwise until hand tightened. See Figure 136.

STEP 20:
Fill pool up with water. Check for leaks.

STEP 21:
Follow the **"Cable"** from rear of **"Bulb"** to opposite end of **"Cable"** with 3-prongs and plug it into the outdoor rated GFCI plug. See Figure 137.

STEP 22:
Ensure appropriate electrical panel breaker is turned on. See Figure 138.

You are ready to enjoy your pool light!

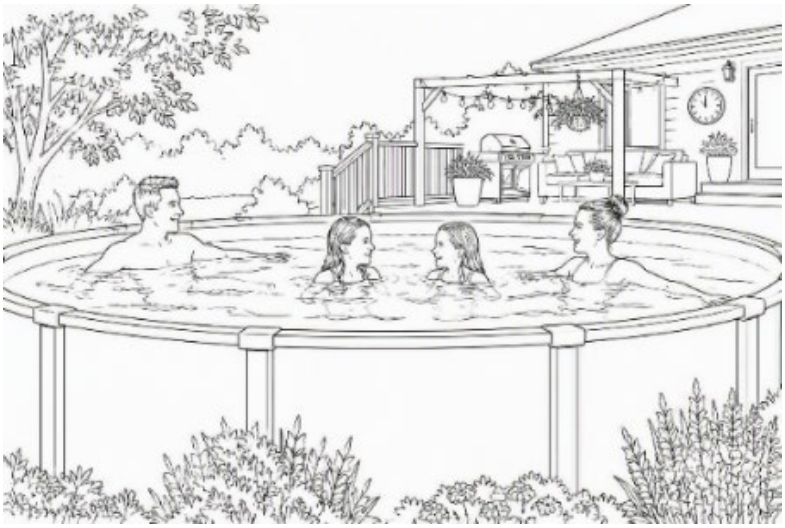


Figure 134:

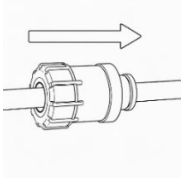


Figure 135:

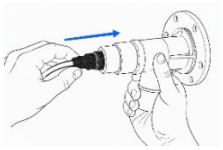


Figure 136:

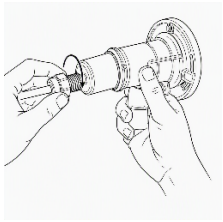


Figure 137:

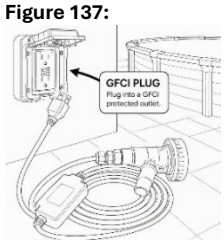
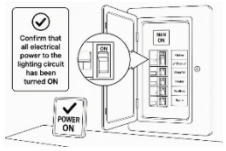


Figure 138:



Maintenance Requirements:

The light is designed to be used as permanent installation until product life expectancy is completed, so minimal maintenance is required.

Ensure fittings and **“Cable”** nuts are confirmed hand-tight (clockwise rotation) every season.

Wipe **“Bulb”** lens clean.
If “Wall Plate” is disassembled, it is recommended to remove and reapply Teflon tape.

Lubricate O-Rings using only silicone lubricants (not petroleum lubricants) such as Jacks Lube, Lube Tube, LUB 100.

Follow winter maintenance instructions above.

Repairs:

Authorized JULE™ Smart LED Light + Water Return replacement parts are available through your JULE™ retailer or distributor.

Troubleshooting:

Determine if problems are related to **“Bulb”**, or **“Cable”** connections.

Troubleshooting, **“Bulb”** Replacement:

One of the features of the JULE™ Smart LED Light + Water Return is the ability to replace the **“Bulb”** to prolong product life expectancy and keep cost of ownership low.

CAUTION:
Lower the water level below your current jet prior to installation. See Figure 139.

Before Replacing the “Bulb”:

WARNING:
Turn **OFF** all power to the lighting circuit (See Figure 140) and unplug the **“Cable”** from the GFCI outdoor rated wall plug (See Figure 141) to verify that **no voltage** is present at the light.

