

Shadow-Caster SCM-CLX-RGBW-SS RGBW Courtesy Light



# Shadow-Caster SCM-CLX-RGBW-SS RGBW Courtesy Light Instruction Manual

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## Shadow-Caster SCM-CLX-RGBW-SS RGBW Courtesy Light



## Product Information

## Specifications

- **Product Model:** SCM-CLX-RGBW-SS
- **Product Type:** Front Facing Courtesy Light
- **Version:** 2024.01

## Product Usage Instructions

### Single Color Lighting

- To set the CLX Courtesy Light to illuminate in a single color (red, green, blue, or white), simply ground the corresponding wire color.
- For example, to set the light to green only ground the green wire.

### Two Color Lighting

- To set the CLX Courtesy Light to illuminate with two colors, connect the selected color wiring to a 3-position switch.
- For example, to achieve a blue-white configuration, connect the blue and white wires to the switch.

### Full RGBW Lighting

- To set the CLX Courtesy Light to illuminate with the full-color spectrum, connect all wires to a Shadow-Caster lighting controller.
- In this example, the connection is made to the Single Zone Lighting Controller (SCM-SZ-RGB).
- However, it could also be connected to the Light Commander series controllers (SCM-LC-N2K series).

## Mounting Instructions

1. Find a flat spot to mount the CLX Courtesy Light.
2. Print the mounting template and tape it to your preferred mounting location.
3. Drill the pilot holes and center holes according to the dimensions specified in the template.
4. Apply a marine sealant around the base and mounting hardware.
5. Use Perma-Seal connectors for the wiring.
6. Install the stainless steel cover by snapping it into place over the top of the courtesy light to conceal the mounting hardware.

## FAQ

### **Q: How do I set the CLX Courtesy Light to illuminate in a specific color?**

- **A:** To set the light to a specific color, ground the corresponding wire color.
  - For example, to set it to green, ground the green wire.

### **Q: Can I have the CLX Courtesy Light illuminated with two colors?**

- **A:** Yes, you can connect the selected color wiring to a 3-position switch to achieve two-color lighting.

**Q: How do I achieve full RGBW lighting with the CLX Courtesy Light?**

- **A:** Connect all wires to a Shadow-Caster lighting controller, such as the Single Zone Lighting Controller (SCM-SZ-RGB) or Light Commander series controllers (SCM-LC-N2K series).

## DESCRIPTION

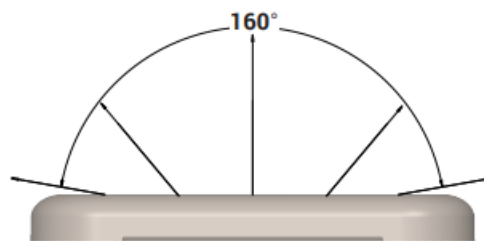
- The Shadow-Caster® CLX Courtesy Light is an innovative solution for lighting accent and functional areas of your vessel.
- These front-facing lights have a true white channel for plenty of light efficiency, are waterproof, and are designed with a low profile to create a seamless look on your boat.
- Beautifully light your boat's steps, coves, shelves, compartments, and work areas with our CLX Courtesy Lights.

## SPECIFICATIONS

- Up to 80 lumens of white light
- Current draw 50mA for each channel (red, green, blue, and white)
- 12V DC, 300mA max current
- 1.5W max power dissipation
- UV-stabilized polycarbonate housing
- Stainless steel 316 polished bezel
- IP67 water-resistant design
- 5 conductor RGBW wire
- 3" x 1" x 0.32" [76.2 x 25.4 x 8.13mm]

## LIGHT OUTPUT PATTERN

- The Shadow-Caster® CLX Courtesy Light provides an extra wide 160° angle of illumination to efficiently light your boat's steps, coves, shelves, compartments, and work areas.

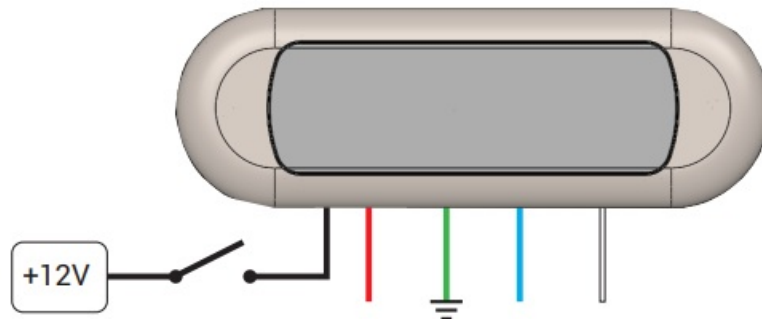


## OPERATION, WIRING & USE SCHEMATICS

- The CLX RGBW has four independent color channels: red, green, blue, and a true 6000 Kelvin CCT white.
- Depending on the desired application, the light can be used as a single-color light, a two-color light with a switch, or used with Shadow-Caster® lighting controllers for dimming and full-color control.

