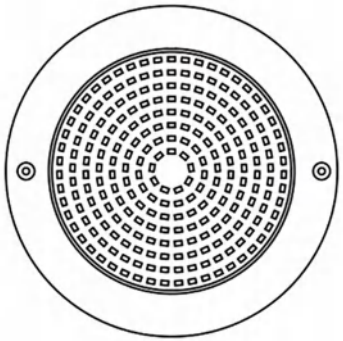
Pomeade

Installation Manual



LED Underwater Smart Multicolor Pool Light

Large and Small Pool Light

WARNING

FOR YOUR SAFETY-This product must be installed and serviced by a contract or who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. The maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. improper installation and/or operation will void the warranty. improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death. ATTENTION INSTALLER- This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

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POOL LIGHT SERIES

SH101050

SH101100

SH101300

SH061400

SH061450

SH101150

SH101200

SH061250

SH101350

SH101500

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CATALOGUE

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SH061400	15-16
SH061450	17-24
SH101150	25-32
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SH061250	41-48
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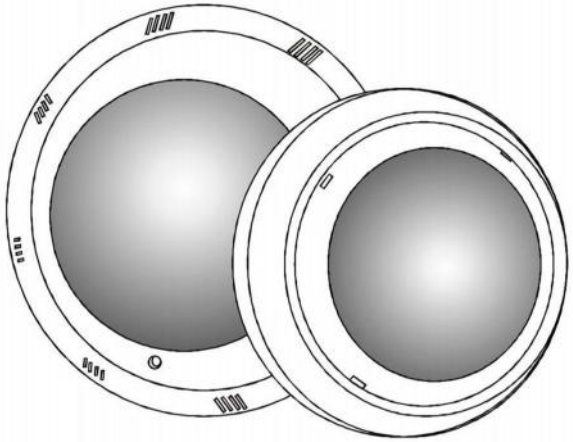
UNDERWATER LIGHT OPERATING PROCEDURES

SH101050



SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light Waterproof Rating: IP68

Amp Rating: 4.5A max Light Working Voltage:12V AC Wattage: 35W Luminous Flux:1700 Lumen

Read and save these instructions!

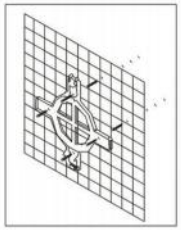
DANGER

RISK OF ELECTRICAL SHOCK OR ELECTROCUTION

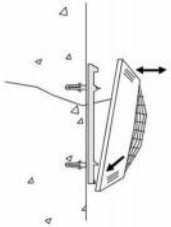
This underwater light must be installed by a licensed or certified electrician in accordance with the National Electrical Code and all applicable local codes and ordinances .Improper installation will create an electrical hazard which could result in death or serious injury to pool users ,installer ,or others due to electrical shock ,and may also cause damage to property Read and follow the specific instructions below.

1. Anew lens gasket
2. Alamp OR LED lamp disc

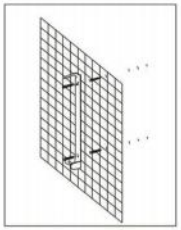
Installation Diagram



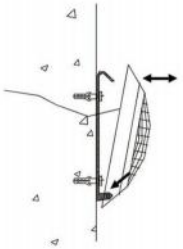
Plastic bracket diagram



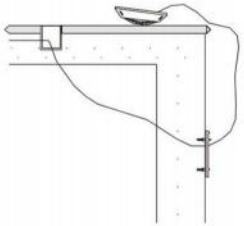
Plastic installation diagram



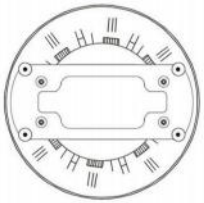
Plastic bracket diagram



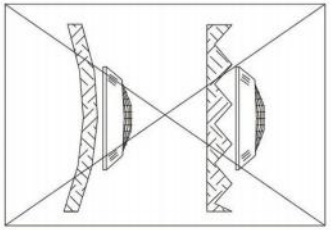
Plastic installation diagram

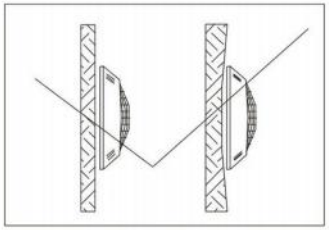


Maintenance state



Back of light installation diagram





Installation conditions

WARNING:

Before installing this underwater light ,read and follow all warning notices and instructions accompanying this light .Failure to follow safety warnings and instructions can result in severe injury ,death or property damage.

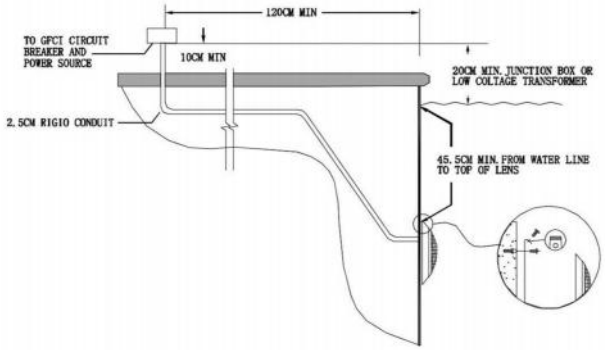
IMPORTANT NOTICE

Attention installer

This manual contains important information about the installation ,operation and safe use of this product .This information should be given to the owner/operator of this equipment .

INSTALLATION

A.Preparatory steps which must be completed by the electrician before light is installed,see Figure 1.



1.Ensure that the electrical system of the pool conforms with the requirements of the current all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the Underwater Light is installed.

a.The junction box ,or the low voltage transformer for 12 volt models ,is located at least 120CM from the edge of the pool ,see Figure 1.

b.The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded.

c.The mounting bracket must be properly installed so that the top edge of the Underwater Light's lens is at least 45.5CM below the surface of the water in the pool,see Figure 1.

d.The lighting circuit must have a Ground Fault Circuit Interrupter(GFCI),and must have an appropriately rated circuit breaker.

NOTE: The pool or spa electrical system can be verified with a pool and Spa Electrical Qualification Test kit .The electrical system inspection using this kit must be performed by trained and certified personal.

2.Consult the local building department to be certain that the pool's electrical system meets all applicable requirements.Perform

3.Feed cord through conduit to Junction Box ,leaving at least 120CM of cord at the light fixture to around the light,see Figure 1.This 120CM of cord around the light allows the light to be serviced after the pool is filled with water.

4.Cut the cord at the Junction Box ,leaving at least 15CM of cord to make conncetions.

5.Strip 15CM of the outer cord jacket to expose the three insulated wires .Be careful not to damage the insulation on the two/three(2/3) inner wires.

6.Connect all two/three(2/3) wires to the corresponding circuit wires in the Junction Box,and secure the Junction Box cover in place

7.Rotating locking System ensures light is secured to bracket

8.Par56 lamp is a light source,shell material including: full glass and PC, or PC and stainless steel bottom. Using light source should be Coordinated with other embedded shell.it wll be Embedded pool lighting after equipped with embedded shell, and also Coordinating with other shell for other purposes.

Replacement bulb or LED lamp

Always disconnect power to the pool light at the circuit breaker before servicing the light.Failure to do so could result in death or serious injury to installers,servicemen ,pool users,or others due to electrical shock.

A.Turn off main electrical switch or circuit breaker,as well as the switch which operates the underwater light itself.

B.You will need the following items:

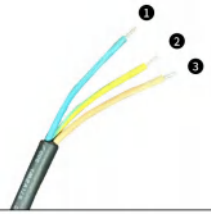
RGB/RGBW color Lights with Remote Controller Operation:

120V

ON key: Power On OFF key: Power off
BRI+ KEY: brightness +,10 grade in total
BRI- KEY: /brightness -,10 grade in total
B/PU key: slow animation blue/purple
G/YE key: slow animation green/yellow
B/CY key: slow animation blue/cyan
R key: static red color G key: static green color
B key: static blue color WHT key: static white color
YE key: static yellow color (R+G)
CY key: static cyan color (G+B)
PU key: static purple color (R+B)
Rainbow key: 15 colors gradual changing
Four seasons key: 4 colors gradual changing
DISCO key: 15 colors flash changing
PARTY key: 15 colors jump changing

12V

ON key: Power On OFF key: Power off
SPEED KEY（left）: brightness +,10 grade in total
SPEED KEY（right）: /brightness -,10 grade in total
7color Flashing key: slow animation blue/purple
7color JUMP key: slow animation green/yellow
RGB JUMP key: slow animation blue/cyan
R key: static red color G key: static green color
B key: static blue color WHT key: static white color
YE key: static yellow color (R+G)
CY key: static cyan color (G+B)
PU key: static purple color (R+B)
RGB JUMP key（right）: 15 colors gradual changing
7color Gradual key: 4 colors gradual changing
RGB Gradual key: 15 colors flash changing
6color Gradual: 15 colors jump changing



❶ Blue line: Fire line or zero line

❷ Yellow-green line: Ground wire
(You can pick it up or not)

❸ Brown thread: Fire line or zero line

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UNDERWATER LIGHTS OPERATING INSTRUCTIONS

SH101100

1.Installed in new concrete pool shell fixed lamps and lights

11.Replacement Lamp

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light

Waterproof Rating: IP68 Amp Rating: 4.5A max

Light Working Voltage:12V AC/120V AC (with mention on the box)

Wattage: 35W Luminous Flux:1700 Lumen

Users are advised to replace the gasket with a new one, otherwise the warranty won't be offered for damages caused by water leakage.

- Important safety instructions
- Read and follow all the instructions
- Save These Instructions

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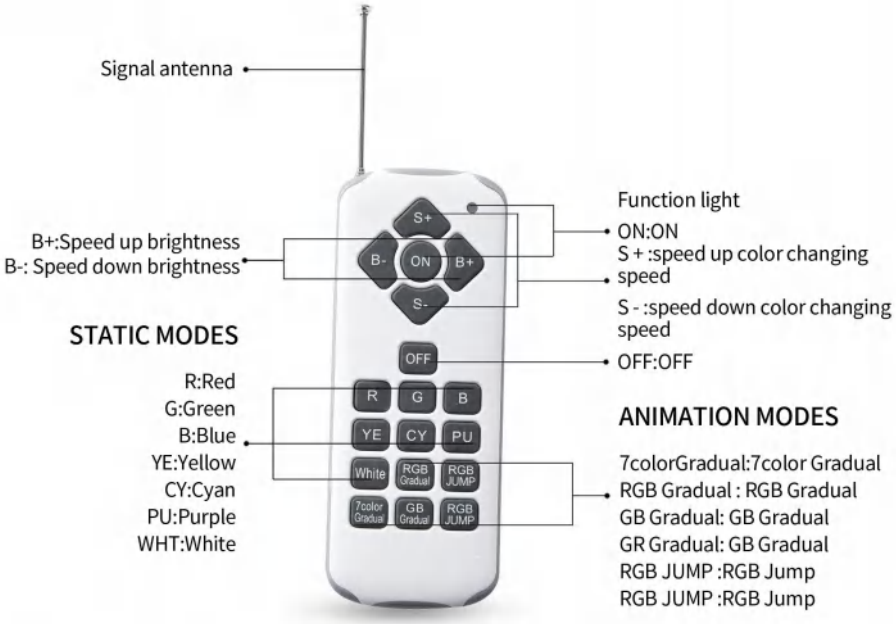
DESCRIPTION WITH THE REMOTE CONTROL



1. power on by AC12V(AC120V) transformer which is power enough,lights on,the color mode is 7 colors scrolling(R/G/B/R+G/R+B/G+B/R+G+B),then press buttons to choose the color modes,time interval for press buttons must be 1-2seconds.
2. When using the remote control, make sure the antenna is stretch, to receive the signal well,If you use one remote for more than 2pcs lights,Make sure the current of power supply is enough for all the lights. Cause the distance between remote control and lights are different. If you want all the lights color changing Synchronously,please press the button Continuously at least 2 seconds to make sure all lights at the same color mode. or cut off the transformer power over 10 seconds,then power on to make them Synchronized.
3. Use switch on/off transformer power when batteries of remote controller run out or there' s any other electromagnetism signal wish similar frequency around the lamps,changing one mode to next mode by switch on/off one time. Time interval for each switch no/off should be within 2S.
4. Do use the 120V power fix the 12V light .If the installation of the customer is not correct ,the electric light will break or leak, we will not be responsible.