Only Install a replacement **“Bulb”** that matches the **same model and specifications** as the original JULE™ Smart LED Light + Water Return, part number JAL01.

Important: Using an incorrect replacement **“Bulb”** may result in poor performance, equipment damage, or unsafe operation conditions, and will void warranty.

Figure 139:

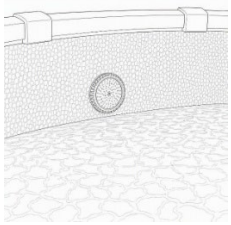


Figure 140:

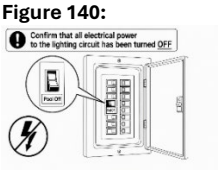
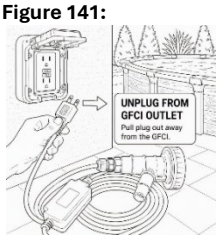


Figure 141:



STEP 1:
Rotate the **"Waterproof Seal Nut"**, Counter-clockwise until loose (approximately 7 turns +/-). See Figure 142. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 2:
Slide the **"Waterproof Seal, Part 2"** backwards away from **"Cable Housing"**. See Figure 143. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 3:
Slide the **"Waterproof Seal, Part 1"** backwards away from **"Cable Housing"**. See Figure 144. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 4:
Put hand on **"Body"** to hold secure. Turn **"Cable Housing"** counterclockwise (approx. 7 turns). See Figure 145. *Check part condition while out. Once confirmed in good condition, slide further down along **"Cable"** so out of way for now.*

STEP 5:
"Cable" should be disconnected from **"Bulb"**. While holding **"Body"** to secure, pull **"Cable"** back away from **"Body"**. An audible vacuum sound will be heard as it releases the waterproof seal. See Figure 146. Take note as part is removed that there is only one way to connect the **"Cable"**. Take note, the head of the **"Cable"** features an embossed arrow logo showing where the connector slot must be aligned. The back end of the **"Bulb"** also has a black plastic track that must engage with **"Cable"** slot. This ensures (a.) alignment, (b.) facilitates full depth connection, and (c.) aligns pins for connection strength. See Figure 147. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 6:
Remove **"Compression Nut"** by turning it counter-clockwise until removed. Place in a clean, dry, elevated place. See Figure 148. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

Figure 142:

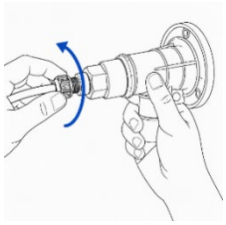


Figure 143:

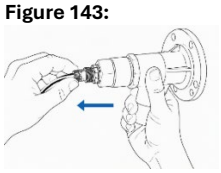


Figure 144:

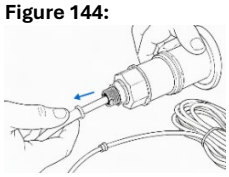


Figure 145:

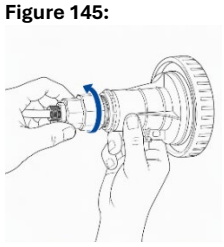


Figure 146:



Figure 147:

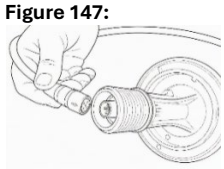
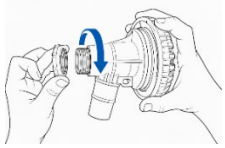


Figure 148:



STEP 7:
Remove **“Body”** from **“Bulb”**. Note this part is friction fit and designed to be tight fitting. Light force will be required to remove this part. See Figure 149.

NOTICE:
Use thumbs of both hands to push down on rear of **“Bulb”** while simultaneously pulling up on **“Body.”** It will require light force and will begin to slide. Fully remove part. See Figure 150. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

STEP 8:
Move the **“Bulb”** (with **“Cable”** connection facing up) with **“Trim Plate”** to side for now onto soft dry clean location. See Figure 151.

