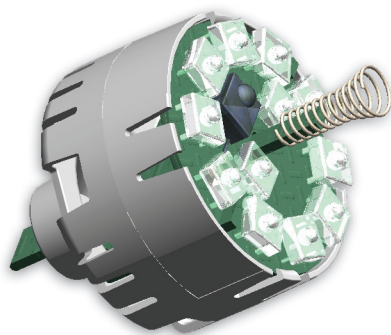


# CLS-2™

## CoolRays Light System



### User's Manual

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Installation & Instructions

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Specifications & Features

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## INTRODUCTION & FEATURES

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Water color effect systems are now a key feature in the selling process of portable spas. Color can entertain, soothe, relax and influence moods.

Our new user-friendly CLS-2 system offers all the potential of 12 smart-controlled red, green and blue LEDs. By pressing the **Light** key from keypad, the user can select a specific color or let the CLS-2 create cool rays of eye-pleasing color variations and perform stunning underwater light shows.

Our CLS-2 system is compatible with most of our spa packs, electronic controls for whirlpools and therapeutic baths. CLS-2 is simple to use, fits in standard spa light fixtures, is easy to install, quiet and maintenance-free.

## SPECIFICATIONS

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### Environmental conditions:

*Operating temperature*  
0 to 122°F (-17 to 50°C)

*Humidity*  
Up to 80% non-condensing

*Storage temperature*  
-40 to 160°F (-40 to 70°C)

### Electrical specifications:

12 VAC, 0.5 A, 50 Hz / 60 Hz

## FUNCTIONALITY

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System can be put in 2 different states:

- Scan - system changes color every 3 seconds
- Hold - last color selected is displayed

### Scan mode\*\*:

In this mode, the color changes every 3 seconds. In order to give feedback, the system will jump to the next color when entering the Scan mode.

### Hold mode\*\*\*:

This mode is used when the user wants to stop the system scanning colors and keep the last selected. In order to give feedback, LEDs will blink twice when the system switches from Scan to Hold mode (3-intensity light system only).

Note: It's possible to connect two CLS-2 in parallel (both systems will stay synchronized).

### Color pattern sequences are:

<i>Step</i>	<i>Color</i>
1	Slow Fade
2	Solid White
3	Solid Blue
4	Solid Cyan
5	Solid Pink
6	Solid Red
7	Solid Green
8	Solid Yellow
9	Flashing Fade
10	Las Vegas Roulette
11	Storm

## LIGHT CONFIGURATION - FROM KEYPAD

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### Single-intensity light system

- 1• Press **Light** key once and the first color pattern sequence will be displayed.
  - 2• To activate next color pattern sequence, press **Light** key again. Light will turn off, then press **Light** key within 3 seconds to activate the next color pattern sequence. If you don't press **Light** key within 3 seconds, you'll return to step 1.
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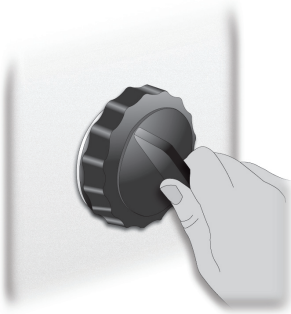
### Dual-intensity light system

- 1• Press **Light** key once to activate first color pattern sequence.
  - 2• Press **Light** key a second time if you want to be in Scan mode\*\*.
  - 3• If you are in Scan mode and want to activate Hold mode\*\*\*, press **Light** key. Light then turns off. Press **Light** key within 3 seconds and Hold mode will be activated. If you don't press **Light** key within 3 seconds, light stays off and you will have to return to step 1.
  - 4• If you are in Hold mode and want to go back to Scan mode, simply press **Light** key.  
If you want to turn light off, press **Light** key once (if you press **Light** key again within 3 seconds, you will go back to Hold mode).
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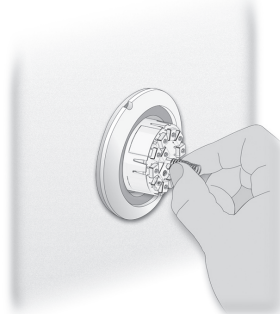
### Triple-intensity light system

- 1• Press **Light** key once to activate first color pattern sequence.
- 2• Press **Light** key a second time if you want to be in Scan mode\*\*.
- 3• Press **Light** key a third time if you want to be in Hold mode\*\*\*.
- 4• Pressing **Light** key a fourth time turns CLS-2 off.

## CLS-2 - INSTALLATION FROM INSIDE THE SPA

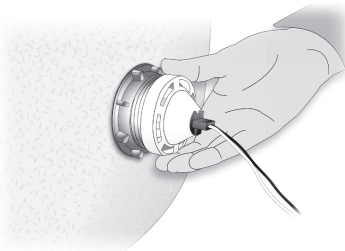


- 1 • Use front access light wrench to unscrew lens cover and remove light bulb or CLS-2.

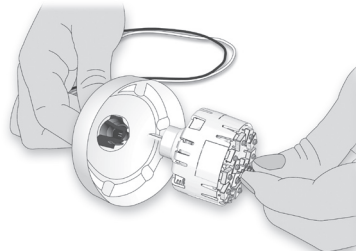


- 2 • Insert new CLS-2 in light socket until it holds firmly into position (use tab to insert).
- 3 • Screw lens back in ensuring water-proof gasket is correctly positioned.

## COOLRAYS-2 - INSTALLATION FROM UNDER THE SPA SKIRT



- 1 • Unscrew light socket plastic support and remove light bulb or CLS-2.



- 2 • Insert new CLS-2 in light socket until it holds firmly into position.
- 3 • Screw light socket plastic support back in.