RGB/RGBW color Lights with Remote Controller Operation:

120V

ON key: Power On OFF key: Power off
BRI+ KEY: brightness +,10 grade in total
BRI- KEY: /brightness -,10 grade in total
B/PU key: slow animation blue/purple
G/YE key: slow animation green/yellow
B/CY key: slow animation blue/cyan
R key: static red color G key: static green color
B key: static blue color WHT key: static white color
YE key: static yellow color (R+G)
CY key: static cyan color (G+B)
PU key: static purple color (R+B)
Rainbow key: 15 colors gradual changing
Four seasons key: 4 colors gradual changing
DISCO key: 15 colors flash changing
PARTY key: 15 colors jump changing

12V

ON key: Power On OFF key: Power off
SPEED KEY（left）: brightness +,10 grade in total
SPEED KEY（right）: /brightness -,10 grade in total
7color Flashing key: slow animation blue/purple
7color JUMP key: slow animation green/yellow
RGB JUMP key: slow animation blue/cyan
R key: static red color G key: static green color
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YE key: static yellow color (R+G)
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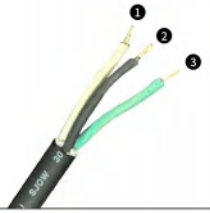
PU key: static purple color (R+B)
RGB JUMP key（right）: 15 colors gradual changing
7color Gradual key: 4 colors gradual changing
RGB Gradual key: 15 colors flash changing
6color Gradual: 15 colors jump changing



❶ White line: Negative electrode

❷ Black line: Positive electrode

❸ Green line: Ground wire

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UNDERWATER LIGHTS OPERATING INSTRUCTIONS
SH101300

1.Installed in new concrete pool shell fixed lamps and lights

11.Replacement Lamp

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light

Waterproof Rating: IP68 Amp Rating: 4.5A max

Light Working Voltage:12V AC/120V AC (with mention on the box)

Wattage: 35W Luminous Flux:1700 Lumen

Users are advised to replace the gasket with a new one, otherwise the warranty won't be offered for damages caused by water leakage.

- Important safety instructions
- Read and follow all the instructions
- Save These Instructions

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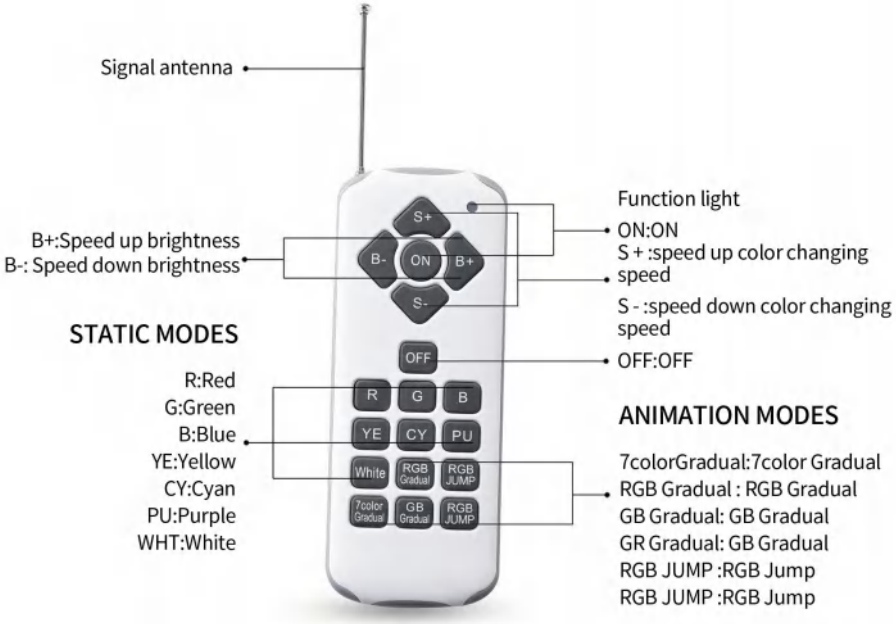
DESCRIPTION WITH THE REMOTE CONTROL



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4. Do use the 120V power fix the 12V light .If the installation of the customer is not correct ,the electric light will break or leak, we will not be responsible.

RGB/RGBW color Lights with Remote Controller Operation:

120V

ON key: Power On OFF key: Power off
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BRI- KEY: /brightness -,10 grade in total
B/PU key: slow animation blue/purple
G/YE key: slow animation green/yellow
B/CY key: slow animation blue/cyan
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B key: static blue color WHT key: static white color
YE key: static yellow color (R+G)
CY key: static cyan color (G+B)
PU key: static purple color (R+B)
Rainbow key: 15 colors gradual changing
Four seasons key: 4 colors gradual changing
DISCO key: 15 colors flash changing
PARTY key: 15 colors jump changing

12V

ON key: Power On OFF key: Power off
SPEED KEY（left）: brightness +,10 grade in total
SPEED KEY（right）: /brightness -,10 grade in total
7color Flashing key: slow animation blue/purple
7color JUMP key: slow animation green/yellow
RGB JUMP key: slow animation blue/cyan
R key: static red color G key: static green color
B key: static blue color WHT key: static white color
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CY key: static cyan color (G+B)
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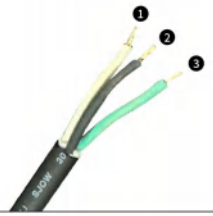
RGB Gradual key: 15 colors flash changing
6color Gradual: 15 colors jump changing



❶ White line: Negative electrode

❷ Black line: Positive electrode

❸ Green line: Ground wire

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UNDERWATER LIGHTS OPERATING INSTRUCTIONS
SH061400

SPECIFICATIONS

Pool light:

Dimension: Diameter 6" Depth 1" Material: 304L Solid and Sealed Light Waterproof Rating: IP68
Amp Rating: 4.5A max Light Working Voltage:12V AC/120V AC (with mention on the box)
Wattage: 9W Luminous Flux:1700Lumen

INSTALLATION

Small Stainless Steel Niche for Concrete Pool

Small Plastic Niche for Concrete Pool

Small Plastic Niche for Vinyl/Fiberglass Pool

We fit for Small 6 inch standard niches with a 12' pilot screw and 6' notch.
These niches above are not included in the package of PN02DC light. It is not provided. We only describe what kind of niche/housing that PN02DC would fit for since so many niches in the market.

We try to list some of the common niches that PN02DC could fit for:
45361500, 60028300, 78241202-4202, 78242200-2300, 78243100-3300, 78244100-4300, 79206600

We might miss some niches that been used in the market. Your niches/housings might not be just like the same with these units. But the main structure is the same. They would both have pilot holes in the upward side, and a little notch at the downward side.
If you cannot assure this light would fit for your niche, please feel free to ask and get more help with that. Some pics would help a lot.

RGB/RGBW color Lights with Remote Controller Operation:

120V

ON key: Power On OFF key: Power off
BRI+ KEY: brightness +,10 grade in total
BRI- KEY: /brightness -,10 grade in total
B/PU key: slow animation blue/purple
G/YE key: slow animation green/yellow
B/CY key: slow animation blue/cyan
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12V

ON key: Power On OFF key: Power off
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SPEED KEY（right）: /brightness -,10 grade in total
7color Flashing key: slow animation blue/purple
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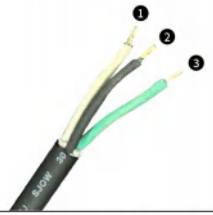

❶ White line: Negative electrode

❷ Black line: Positive electrode

❸ Green line: Ground wire

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UNDERWATER LIGHTS OPERATING INSTRUCTIONS

SH061450

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light Waterproof Rating: IP68
Amp Rating: 4.5A max Light Working Voltage:12V DC Controller input Voltage:120V
Controller output Voltage:12V Wattage: 18W Luminous Flux:5400 Lumen

INSTALLATION

Small Stainless Steel Niche for Concrete Pool

Small Plastic Niche for Concrete Pool

Small Plastic Niche for Vinyl/Fiberglass Pool

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If you cannot assure this light would fit for your niche, please feel free to ask and get more help with that. Some pics would help a lot.

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Section 1 Installing Light Fixture during New Construction

1.1 Preparing the light Fixture for installation

NOTE: The lights are available in 12 volt DC version. 12V transformer is built in the control box.
No extra transformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:

1. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for 120 volt models, and must have an appropriately rated circuit breaker.
2. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
3. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
4. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1.
5. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

Use only approved wet niches (see following note) to ensure a safe and proper installation.

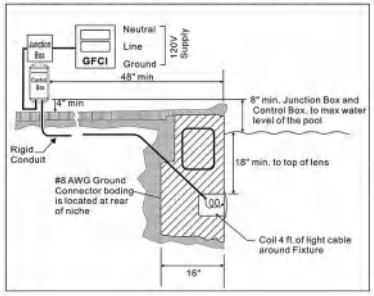


Figure 1

1.2 installing the light Fixture

1. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
2. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
3. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
4. Install strain relief over cord jacket and connect four wires to the 12V output of the control box .
5. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
6. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw. See Figure 3
7. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone, which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

1.3 Install the Pool Light on a Flat Wall in a Nicheless Pool

1. Install process is the same as the 1.2 except the mount of light.
2. Drill 1 hole on the flat place you intend to mount the pool light, use 1 expansion screw to fix the light.treat the light with silicon around the light.(you may need to cut off the bolt that is for wet niche install.)See Figure 2

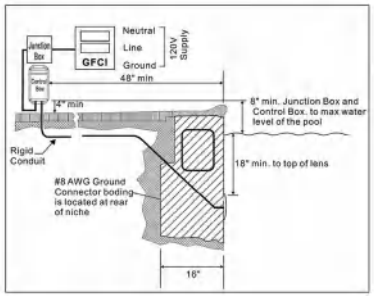


Figure 2

Section 2 Replacing New Pool Light Fixture in an Existing Pool or Spa

NOTE:The lights are availiable in 12-volt DC version.12V transformer is built in the control box.No extra tansformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed.

1. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:
2. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for Controller.
3. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
4. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
5. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

2.2 Replacing the light Fixture

1. Turn off the electrical switch or circuit breaker, as well as the switch, which operates the underwater light.
2. Unscrew the special pilot screw at top of the face ring and remove the light assembly from the niche, and place the assembly on the deck.
3. Remove Junction Box cover, disconnect the light fixture wires and strain relief, and then pull the cord out of the conduit from the niche.

TIP:

If your old pool light is useless, cut off the old light cord at the light back, connect the old cord with the new light cord. then pull the old cord form the junction box side, the new light cord goes in and the ending comes out of the conduit smoothly.

4. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
5. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
6. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
7. Install strain relief over cord jacket and connect four wires to the 12V output of the control box.
8. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
9. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw.
10. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

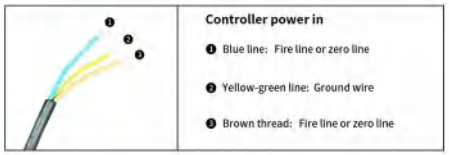
Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

Section 3 Installing the Control Box

Install the outdoor control box on vertical wall, If you can add an overhead awning on the box, it will be more better for protecting the control box.

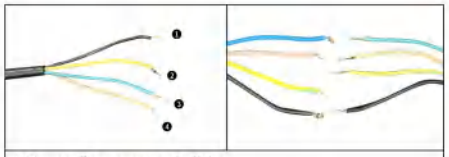
Section 4 Wiring the LED Pool Light

Wire the pool light to a standard switch or time switch .



Controller power in

1. Blue line: Fire line or zero line
2. Yellow-green line: Ground wire
3. Brown thread: Fire line or zero line



APP controller connect to the light

1. Black line: positive pole
2. Green wire: green light
3. Blue line: Blue light
4. Brown line: red light

(The same color as the light line can be docked)

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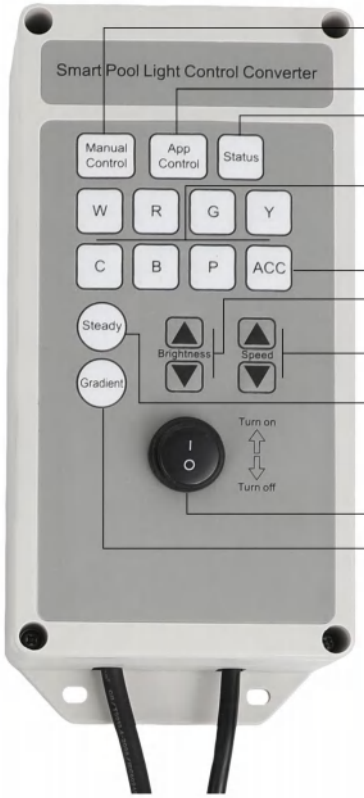
Manual control

You can control the light with the Manual Control button turning on
Press the button to control the light. the button functions are shown below



Press it to allow you can manually control the light

Press it to allow you can control the light via bluetooth

It will show the light status

Select Color

Select the 3-color gradient mode

Dimmer

Set the speed

Press the button, the light will be steady.

Main power switch

Press the button once , the light will switch to gradient mode. the light brightness will increase and decrease gradually. you can press the speed button to set the speed.

For Example.
1.press on/off switch to turn on the controller
2.press the switch " Manual Control"
3.press the button " Blue" once
4.the "Status Indicator" will light in blue and the pool light is also in blue
5.if you press the button" Gradient", pool light brightness will increase to max then decrease to minimum smooth and repeat. you can set the speed and brightness via the button "dimmer" and" speed".if you press the button " Steady", pool light will be stable in blue.
6.if you press the button "RGB Gradient".the light will switch color in red ,green and blue, meanwhile the brightness will increase to max then decrease to minimum and repeat. if you press the button" steady currently, the brightness will be stable but the pool light will switch color in red ,green and blue continually you can adjust the speed via the button" speed".

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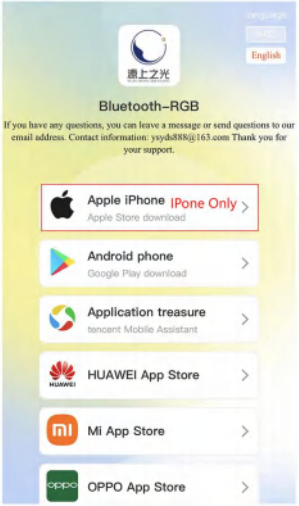
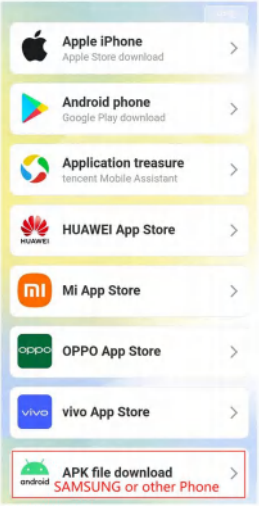
APP Bluetooth Control

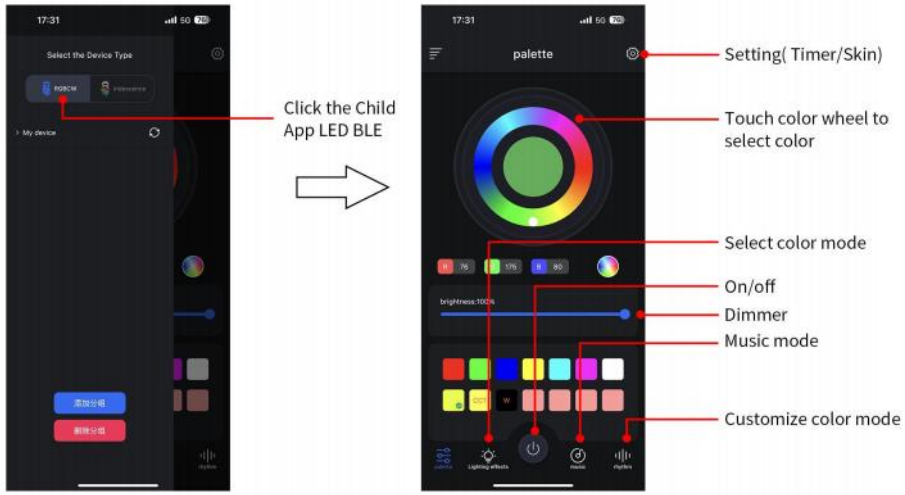
Download the free App named LED LAMP
Apple(iOS 11 or Later). Scan the bar code or go to the Apple Store to download the app LED LAMP. Android (v6.6 or later) smart devices. Scan the QR code or go to the Google Store to download the app LED LAMP.

http://www.xarverse.com/downloadPage/





Install the APP in your Smart Device,
Ensure bluetooth is on, press the button "App Bluetooth Control" on the control box,
Click the "LED LAMP" icon to start the APP. then click the child App "LED BLE".
DON'T PAIR THE DEVICE FROM THE BLUE TOOTH DEVICE LIST. THE APP WILL AUTOMATICALLY CONNECT CONTROLLER WITH 3-5 SECONDS, YOU WILL SEE THE TEXT" 1 CONNECTED" ON THE SCREEN TOP LEFT CORNER. IT MEANS THE CONNECTION IS SUCCESSFUL. then you Can operate the light freely. TIP: only one device can operate the light at the same time,
if you need to use another device to control the light, ensure the app has quit on other devices.

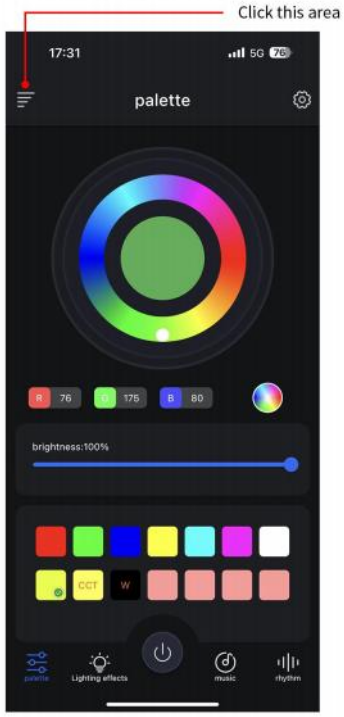


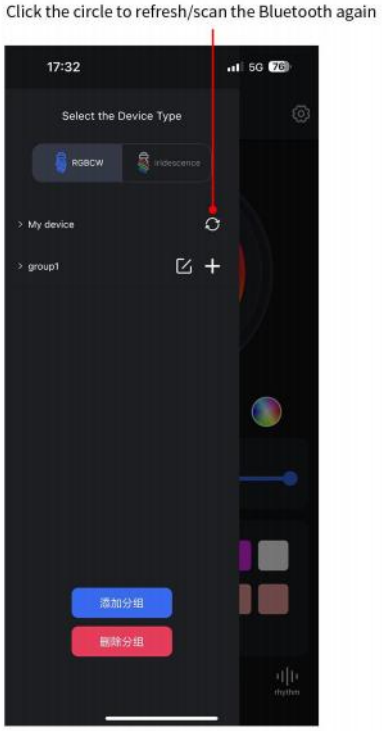
NOTE: Manual control setting and bluetooth control setting are stored in memory separately. manual control and bluetooth control will not change/overwrite each other.

Trouble Shooting

Scenario 1: can not build the connection to the controller through bluetooth
1. Ensure 120V power has been sent to the control box, check you junction box and GFCI.
2. Only one device can be used for Bluetooth at the same time, if other device has connected the bluetooh, you can't use the app to operate the light on your present device. please ensure the app has quit at other device completely.
3. Run app to connect controller, it will take 5-10 seconds to build the connection.
4, If the connection is successful, you will see the text"1 Connected" on the top left corner of the screen.
5. If it still doesn't work, delete the APP and reinstall it again to have another try.
6. You should allow App to access location in your Android device so that you can build the connect through Bluetooth.

Scenario 2: Can't connect Bluetooth.
Ensure the all device control button is on, try to set it as Figure 5 and 6.





Scenario 3: Can’ t turn on the pool light manually
1.Check the connection between the light and control box.
2.Ensure the 120V power supply is sent to the control box, then have a try.