STEP 9:
Safely recycle/discard the old non-functioning **“Bulb”** following applicable local municipal guidelines. See Figure 152.

STEP 10:
Replace preferred **“Trim Ring”** (only 1 is needed, select grey or white) onto new **“Bulb”**. See Figure 153. Insert **“Bulb”** through front of **“Trim Ring”** and place the **“Bulb”** rear end first into the return fitting hole. See Figure 154.

STEP 11:
Ensure the **“Trim Plate”** rests against the inside pool wall, then push the **“Bulb”** through with two fingers in the center of the **“Bulb”** to distribute the weight. Fully engage seating by pushing from the front of the **“Bulb”** on inner pool wall with one hand, while pulling at back of **“Body”** from outer pool wall until connection is tight to wall on inside and outside of pool wall. See Figure 155.

Figure 149:

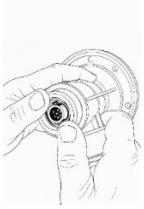


Figure 150:



Figure 151:

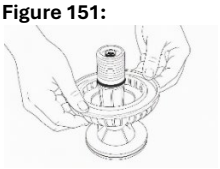


Figure 152:

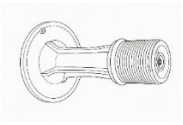


Figure 153:

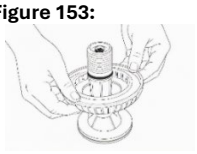


Figure 154:

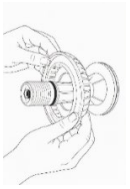
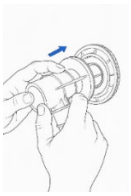


Figure 155:



STEP 12:
Thread the **“Compression Nut”** clockwise until loosely hand tightened onto **“Bulb”** rear threads. See Figure 156.

NOTICE:
***Please note the **“Trim Plate”** is designed to openly rotate, so ensure this can spin freely. See Figure 157. The reason is that almost half of the **“Trim Plate”** is filled with redirection holes so that the water can still flow through and rotate to desired flow direction anytime with a simple rotation of the **“Trim Plate”**. If it is tight loosen the **“Compression Nut”** at the back of the **“Bulb”** counter-clockwise slightly until the **“Trim Plate”** moves freely again.

STEP 13:
Feed **“Cable”** through 5-Pin Housing so the **“Cable”** connection is easy to see. See Figure 158.

STEP 14:
Connect **“Cable”** to **“Bulb”** rear 5-pin connection. The head of the **“Cable”** features an embossed arrow logo showing where the connector slot must be aligned. The back end of the **“Bulb”** also has a black plastic track that must engage with **“Cable”** slot. This ensures (a.) alignment, (b.) facilitates full depth connection, and (c.) aligns pins for connection strength. See Figure 159.

STEP 15:
Put hand on **“Body”** to hold secure. Thread the **“Cable Housing”** clockwise (approx. 7 turns) onto **“Bulb”** rear threads. See Figure 160.

NOTICE:
STEP 16:
Slide the **“Waterproof Seal, Part 1”** the **“Cable”** to the back part of the **“Cable Housing”**. See Figure 161. The seal should have a wider lip on the light side. Gently push the wide seal inside the black plastic threaded nut. Once it sits centered, fully insert the seal until it bottoms out creating a watertight seal. Half of the seal will sit out over **“Cable”**. See Figure 162.

STEP 17:
Slide the **“Waterproof Seal Part 2”** towards light. See Figure 163.