Pomeade

6" Lightg

Compatible with

Small Niche for Concrete Pool
Not Included in Package

OR

Small Niche for Vinyl/Fiberglass Pool
Not Included in Package

10" Lightg

Compatible with

Large Niche for Concrete Pool
Not Included in Package

OR

Large Niche for Vinyl/Fiberglass Pool
Not Included in Package

Works with Concrete Pool and Vinyl/Fiberglass Pool
Solid and Sealed Light System
Replace Your Whole Existing Light Fixture Directly

Pomeade LED Color Pool light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1"
Material: 304L
Solid and Sealed Light
Waterproof Rating: IP68
Amp Rating: 4.5A max
Light Working Voltage:12V DC
Controller input Voltage:120V
Controller output Voltage:12V
Wattage: 35W
Luminous Flux:1700 Lumen

Controller:

Size: Width 4.37", Length 10.23", Height 2.44"
Housing Material: Nylon
100W 12V Transformer Built in the Control Box
Input Voltage: 120V or 220V
Output Voltage: 12V DC
Temperature Rating:-4F to 122F
Water and Dust Proof Rating: IP65
Button Backlighting Color: Red

2 Ways to Control the Pool Light

Bluetooth

Button

Pomeade

Installation Manual
SH101150

LED Underwater Smart Multicolor Pool Light

Large and Small Pool Light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light

Waterproof Rating: IP68 Amp Rating: 4.5A max Light Working Voltage:12V DC

Controller input Voltage:120V Controller output Voltage:12V DC

Wattage: 35W Luminous Flux:1700 Lumen

WARNING

FOR YOUR SAFETY-This product must be installed and serviced by a contract or who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. The maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. improper installation and/or operation will void the warranty. improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death. ATTENTION INSTALLER- This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

Pomeade

Section 1 Installing Light Fixture during New Construction

1.1 Preparing the light Fixture for installation

NOTE: The lights are available in 12 volt DC version. 12V transformer is built in the control box.
No extra transformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:

1. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for 120 volt models, and must have an appropriately rated circuit breaker.
2. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
3. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
4. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1.
5. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

Use only approved wet niches (see following note) to ensure a safe and proper installation.

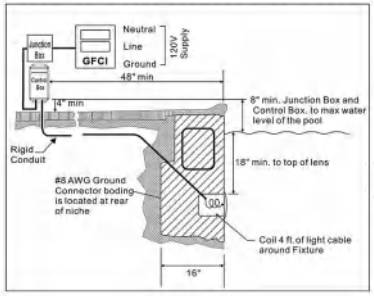


Figure 1

1.2 installing the light Fixture

1. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
2. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
3. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
4. Install strain relief over cord jacket and connect four wires to the 12V output of the control box .
5. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
6. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw. See Figure 3
7. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone, which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

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1. Install process is the same as the 1.2 except the mount of light.
2. Drill 1 hole on the flat place you intend to mount the pool light, use 1 expansion screw to fix the light.treat the light with silicon around the light.(you may need to cut off the bolt that is for wet niche install.)See Figure 2

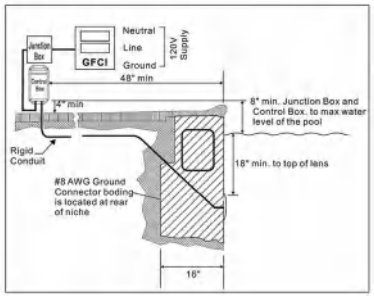

Figure 2

Section 2 Replacing New Pool Light Fixture in an Existing Pool or Spa

NOTE:The lights are availiable in 12-volt DC version.12V transformer is built in the control box.No extra tansformer is needed.

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2.2 Replacing the light Fixture

1. Turn off the electrical switch or circuit breaker, as well as the switch, which operates the underwater light.
2. Unscrew the special pilot screw at top of the face ring and remove the light assembly from the niche, and place the assembly on the deck.
3. Remove Junction Box cover, disconnect the light fixture wires and strain relief, and then pull the cord out of the conduit from the niche.

TIP:

If your old pool light is useless, cut off the old light cord at the light back, connect the old cord with the new light cord. then pull the old cord form the junction box side, the new light cord goes in and the ending comes out of the conduit smoothly.

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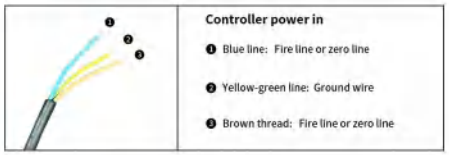
Section 3 Installing the Control Box

Install the outdoor control box on vertical wall, If you can add an overhead awning on the box, it will be more better for protecting the control box.

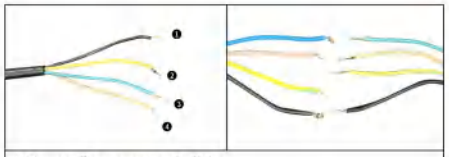
Section 4 Wiring the LED Pool Light

Wire the pool light to a standard switch or time switch .



Controller power in

1. Blue line: Fire line or zero line
2. Yellow-green line: Ground wire
3. Brown thread: Fire line or zero line



APP controller connect to the light

1. Black line: positive pole
2. Green wire: green light
3. Blue line: Blue light
4. Brown line: red light

(The same color as the light line can be docked)

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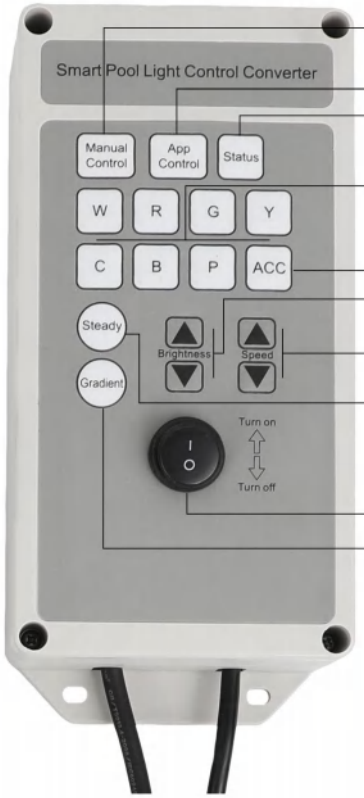
Manual control

You can control the light with the Manual Control button turning on
Press the button to control the light. the button functions are shown below



Press it to allow you can manually control the light

Press it to allow you can control the light via bluetooth

It will show the light status

Select Color

Select the 3-color gradient mode

Dimmer

Set the speed

Press the button, the light will be steady.

Main power switch

Press the button once , the light will switch to gradient mode. the light brightness will increase and decrease gradually. you can press the speed button to set the speed.

For Example.
1.press on/off switch to turn on the controller
2.press the switch " Manual Control"
3.press the button " Blue" once
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APP Bluetooth Control

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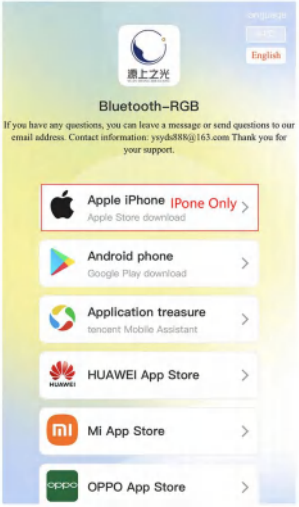

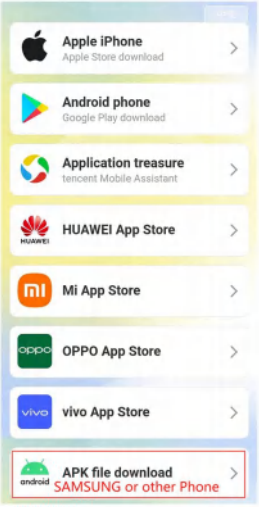

Install the APP in your Smart Device,
Ensure bluetooth is on, press the button "App Bluetooth Control" on the control box,
Click the "LED LAMP" icon to start the APP. then click the child App "LED BLE".
DON'T PAIR THE DEVICE FROM THE BLUE TOOTH DEVICE LIST. THE APP WILL AUTOMATICALLY CONNECT CONTROLLER WITH 3-5 SECONDS, YOU WILL SEE THE TEXT" 1 CONNECTED" ON THE SCREEN TOP LEFT CORNER. IT MEANS THE CONNECTION IS SUCCESSFUL. then you Can operate the light freely. TIP: only one device can operate the light at the same time,
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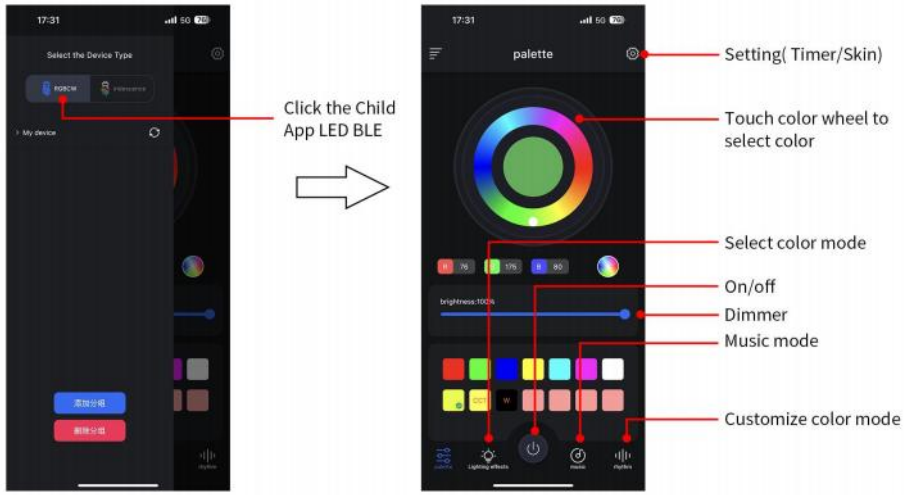

NOTE: Manual control setting and bluetooth control setting are stored in memory separately. manual control and bluetooth control will not change/overwrite each other.

Trouble Shooting

Scenario 1: can not build the connection to the controller through bluetooth
1. Ensure 120V power has been sent to the control box, check you junction box and GFCI.
2. Only one device can be used for Bluetooth at the same time, if other device has connected the bluetooh, you can't use the app to operate the light on your present device. please ensure the app has quit at other device completely.
3. Run app to connect controller, it will take 5-10 seconds to build the connection.
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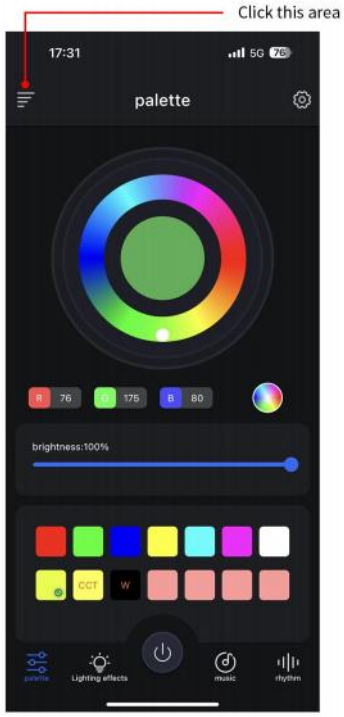
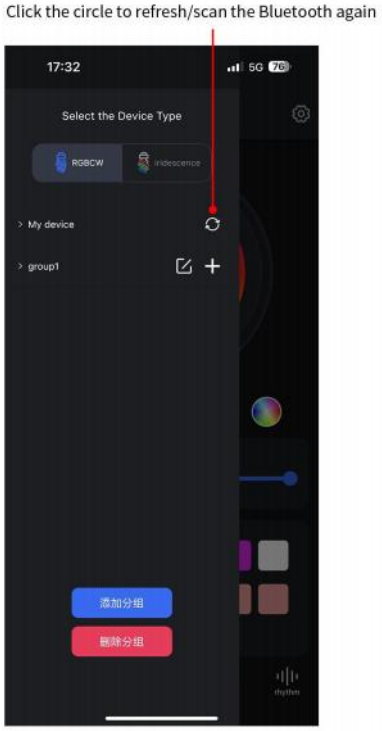
5. If it still doesn't work, delete the APP and reinstall it again to have another try.
6. You should allow App to access location in your Android device so that you can build the connect through Bluetooth.

Scenario 2: Can't connect Bluetooth.
Ensure the all device control button is on, try to set it as Figure 5 and 6.





Scenario 3: Can’ t turn on the pool light manually
1.Check the connection between the light and control box.
2.Ensure the 120V power supply is sent to the control box, then have a try.

Pomeade

6" Lightg

Compatible with

Small Niche for Concrete Pool
Not Included in Package

OR

Small Niche for Vinyl/Fiberglass Pool
Not Included in Package

10" Lightg

Compatible with

Large Niche for Concrete Pool
Not Included in Package

OR

Large Niche for Vinyl/Fiberglass Pool
Not Included in Package

Works with Concrete Pool and Vinyl/Fiberglass Pool
Solid and Sealed Light System
Replace Your Whole Existing Light Fixture Directly

Pomeade LED Color Pool light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1"
Material: 304L
Solid and Sealed Light
Waterproof Rating: IP68
Amp Rating: 4.5A max
Light Working Voltage:12V DC
Controller input Voltage:120V
Controller output Voltage:12V
Wattage: 35W
Luminous Flux:1700 Lumen

Controller:

Size: Width 4.37", Length 10.23", Height 2.44"
Housing Material: Nylon
100W 12V Transformer Built in the Control Box
Input Voltage: 120V or 220V
Output Voltage: 12V DC
Temperature Rating:-4F to 122F
Water and Dust Proof Rating: IP65
Button Backlighting Color: Red

2 Ways to Control the Pool Light

Bluetooth

Button

Pomeade

Installation Manual
SH101200

LED Underwater Smart Multicolor Pool Light

Large and Small Pool Light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light

Amp Rating: 4.5A max Light Working Voltage:12V DC Controller input Voltage:120V

Waterproof Rating: IP68 Controller output Voltage:12V

Wattage: 35W RGB:1700 Lumen White:5400 Lumen

WARNING

FOR YOUR SAFETY-This product must be installed and serviced by a contract or who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. The maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. improper installation and/or operation will void the warranty. improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death. ATTENTION INSTALLER- This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

Section 1 Installing Light Fixture during New Construction

1.1 Preparing the light Fixture for installation

NOTE: The lights are available in 12 volt DC version. 12V transformer is built in the control box.
No extra transformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:

1. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for 120 volt models, and must have an appropriately rated circuit breaker.
2. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
3. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
4. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1.
5. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

Use only approved wet niches (see following note) to ensure a safe and proper installation.

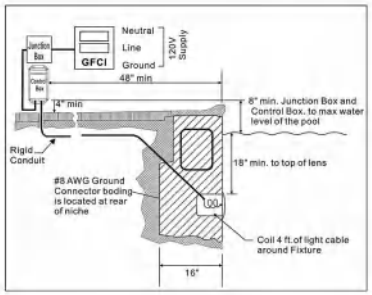


Figure 1

1.2 installing the light Fixture

1. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
2. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
3. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
4. Install strain relief over cord jacket and connect four wires to the 12V output of the control box .
5. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
6. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw. See Figure 3
7. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone, which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

1.3 Install the Pool Light on a Flat Wall in a Nicheless Pool

1. Install process is the same as the 1.2 except the mount of light.
2. Drill 1 hole on the flat place you intend to mount the pool light, use 1 expansion screw to fix the light.treat the light with silicon around the light.(you may need to cut off the bolt that is for wet niche install.)See Figure 2

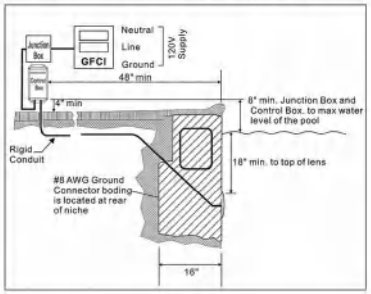


Figure 2

Section 2 Replacing New Pool Light Fixture in an Existing Pool or Spa

NOTE:The lights are availiable in 12-volt DC version.12V transformer is built in the control box.No extra tansformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed.

1. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:
2. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for Controller.
3. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
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2.2 Replacing the light Fixture

1. Turn off the electrical switch or circuit breaker, as well as the switch, which operates the underwater light.
2. Unscrew the special pilot screw at top of the face ring and remove the light assembly from the niche, and place the assembly on the deck.
3. Remove Junction Box cover, disconnect the light fixture wires and strain relief, and then pull the cord out of the conduit from the niche.

TIP:

If your old pool light is useless, cut off the old light cord at the light back, connect the old cord with the new light cord. then pull the old cord form the junction box side, the new light cord goes in and the ending comes out of the conduit smoothly.

4. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
5. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
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8. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
9. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw.
10. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

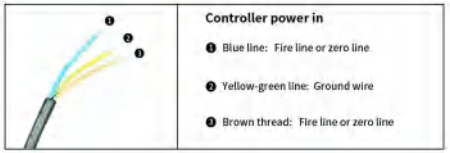
Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

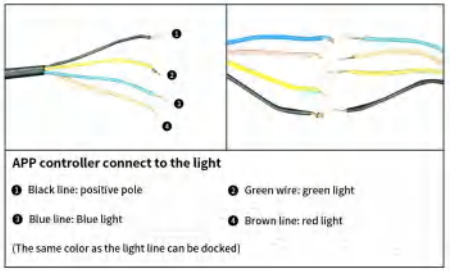
Section 3 Installing the Control Box

Install the outdoor control box on vertical wall, If you can add an overhead awning on the box, it will be more better for protecting the control box.

Section 4 Wiring the LED Pool Light

Wire the pool light to a standard switch or time switch .





Pomeade

Manual control

You can control the light with the Manual Control button turning on
Press the button to control the light. the button functions are shown below

Press it to allow you can manually control the light

Press it to allow you can control the light via bluetooth

It will show the light status

Select Color

Select the 3-color gradient mode

Dimmer

Set the speed

Press the button, the light will be steady.

Main power switch

Press the button once , the light will switch to gradient mode. the light brightness will increase and decrease gradually. you can press the speed button to set the speed.

For Example.
1.press on/off switch to turn on the controller
2.press the switch " Manual Control"
3.press the button " Blue" once
4.the "Status Indicator" will light in blue and the pool light is also in blue
5.if you press the button" Gradient", pool light brightness will increase to max then decrease to minimum smooth and repeat. you can set the speed and brightness via the button "dimmer" and" speed".if you press the button " Steady", pool light will be stable in blue.
6.if you press the button "RGB Gradient".the light will switch color in red ,green and blue, meanwhile the brightness will increase to max then decrease to minimum and repeat. if you press the button" steady currently, the brightness will be stable but the pool light will switch color in red ,green and blue continually you can adjust the speed via the button" speed".

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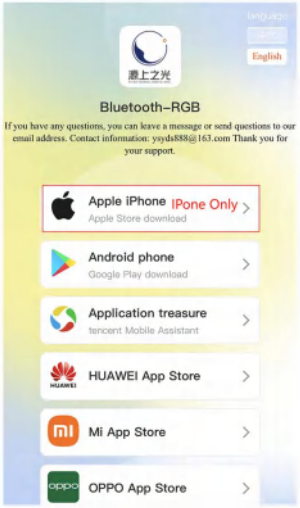
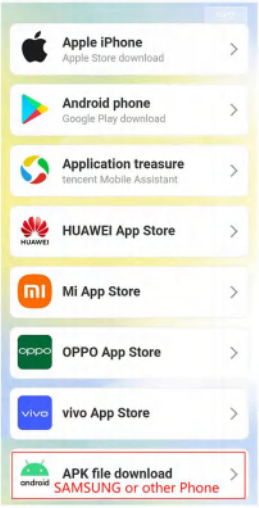
APP Bluetooth Control

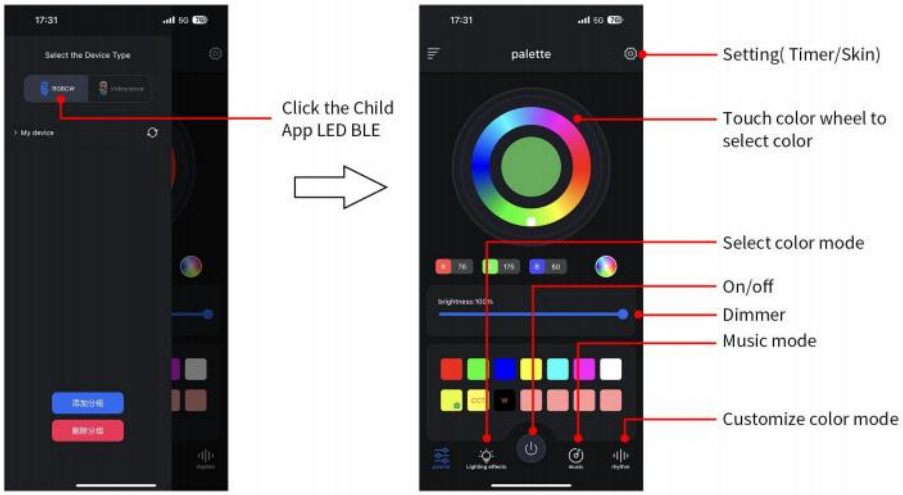
Download the free App named LED LAMP
Apple(iOS 11 or Later). Scan the bar code or go to the Apple Store to download the app LED LAMP. Android (v6.6 or later) smart devices. Scan the QR code or go to the Google Store to download the app LED LAMP.

http://www.xarverse.com/downloadPage/





Install the APP in your Smart Device,
Ensure bluetooth is on, press the button "App Bluetooth Control" on the control box,
Click the "LED LAMP" icon to start the APP. then click the child App "LED BLE".
DON'T PAIR THE DEVICE FROM THE BLUE TOOTH DEVICE LIST. THE APP WILL AUTOMATICALLY CONNECT CONTROLLER WITH 3-5 SECONDS, YOU WILL SEE THE TEXT" 1 CONNECTED" ON THE SCREEN TOP LEFT CORNER. IT MEANS THE CONNECTION IS SUCCESSFUL. then you Can operate the light freely. TIP: only one device can operate the light at the same time,
if you need to use another device to control the light, ensure the app has quit on other devices.



NOTE: Manual control setting and bluetooth control setting are stored in memory separately. manual control and bluetooth control will not change/overwrite each other.