Figure 156:

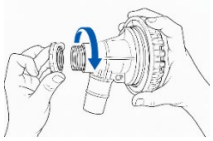


Figure 157:

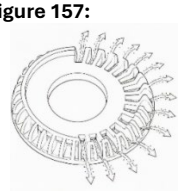


Figure 158:

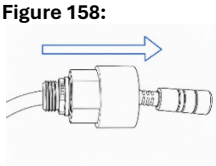


Figure 159:

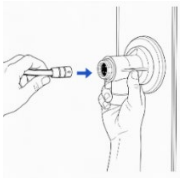


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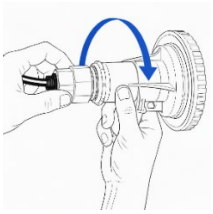


Figure 161:

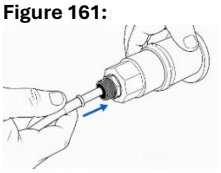


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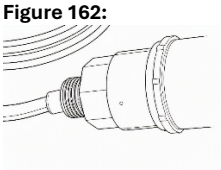
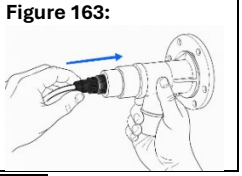


Figure 163:



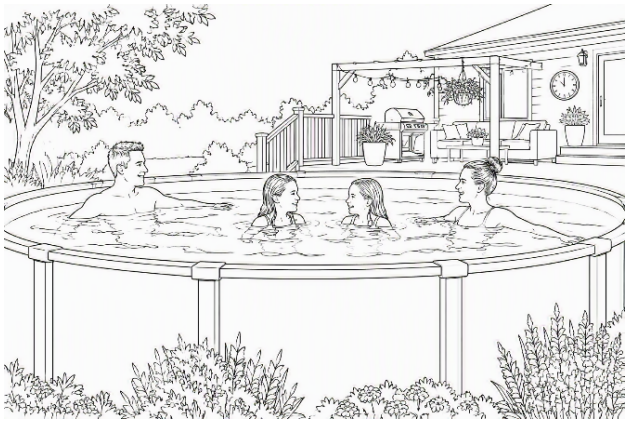
STEP 18:
Slide the **"Waterproof Seal Nut"**, up the **"Cable"** towards the **"Cable Housing"** and rotate clockwise until tight (approximately 7 turns +/-). See Figure 164.

STEP 19:
Plug **"Cable"** into outdoor rated GFCI. See Figure 165.

STEP 20:
Turn on applicable breaker on the electrical panel. See Figure 166.

STEP 21:
Top up the pool water. Check for leaks.

You are ready to enjoy your pool light!



Troubleshooting, Joiner Between **"Transformer"** and Light:

STEP 1:
The central connection can be rotated counter-clockwise and pulled apart. *Check part condition while out. Once confirmed in good condition, place nearby in elevated safe/dry place to prevent damage so it is out of way for now.*

Image 19:

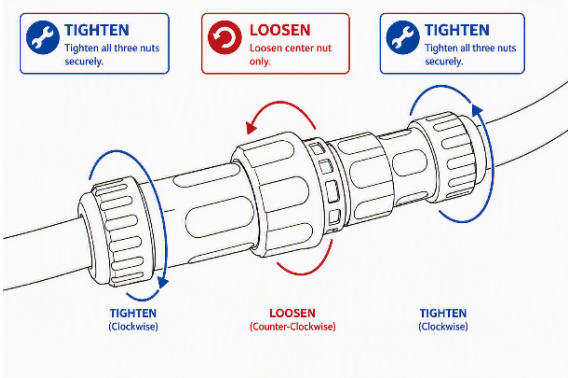


Figure 164:

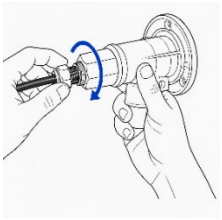


Figure 165:

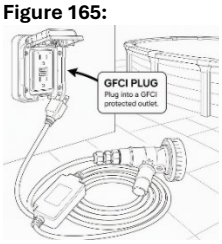
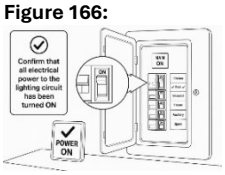
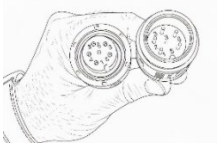


Figure 166:



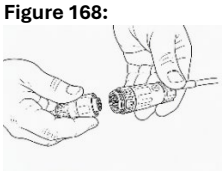
STEP 2:
Take note, the smaller side **"Cable"** (on light side) features a connector slot which must be aligned. The larger side **"Cable"** (on **"Transformer"** side) has a black plastic channel that must engage with opposite **"Cable"** slot. You should also be able to see a red O-Ring inside. See Figure 167. At this point check internal condition of pins, pin slots, o-ring, etc. Clean as necessary. Once items are confirmed in good state, you can proceed to next step:

Figure 167:



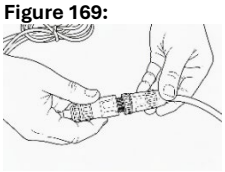
STEP 3:
To connect **"Cable"**, align slots and engage fully until **"Cable"** cannot join further then turn the nut clockwise until fully hand tightened. See Figure 168 and Figure 169.

Figure 168:



NOTICE:
Do not overtighten.

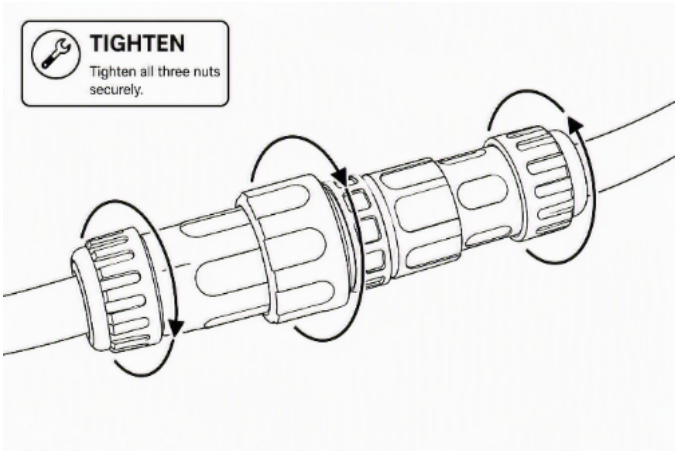
Figure 169:



CAUTION:
This ensures (a.) alignment, (b.) facilitates full depth connection, and (c.) aligns pins for connection strength. ***This is critical to making the watertight connection.

STEP 4:
There are 3 nuts. It is best to verify they remain hand-tightened. Each nut as per the picture should be turned clockwise hand-tight. Note 2 nuts turn the same direction, and one will turn the opposite direction. Ensure you are matching the part orientation to the provided picture before tightening.

Image 20:



STEP 5:
Test light function and if item remains not working contact customer service for advice or to order spare parts.

Part Number Structure:

JAL01
Example:
J = Jule, **A** = Above Ground Pool, **L** = Light, **01** = Series 01

Short Description:
JULE™ Smart LED Light + Water Return for hard-walled above ground swimming pools, RGBW (Red/Green/Blue/White) Bulb makes endless colors, smart phone controlled (brightness, color, schedule), quick-connect design, 31.49 ft (9.6 m) Cable, 12V DC, with 2 Trim Plates (grey and white), and custom Dual-Purpose Pipe and Plug Adaptor (with Cap and O-Ring).

Long Description:
JULE™ Smart LED Light + Water Return for hard-walled above ground swimming pools, RGBW (Red/Green/Blue/White) Bulb make endless colors, smart phone controlled via Smart Life application, adjust brightness, color (solid, dynamic shows), schedule, quick-connect design, durable, waterproof, shock-resistant PVC construction, 31.49 ft (9.6 m) Cable, 12V DC, comes with premium extras: 2 Trim Plates (grey and white), and Custom Dual-Purpose Pipe and Plug Adaptor (with Cap and O-Ring) for tidy professional installation.