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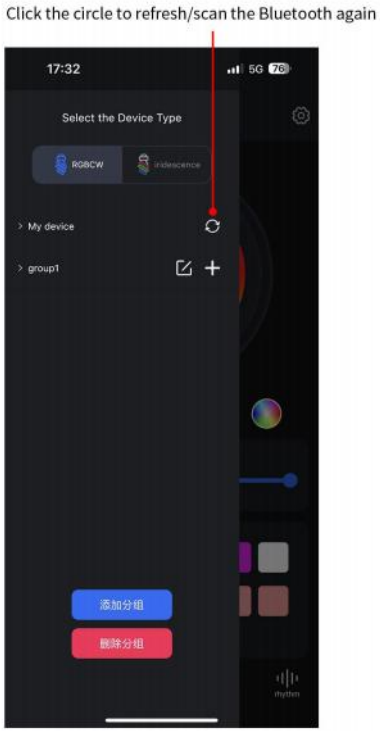
Trouble Shooting

Scenario 1: can not build the connection to the controller through bluetooth
1. Ensure 120V power has been sent to the control box, check you junction box and GFCI.
2. Only one device can be used for Bluetooth at the same time, if other device has connected the bluetooh, you can't use the app to operate the light on your present device. please ensure the app has quit at other device completely.
3. Run app to connect controller, it will take 5-10 seconds to build the connection.
4, If the connection is successful, you will see the text"1 Connected" on the top left corner of the screen.
5. If it still doesn't work, delete the APP and reinstall it again to have another try.
6. You should allow App to access location in your Android device so that you can build the connect through Bluetooth.

Scenario 2: Can't connect Bluetooth.
Ensure the all device control button is on, try to set it as Figure 5 and 6.



Scenario 3: Can' t turn on the pool light manually
1.Check the connection between the light and control box.
2.Ensure the 120V power supply is sent to the control box, then have a try.

Pomeade

6" Lightg

Compatible with

Small Niche for Concrete Pool
Not Included in Package

OR

Small Niche for Vinyl/Fiberglass Pool
Not Included in Package

10" Lightg

Compatible with

Large Niche for Concrete Pool
Not Included in Package

OR

Large Niche for Vinyl/Fiberglass Pool
Not Included in Package

Works with Concrete Pool and Vinyl/Fiberglass Pool
Solid and Sealed Light System
Replace Your Whole Existing Light Fixture Directly

Pomeade LED Color Pool light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1"
Material: 304L
Solid and Sealed Light
Waterproof Rating: IP68
Amp Rating: 4.5A max
Light Working Voltage:12V DC
Controller input Voltage:120V
Controller output Voltage:12V
Wattage: 35W
Luminous Flux:5400 Lumen

Controller:

Size: Width 4.37", Length 10.23", Height 2.44"
Housing Material: Nylon
100W 12V Transformer Built in the Control Box
Input Voltage: 120V or 220V
Output Voltage: 12V DC
Temperature Rating:-4F to 122F
Water and Dust Proof Rating: IP65
Button Backlighting Color: Red

2 Ways to Control the Pool Light

Bluetooth

Button

Pomeade

Installation Manual
SH061250

LED Underwater Smart Multicolor Pool Light
Large and Small Pool Light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light

Waterproof Rating: IP68 Amp Rating: 4.5A max Light Working Voltage:12V AC Wattage: 12W

Controller input Voltage:120V Controller output Voltage:12V RGB:1700 Lumen White:5400 Lumen

WARNING

FOR YOUR SAFETY-This product must be installed and serviced by a contract or who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. The maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. improper installation and/or operation will void the warranty. improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death. ATTENTION INSTALLER- This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

Pomeade

Section 1 Installing Light Fixture during New Construction

1.1 Preparing the light Fixture for installation

NOTE: The lights are available in 12 volt DC version. 12V transformer is built in the control box.
No extra transformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:

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2. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
3. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
4. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1.
5. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

Use only approved wet niches (see following note) to ensure a safe and proper installation.

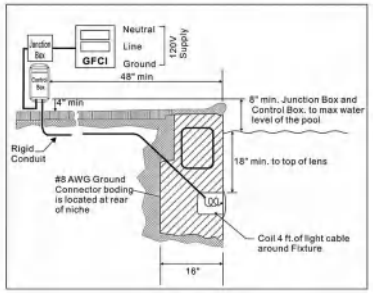

Figure 1

1.2 installing the light Fixture

1. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
2. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
3. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
4. Install strain relief over cord jacket and connect four wires to the 12V output of the control box .
5. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
6. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw. See Figure 3
7. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone, which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

1.3 Install the Pool Light on a Flat Wall in a Nicheless Pool

1. Install process is the same as the 1.2 except the mount of light.
2. Drill 1 hole on the flat place you intend to mount the pool light, use 1 expansion screw to fix the light.treat the light with silicon around the light.(you may need to cut off the bolt that is for wet niche install.)See Figure 2

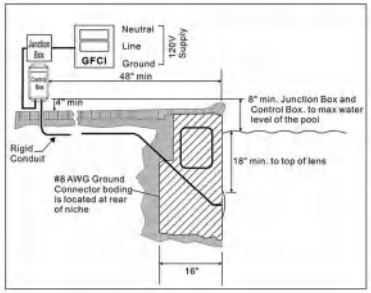

Figure 2

Section 2 Replacing New Pool Light Fixture in an Existing Pool or Spa

NOTE:The lights are availiable in 12-volt DC version.12V transformer is built in the control box.No extra tansformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed.

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2.2 Replacing the light Fixture

1. Turn off the electrical switch or circuit breaker, as well as the switch, which operates the underwater light.
2. Unscrew the special pilot screw at top of the face ring and remove the light assembly from the niche, and place the assembly on the deck.
3. Remove Junction Box cover, disconnect the light fixture wires and strain relief, and then pull the cord out of the conduit from the niche.

TIP:

If your old pool light is useless, cut off the old light cord at the light back, connect the old cord with the new light cord. then pull the old cord form the junction box side, the new light cord goes in and the ending comes out of the conduit smoothly.

4. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
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9. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw.
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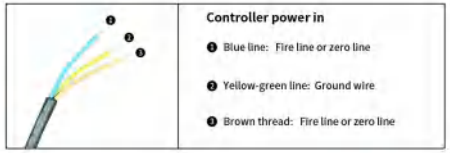
Section 3 Installing the Control Box

Install the outdoor control box on vertical wall, If you can add an overhead awning on the box, it will be more better for protecting the control box.

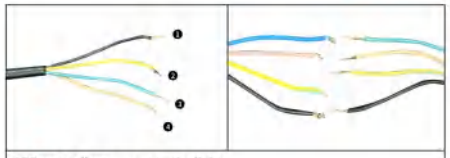
Section 4 Wiring the LED Pool Light

Wire the pool light to a standard switch or time switch .



Controller power in

1. Blue line: Fire line or zero line
2. Yellow-green line: Ground wire
3. Brown thread: Fire line or zero line



APP controller connect to the light

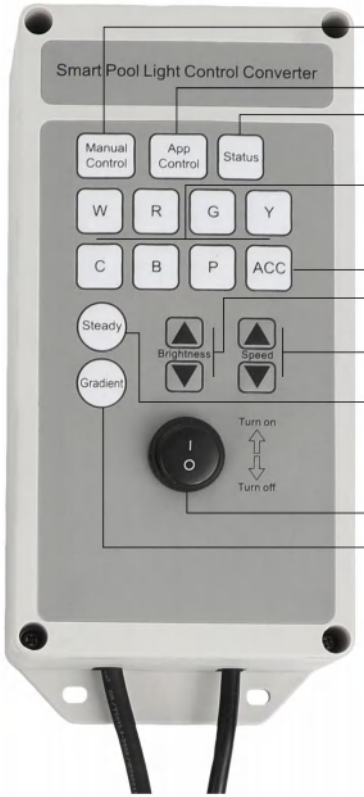
1. Black line: positive pole
2. Green wire: green light
3. Blue line: Blue light
4. Brown line: red light

(The same color as the light line can be docked)

Pomeade

Manual control

You can control the light with the Manual Control button turning on
Press the button to control the light. the button functions are shown below



Press it to allow you can manually control the light

Press it to allow you can control the light via bluetooth

It will show the light status

Select Color

Select the 3-color gradient mode

Dimmer

Set the speed

Press the button, the light will be steady.

Main power switch

Press the button once , the light will switch to gradient mode. the light brightness will increase and decrease gradually. you can press the speed button to set the speed.

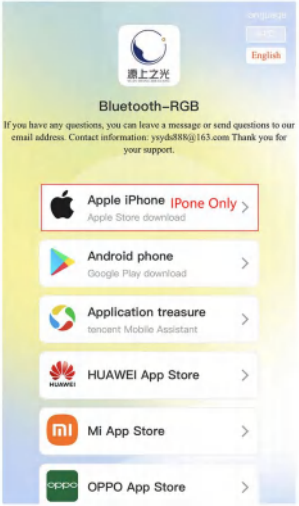
For Example.
1.press on/off switch to turn on the controller
2.press the switch " Manual Control"
3.press the button " Blue" once
4.the "Status Indicator" will light in blue and the pool light is also in blue
5.if you press the button" Gradient", pool light brightness will increase to max then decrease to minimum smooth and repeat. you can set the speed and brightness via the button "dimmer" and" speed".if you press the button " Steady", pool light will be stable in blue.
6.if you press the button "RGB Gradient".the light will switch color in red ,green and blue, meanwhile the brightness will increase to max then decrease to minimum and repeat. if you press the button" steady currently, the brightness will be stable but the pool light will switch color in red ,green and blue continually you can adjust the speed via the button" speed".

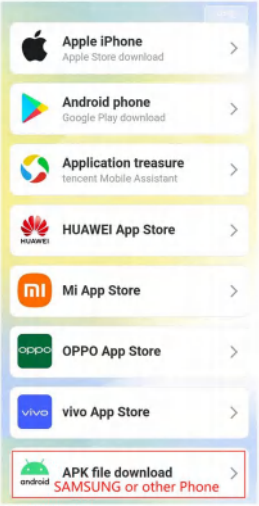
Pomeade

APP Bluetooth Control

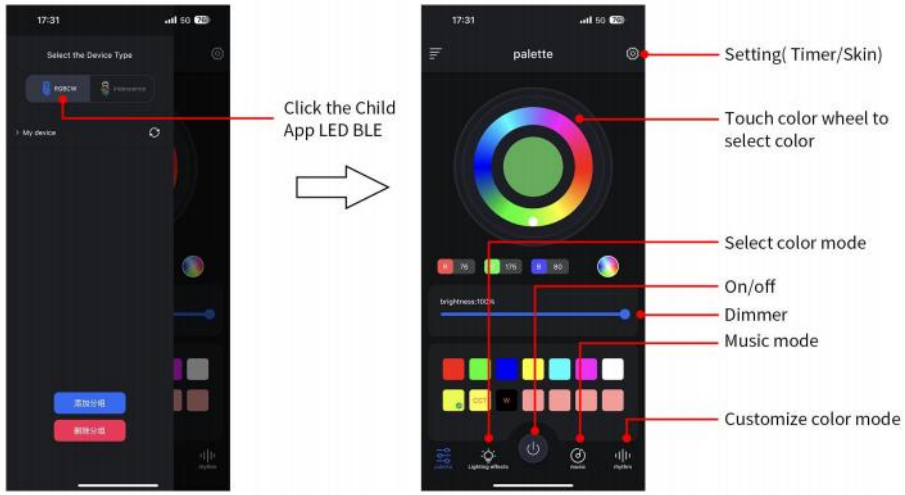
Download the free App named LED LAMP
Apple(iOS 11 or Later). Scan the bar code or go to the Apple Store to download the app LED LAMP. Android (v6.6 or later) smart devices. Scan the QR code or go to the Google Store to download the app LED LAMP.

http://www.xarverse.com/downloadPage/





Install the APP in your Smart Device,
Ensure bluetooth is on, press the button "App Bluetooth Control" on the control box,
Click the "LED LAMP" icon to start the APP. then click the child App "LED BLE".
DON'T PAIR THE DEVICE FROM THE BLUE TOOTH DEVICE LIST. THE APP WILL AUTOMATICALLY CONNECT CONTROLLER WITH 3-5 SECONDS, YOU WILL SEE THE TEXT" 1 CONNECTED" ON THE SCREEN TOP LEFT CORNER. IT MEANS THE CONNECTION IS SUCCESSFUL. then you Can operate the light freely. TIP: only one device can operate the light at the same time,
if you need to use another device to control the light, ensure the app has quit on other devices.



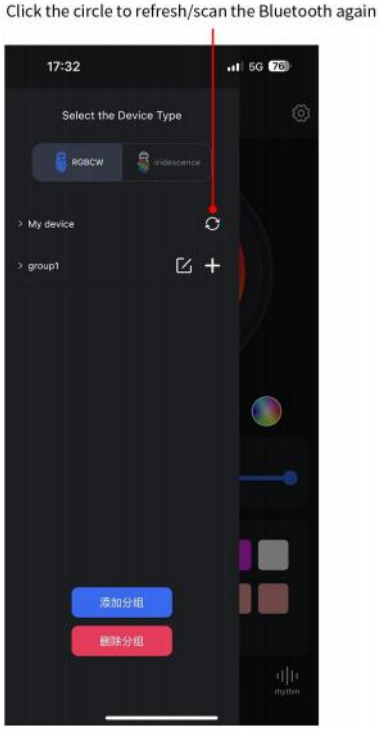
NOTE: Manual control setting and bluetooth control setting are stored in memory separately. manual control and bluetooth control will not change/overwrite each other.

Pomeade

Trouble Shooting

Scenario 1: can not build the connection to the controller through bluetooth
1. Ensure 120V power has been sent to the control box, check you junction box and GFCI.
2. Only one device can be used for Bluetooth at the same time, if other device has connected the bluetooh, you can't use the app to operate the light on your present device. please ensure the app has quit at other device completely.
3. Run app to connect controller, it will take 5-10 seconds to build the connection.
4, If the connection is successful, you will see the text"1 Connected" on the top left corner of the screen.
5. If it still doesn't work, delete the APP and reinstall it again to have another try.
6. You should allow App to access location in your Android device so that you can build the connect through Bluetooth.

Scenario 2: Can't connect Bluetooth.
Ensure the all device control button is on, try to set it as Figure 5 and 6.



Scenario 3: Can' t turn on the pool light manually
1.Check the connection between the light and control box.
2.Ensure the 120V power supply is sent to the control box, then have a try.

Pomeade

6" Lightg

Compatible with

Small Niche for Concrete Pool
Not Included in Package

OR

Small Niche for Vinyl/Fiberglass Pool
Not Included in Package

10" Lightg

Compatible with

Large Niche for Concrete Pool
Not Included in Package

OR

Large Niche for Vinyl/Fiberglass Pool
Not Included in Package

Works with Concrete Pool and Vinyl/Fiberglass Pool
Solid and Sealed Light System
Replace Your Whole Existing Light Fixture Directly

Pomeade LED Color Pool light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1"
Material: 304L
Solid and Sealed Light
Waterproof Rating: IP68
Amp Rating: 4.5A max
Light Working Voltage:12V AC
Controller input Voltage:120V
Controller output Voltage:12V
Wattage: 35W
Luminous Flux:5400 Lumen

Controller:

Size: Width 4.37", Length 10.23", Height 2.44"
Housing Material: Nylon
100W 12V Transformer Built in the Control Box
Input Voltage: 120V or 220V
Output Voltage: 12V DC
Temperature Rating:-4F to 122F
Water and Dust Proof Rating: IP65
Button Backlighting Color: Red

2 Ways to Control the Pool Light

Bluetooth

Button

Pomeade

Installation Manual
SH101350

LED Underwater Smart Multicolor Pool Light

Large and Small Pool Light

SPECIFICATIONS

Pool light:

Dimension: Diameter 10.23" Depth 1" Material: 304L Solid and Sealed Light

Waterproof Rating: IP68 Amp Rating: 4.5A max Light Working Voltage:12V DC

Controller input Voltage:120V Controller output Voltage:12V

Wattage: 35W Luminous Flux:1700 Lumen

WARNING

FOR YOUR SAFETY-This product must be installed and serviced by a contract or who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. The maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. improper installation and/or operation will void the warranty. improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death. ATTENTION INSTALLER- This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

Pomeade

Section 1 Installing Light Fixture during New Construction

1.1 Preparing the light Fixture for installation

NOTE: The lights are available in 12 volt DC version. 12V transformer is built in the control box.
No extra transformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:

1. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for 120 volt models, and must have an appropriately rated circuit breaker.
2. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
3. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
4. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1.
5. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

Use only approved wet niches (see following note) to ensure a safe and proper installation.

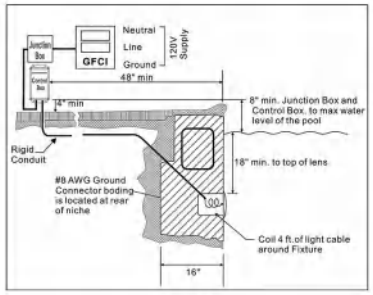


Figure 1

1.2 installing the light Fixture

1. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
2. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
3. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
4. Install strain relief over cord jacket and connect four wires to the 12V output of the control box .
5. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
6. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw. See Figure 3
7. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone, which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

1.3 Install the Pool Light on a Flat Wall in a Nicheless Pool

1. Install process is the same as the 1.2 except the mount of light.
2. Drill 1 hole on the flat place you intend to mount the pool light, use 1 expansion screw to fix the light.treat the light with silicon around the light.(you may need to cut off the bolt that is for wet niche install.)See Figure 2

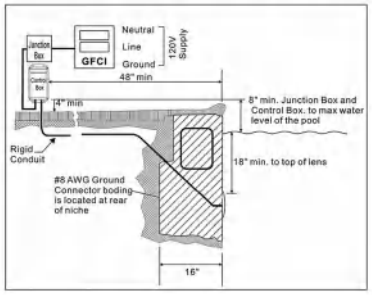


Figure 2

Section 2 Replacing New Pool Light Fixture in an Existing Pool or Spa

NOTE:The lights are availiable in 12-volt DC version.12V transformer is built in the control box.No extra tansformer is needed.

Ensure that the pool meets the requirements of the current National Electrical Code and all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed.

1. Some of the requirements of the National Electrical Code, which the pool electrical systems must meet, are as follows:
2. The lighting circuit must have a Ground Fault Circuit Interrupter (GFCI) for Controller.
3. The junction box (or, for 12 volt models, the low voltage transformer) must be located at least eight(8) inches above water level, at least four (4) inches above ground level, and at least four (4) feet from the edge of the pool. See Figure 1.
4. The light fixture and all metal items within five(5) feet of the pool must be properly electrically bonded to a reliable point of grounding.
5. The wet niche must be properly installed so that the top edge of the underwater light's lens is at least 18 inches below the surface of the water in the pool. See Figure 1. The wet niche must be properly electrically bonded and grounded via the No. 8 AWG ground connector located at the rear of the niche. See Figure 1.

2.2 Replacing the light Fixture

1. Turn off the electrical switch or circuit breaker, as well as the switch, which operates the underwater light.
2. Unscrew the special pilot screw at top of the face ring and remove the light assembly from the niche, and place the assembly on the deck.
3. Remove Junction Box cover, disconnect the light fixture wires and strain relief, and then pull the cord out of the conduit from the niche.

TIP:

If your old pool light is useless, cut off the old light cord at the light back, connect the old cord with the new light cord. then pull the old cord form the junction box side, the new light cord goes in and the ending comes out of the conduit smoothly.

4. Feed cord through conduit to junction box, leaving at least four (4) feet of cord at the light fixture to coil into the base of the light niche, see Figure 1. The four (4) feet of cord allows the light to be serviced after the pool is filled with water.
5. Cut the cord at the junction box, leaving at least six (6) inches of cord to make connections.
6. Strip 2 inches of the outer cord jacket to expose the 4 insulated wires. Be careful not to damage the insulation on the four inner wires.
7. Install strain relief over cord jacket and connect four wires to the 12V output of the control box.
8. Connect control box to 120V supply, Install strain relief over cord jacket and connect 120V input wires of control box to junction box. Black wire is line, white wire is neutral and green is ground.
9. Engage the retainer tab on the bottom of light back, then pivot the top of the fixture inward and tighten the special pilot screw.
10. Fill the pool until the underwater light is completely submerged in water before operating the light for more than 20 seconds. Turn on main switch or circuit breaker, as well as smart phone which operates the underwater light, to check for proper operation. Refer to the pool light operating instructions.

WARNING

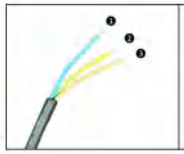
Never operate this underwater light for more than 20 seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of LEDs. This may result in serious injury to pool or spa users, installers, or bystanders or damage to property.

Section 3 Installing the Control Box

Install the outdoor control box on vertical wall, If you can add an overhead awning on the box, it will be more better for protecting the control box.

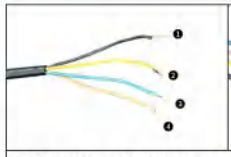
Section 4 Wiring the LED Pool Light

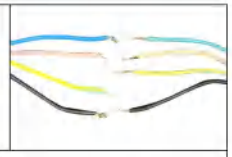
Wire the pool light to a standard switch or time switch .



Controller power in

1. Blue line: Fire line or zero line
2. Yellow-green line: Ground wire
3. Brown thread: Fire line or zero line





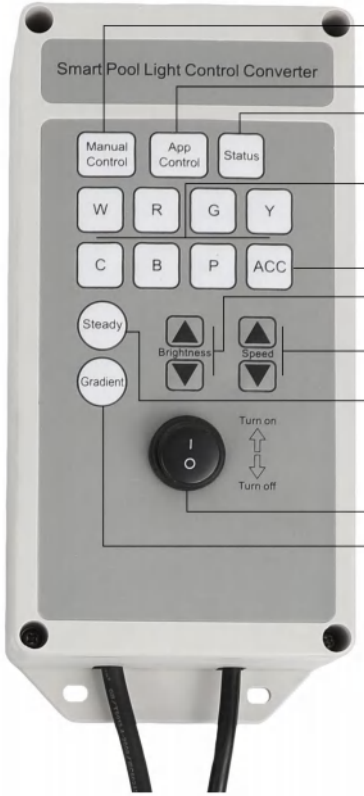
APP controller connect to the light

1. Black line: positive pole
2. Green wire: green light
3. Blue line: Blue light
4. Brown line: red light

(The same color as the light line can be docked)

Manual control

You can control the light with the Manual Control button turning on
Press the button to control the light. the button functions are shown below



Press it to allow you can manually control the light

Press it to allow you can control the light via bluetooth

It will show the light status

Select Color

Select the 3-color gradient mode

Dimmer

Set the speed

Press the button, the light will be steady.