Technical Specifications:

JULE™ Smart LED Light + Water Return Color LED Return Jet Pool Light:
The JULE™ Smart LED Light + Water Return is designed to provide vibrant pool illumination with simple installation, smart controls, and convenient seasonal maintenance. While the initial installation requires a few additional setup steps, future **"Bulb"** replacement and winterization can be completed quickly and easily.

Product Information:

Image 21:

JULE™ PRODUCT INFORMATION

Technical specifications and product details

Item	Description
Application	Above-Ground Pools.
Compliance	UL 676 and CSA C22.2 No. 89.
Housing Color	White.
Housing Material	UV- and Shock-Resistant PVC.
Light Output Voltage	12 V DC.
Lighting Type	Smart RGBW LED.
Manufacturer	Select Pool Products.
Maximum Brightness	439 Lumens.
Power Consumption	15 Watts.
Power Supply Input	100–240 V AC, 50/60 Hz.
Product Code	JAL01.
Product Name	JULE™ Smart LED Light + Water Return.
Use Life	30,000 hours.
Water Protection	Fully Enclosed and Waterproof.

Image 22:

JULE™ LIGHT SPECIFICATIONS

Wet-niche low-voltage pool light ratings, construction and compliance reference

Component	Specification
Description	The products covered by this report are Wet-Niche Low Voltage Swimming Pool Light supplied by class 2 power supply approved to UL 379. The products are to be installed in accordance with all applicable installation codes.
Input connector (optional)	Male Cable Fitting, 300V, 3A. Environmental Rating: Type 6P.
Input rating	12Vdc, max. 10W
Label (not shown)	Indelibly-printed, pressure-sensitive label affixed on plastic surface, min. 70°C, comply with UL969. Suitable for outdoor use.
LED-1	Vf: 2.8-3.4V, If: 60mA. 2400-6000K. Size: 2.8 x 3.5 x 0.7mm.
LED-2	Red: Vf: 2.0-2.4V, If: 60mA. Blue: Vf: 3.0-3.4V, If: 60mA. Green: Vf: 3.0-3.5V, If: 60mA. 2400-6000K. Size: 2.8 x 3.5 x 0.7mm.
LED PCB	Single layer metal base, V-0, min. 125°C, min. 1.0 mm thick. Comply with UL796.
LED quantity and type	27pcs LED-1 and 81pcs LED-2. LED-1: Vf: 2.8-3.4V, If: 60mA. 2400-6000K. Size: 2.8 x 3.5 x 0.7mm. LED-2: Red: Vf: 2.0-2.4V, If: 60mA. Blue: Vf: 3.0-3.4V, If: 60mA. Green: Vf: 3.0-3.5V, If: 60mA. 2400-6000K. Size: 2.8 x 3.5 x 0.7mm.
Other Ratings	Location, Wall-mounted Luminaires. Listed and identified for use in no less than 18 inches below the normal level of the water. Measurements are to the top of the luminaire lens.
Power cord-1	SJTW, min. 300V, 18AWGx5C, 105°C, VW-1. The length of power supply cord is min. 7.6m (it is to be measured from the end of power cord to the face of the power cable holder on submersible luminaires).
Standards	Underwater Luminaires and Submersible Junction Boxes [UL 676:2015 Ed.9+R:09Apr2024]. Swimming-Pool Luminaires, Submersible Luminaires and Accessories (R2020) [CSA C22.2#89:2015 Ed.3+U1; U2; U3]

Image 23:

JULE™ TRANSFORMER SPECIFICATIONS

Outdoor low-voltage power supply ratings, construction and compliance reference

Component	Specification
Description	The products covered by this report are power supply of low-voltage landscape lighting system suitable for outdoor use.
Input ratings	120Vac, 60Hz, 0.5A.
Label	Min. 70°C when attached on input wire or enclosure surface. Suitable for outdoor use. Comply with UL969.
Output Connector	Female Cable Fitting, 300V, 3A. Environmental Rating: Type 6P.
Output Ratings	12Vdc, 1.66A, 20W.
Output Wire	SJTW, min. 300V, 18AWGx5C, 105°C, VW-1.
PCB	Plastic base, V-0, 130°C, min. 1.0mm thickness, comply with UL796.
Power cord-1	SJTW, min. 300V, 18AWGx5C, 105°C, VW-1. The length of power supply cord is min. 7.6m (it is to be measured from the end of power cord to the face of the power cable holder on submersible luminaires).
Power Supply	Input: 100-240Vac, 50/6Hz, 0.6A. Output: 12Vdc, max. 1.8A, LPS output.
Standard	Low Voltage Landscape Lighting Systems [UL 1838:2003 Ed.3+R:25Nov2025].
Extra-Low-Voltage Standard	Extra-Low-Voltage Landscape Lighting Systems [CSA C22.2#250.7:2023 Ed.3]
X-capacitor	Min. 250VAC, max. 0.1uf, X2 type.

Smart Lighting Features:
Control your pool lighting directly from the Smart Life App using Wi-Fi or Bluetooth connectivity.

Lighting Options:

- Adjustable brightness for all colors and white light.
- Customizable user-created lighting programs.
- Full RGBW LED technology with dedicated Pure White illumination.
- Hundreds of color combinations.
- Music synchronization modes.
- Pre-programmed lighting effects and scenes.
- Scheduling and automatic on/off functions.

Included Lighting Scenes:
The Smart Life App includes 20 pre-programmed scenes:

- American Style.
- Birthday.

- Breathing.
- Christmas.
- Dazzling.
- Dream.
- French Style.
- Forest.
- Good Night.
- Grassland.
- Halloween.
- Jump.
- Leisure.
- Ocean.
- Reading.
- Rhythmic Breathing.
- Step Change.
- Sunflower.
- Wedding Anniversary.
- Working.

Play Modes:

- Game Mode.
- Music Mode.
- Romantic Mode.

Construction and Safety Features:

- Designed specifically for hard-walled above-ground pool applications.
- Fully enclosed waterproof light housing (when installed correctly).
- Low-voltage 12 V DC operation for increased safety.
- UV-resistant and shock-resistant PVC construction.

Electrical Specifications:

Image 24:

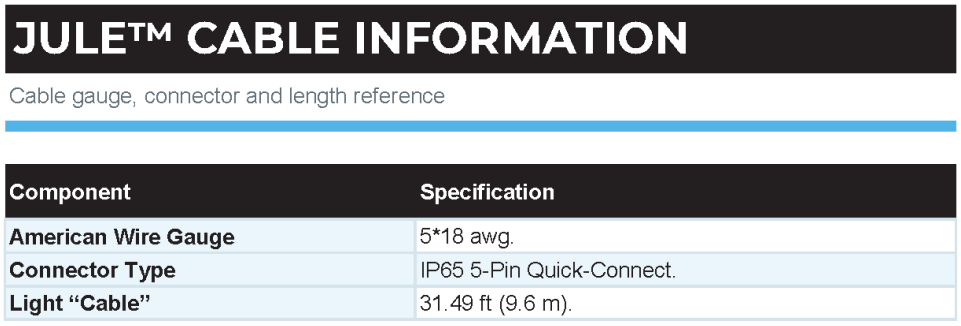
JULE™ ELECTRICAL SPECIFICATIONS

Power, voltage and LED performance reference

Specification	Value
Frequency	50/60 Hz.
Input Voltage	100–240 V AC.
LED Quantity	108 LEDs.
Light Power	15 Watts.
Output Voltage	12 V DC.
Power Adapter	DC 12 V.

Cable Information:

Image 25:



JULE™ CABLE INFORMATION

Cable gauge, connector and length reference

Component	Specification
American Wire Gauge	5*18 awg.
Connector Type	IP65 5-Pin Quick-Connect.
Light "Cable"	31.49 ft (9.6 m).