Main power switch

Press the button once , the light will switch to gradient mode. the light brightness will increase and decrease gradually. you can press the speed button to set the speed.

For Example.
1.press on/off switch to turn on the controller
2.press the switch " Manual Control"
3.press the button " Blue" once
4.the "Status Indicator" will light in blue and the pool light is also in blue
5.if you press the button" Gradient", pool light brightness will increase to max then decrease to minimum smooth and repeat. you can set the speed and brightness via the button "dimmer" and" speed".if you press the button " Steady", pool light will be stable in blue.
6.if you press the button "RGB Gradient".the light will switch color in red ,green and blue, meanwhile the brightness will increase to max then decrease to minimum and repeat. if you press the button" steady currently, the brightness will be stable but the pool light will switch color in red ,green and blue continually you can adjust the speed via the button" speed".

Pomeade

APP Bluetooth Control

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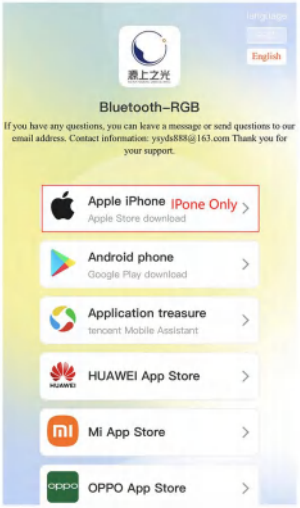

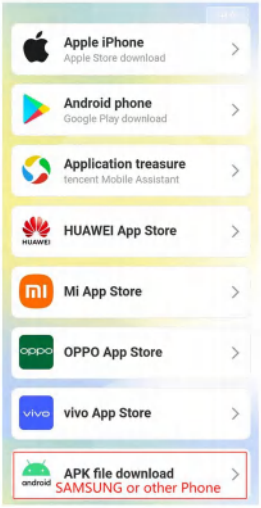

Install the APP in your Smart Device,
Ensure bluetooth is on, press the button "App Bluetooth Control" on the control box,
Click the "LED LAMP" icon to start the APP. then click the child App "LED BLE".
DON'T PAIR THE DEVICE FROM THE BLUE TOOTH DEVICE LIST. THE APP WILL AUTOMATICALLY CONNECT CONTROLLER WITH 3-5 SECONDS, YOU WILL SEE THE TEXT" 1 CONNECTED" ON THE SCREEN TOP LEFT CORNER. IT MEANS THE CONNECTION IS SUCCESSFUL. then you Can operate the light freely. TIP: only one device can operate the light at the same time,
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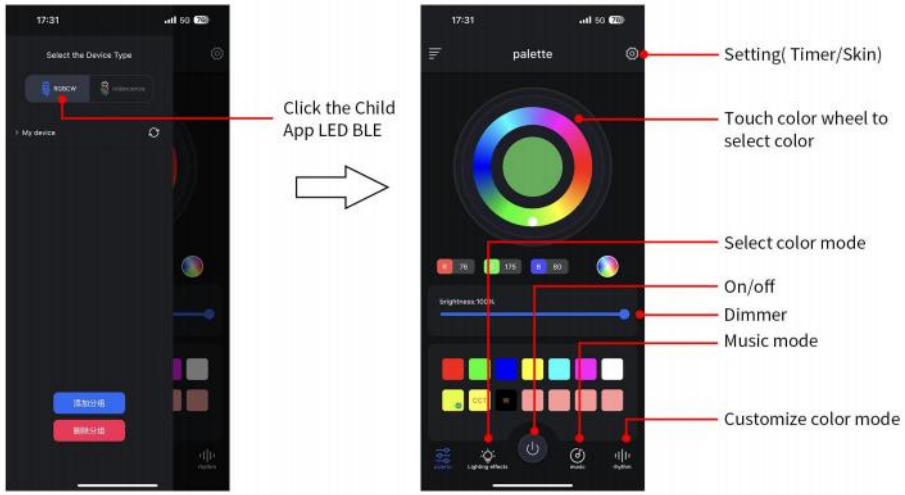
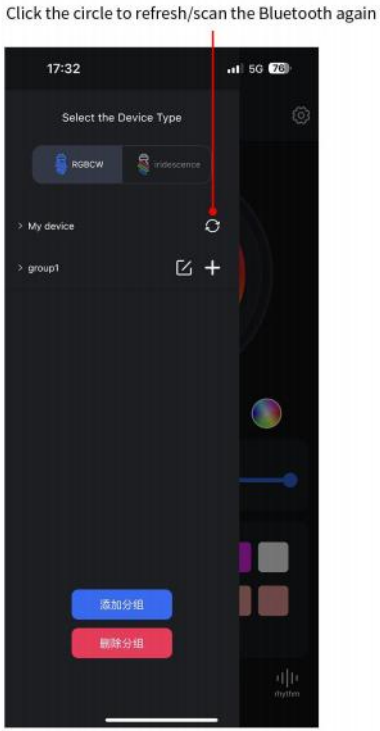


NOTE: Manual control setting and bluetooth control setting are stored in memory separately. manual control and bluetooth control will not change/overwrite each other.

Trouble Shooting

Scenario 1: can not build the connection to the controller through bluetooth
1. Ensure 120V power has been sent to the control box, check you junction box and GFCI.
2. Only one device can be used for Bluetooth at the same time, if other device has connected the bluetooh, you can't use the app to operate the light on your present device. please ensure the app has quit at other device completely.
3. Run app to connect controller, it will take 5-10 seconds to build the connection.
4, If the connection is successful, you will see the text"1 Connected" on the top left corner of the screen.
5. If it still doesn't work, delete the APP and reinstall it again to have another try.
6. You should allow App to access location in your Android device so that you can build the connect through Bluetooth.

Scenario 2: Can't connect Bluetooth.
Ensure the all device control button is on, try to set it as Figure 5 and 6.



Scenario 3: Can' t turn on the pool light manually
1.Check the connection between the light and control box.
2.Ensure the 120V power supply is sent to the control box, then have a try.

Pomeade

6" Lightg

Compatible with

Small Niche for Concrete Pool
Not Included in Package

OR

Small Niche for Vinyl/Fiberglass Pool
Not Included in Package

10" Lightg

Compatible with

Large Niche for Concrete Pool
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Works with Concrete Pool and Vinyl/Fiberglass Pool
Solid and Sealed Light System
Replace Your Whole Existing Light Fixture Directly

Pomeade LED Color Pool light

SPECIFICATIONS
Pool light:
Dimension: Diameter 10.23" Depth 1"
Material: 304L
Solid and Sealed Light
Waterproof Rating: IP68
Amp Rating: 4.5A max
Light Working Voltage:12V DC
Controller input Voltage:120V
Controller output Voltage:12V
Wattage: 35W
Luminous Flux:5400 Lumen

Controller:
Size: Width 4.37", Length 10.23", Height 2.44"
Housing Material: Nylon
100W 12V Transformer Built in the Control Box
Input Voltage: 120V or 220V
Output Voltage: 12V DC
Temperature Rating:-4F to 122F
Water and Dust Proof Rating: IP65
Button Backlighting Color: Red

2 Ways to Control the Pool Light

Bluetooth

Button

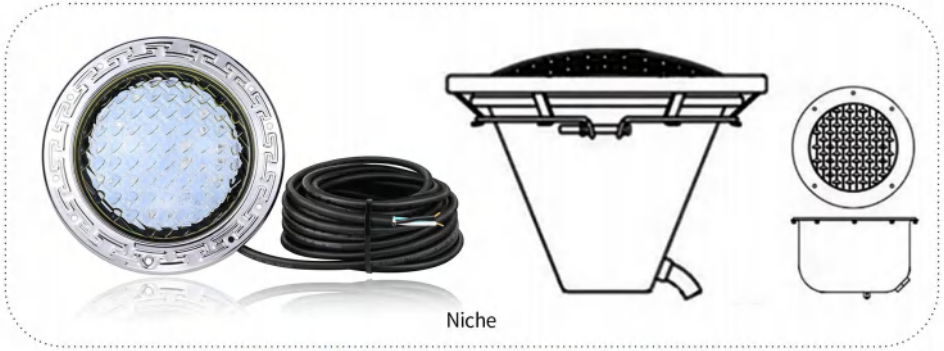
Pomeade

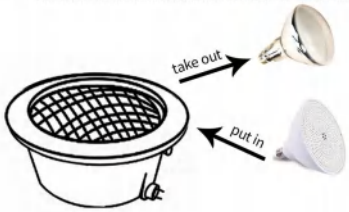
UNDERWATER LIGHTS OPERATING INSTRUCTIONS

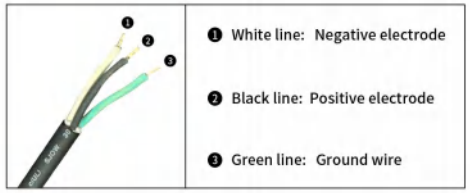
SH101500

1.Installed in new concrete pool shell fixed lamps and lights

11.Replacement Lamp







Users are advised to replace the gasket with a new one, otherwise the warranty won't be offered for damages caused by water leakage.

- Important safety instructions
- Read and follow all the instructions
- Save These Instructions

SPECIFICATIONS

Pool light:

Dimension: Diameter 6" Depth 1"
Material: 304L
Solid and Sealed Light
Waterproof Rating: IP68
Amp Rating: 4.5A max
Light Working Voltage:12V DC/120V DC (with mention on the box)
Wattage: 35W
Luminous Flux:5400 Lumen

Pomeade

THANK YOU FOR CHOOSING [POMEADE] INGROUND POOL LIGHT!

At [Pomeade], we're committed to providing you with the highest quality products to enhance your pool experience. Your satisfaction is our top priority, and we want to ensure you get the most out of your new inground pool light.

Here are a few tips to make the most of your purchase:

• Warranty and Support: For your peace of mind, all our pool lights come with a 3-year warranty. If you ever encounter any issues with your light, our responsive customer support team is here to assist you. Just contact us , and we'll resolve any concerns promptly in 24 hours. Even if you have passed Amazon's window period, you can still contact us to solve the problem. Contact method: First, log in to your Amazon and then enter the 'My Orders' page. On this page, you can find a list of products you previously purchased. Find the order you need to contact and click the "Contact Seller" button on the right side of the order. At this point, you will be redirected to the seller's contact page, where you can fill in your question and send it to us. we'll resolve any concerns promptly in 24 hours

• Easy Installation: Our pool lights are designed for hassle-free installation. Included in the package is a detailed installation manual to guide you through the process step by step. If you have any questions or encounter any issues during installation, please don't hesitate to reach out to our dedicated customer support team.

• Energy Efficient: [Pomeade] is committed to environmental sustainability. Our pool lights are energy-efficient, helping you save on electricity costs while still enjoying a beautifully lit pool.

• Stunning Illumination: Experience the magic of your pool at night with the mesmerizing illumination provided by our lights. The vibrant colors and adjustable settings will create an inviting ambiance for your evening swim or poolside gatherings.

• Durable and Long-Lasting: Our pool lights are built to withstand the rigors of the pool environment. They ar

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).