Manufacturer's Disclaimer:

General Information & Support:
All information contained in this manual is accurate at the time of publication and is based on the most up-to-date product data available. Select Pool Products reserves the right to modify product specifications, design, or documentation at any time without prior notice. No part of this manual may be reproduced or distributed without written authorization from Select Pool Products.

Authorized JULE™ Smart LED Light + Water Return retailers and distributor personnel are fully trained and equipped to assist with any questions regarding installation, operation, or troubleshooting. If you encounter an issue that cannot be resolved to your satisfaction, please follow the escalation process below:

- Contact your local authorized retailer or distributor for assistance.
- If the issue remains unresolved, escalate the matter to the retailer's or distributor's management team.
- If you are not satisfied with the resolution provided as a last resort, please escalate contact to Select Pool Products directly for technical support.

Required Information for Escalated Technical Support:
To ensure timely and effective support, please have the following information available when contacting Select Pool Products:

- Complete contact information (name, address, email, and phone number).
- Detailed description of the issue, including:
  - Clear photos/videos showing the problem being experienced and installation context.
  - A summary of troubleshooting steps already performed (take note of the relevant page in this guide).
- Name of the retailer or distributor from whom the product was purchased.
- Original proof of purchase, including purchase date.
- Product Series.
- Serial Number.

Providing complete and accurate information will decrease delays from emailing and will help expedite diagnosis and resolution.

Warranty:

Limited Manufacturer's Warranty:

Coverage:
This product is covered by a two (2) year limited manufacturer's warranty on parts from the date of purchase.

The manufacturer warrants that the product will be free from defects in materials and workmanship when used under normal operating conditions and in accordance with the instructions provided in this manual.

Exclusions:
This warranty does not apply to, and specifically excludes, the following:

- Any incidental, indirect, or consequential damage.
- Damage resulting from improper installation, misuse, abuse, or neglect.
- Labor or service charges associated with installation, removal, inspection, or repair.
- Loss of water, chemicals, or any related operational or maintenance expenses.

Warranty Claim Procedure:
Warranty claims must be submitted direct to Select Pool Products utilizing the original point of purchase receipts, including where applicable the installer, builder, dealer, retailer, or authorized JULE™ Smart LED Light + Water Return distributor.

SPP Customer service will issue a Returned Material Authorization (RMA) number if determined to be eligible for further investigation.

All products must be inspected by an authorized Select Pool Products staff member before warranty approval is granted.

Unless otherwise authorized in writing by Select Pool Products, the purchaser is responsible for all costs associated with:

- Installation of any replacement product.
- Removal and reinstallation of the product.
- Shipping to and from Select Pool Products.

At its sole discretion, Select Pool Products may:

- Issue a credit equal to the original invoice value in lieu of repair or replacement.
- Repair the defective product or affected component.
- Replace the product at no charge with similar part (Ex Works Burlington, Ontario, Canada).

Warranty Service:
To initiate warranty service:

- Follow the procedures outlined in this manual.
- Visit the official support website: *Select Pool Products Support.*
- Review full warranty terms at: *Warranty & Terms of Sale*.

- Complete and submit the required documentation at: *Warranty Request Form*.

Providing complete and accurate information will help ensure your claim is processed efficiently.

Select Pool Products reserves the right to substitute a replacement with a new or improved JULE™ Smart LED Light + Water Return product of equal or greater value.



Company Contact Information:

We are here to help.

Select Pool Products

Address: 3345 North Service Rd, #104A, Burlington ON L7N 3G2, Canada
Email: info@selectpoolproducts.ca
Phone: 1-855-881-0889
Web: www.selectpoolproducts.ca
Standard Business Hours:

- Monday-Thurs: 9 am – 5 pm EST.
- Friday: 9:00 am – 4 pm EST.

Compliance Statement:

- cETLus certified.
- CSA C22.2 No.89 compliant.
- NFPA 70 (National Electrical Code) Article 680 compliant.
- UL 676 (Underwater Luminaires and Submersible Junction Boxes) compliant.

Version Code: J-A-L-01-TM-Nov-17-2026-Rev.0