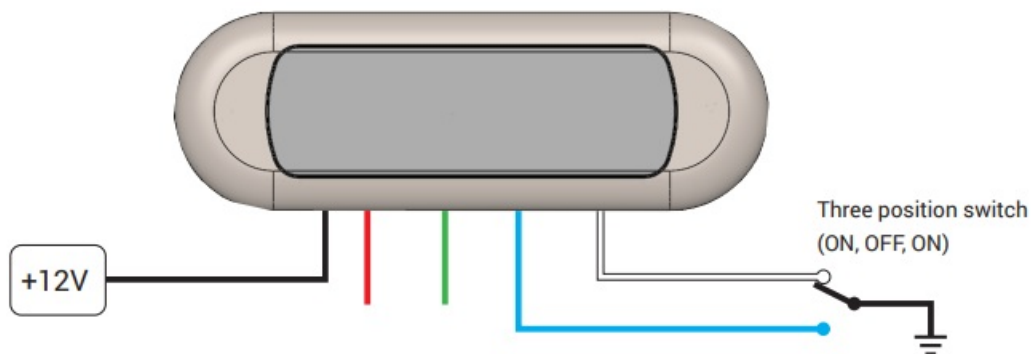
## SINGLE COLOR LIGHTING

- To set the CLX Courtesy Light to illuminate in a single color (red, green, blue, or white), simply ground the corresponding wire color.
- This example shows the green wire is grounded, fixing the color to green only.



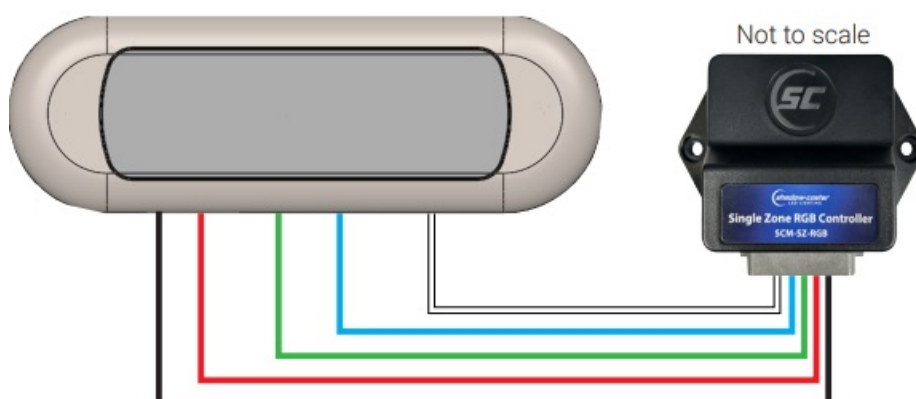
## TWO COLOR LIGHTING

- To set the CLX Courtesy Light to illuminate with two colors, connect the selected color wiring to a 3-position switch.
- This example shows a blue-white configuration.



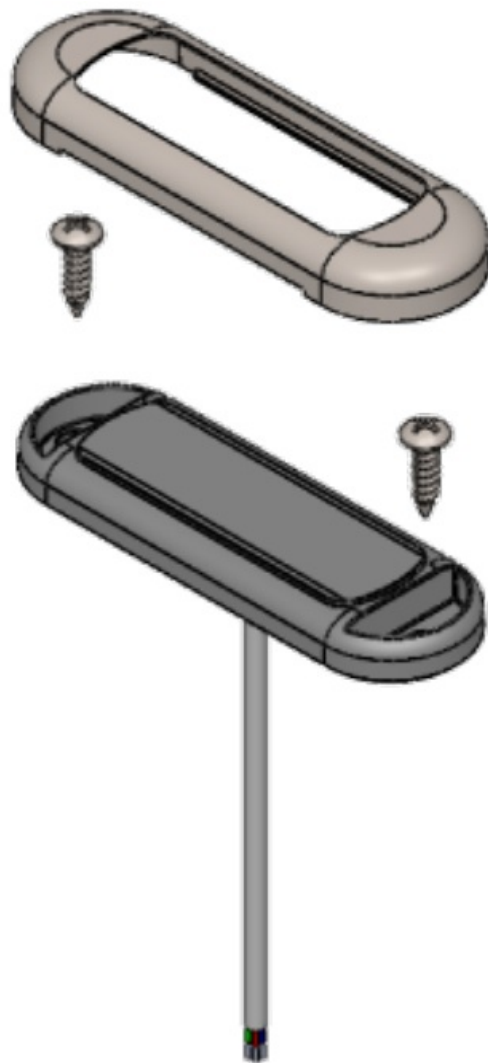
## FULL RGBW LIGHTING

- To set the CLX Courtesy Light to illuminate with the full-color spectrum, connect all wires to a Shadow-Caster lighting controller.
- This example shows the connection to the Single Zone Lighting Controller (SCM-SZ-RGB). A connection could instead be made to the Light Commander series controllers (SCM-LC-N2K series).



## MOUNTING INSTRUCTIONS

1. Find a flat spot to mount the CLX Courtesy Light.
2. Print the mounting template and tape it to your preferred mounting location.
3. Drill the pilot holes and center holes.
4. Use a marine sealant around the base and mounting hardware.
5. Use Perma-Seal connectors for the wiring.
6. Install the stainless steel cover. This will snap into place over the top of the courtesy light to conceal the mounting hardware.

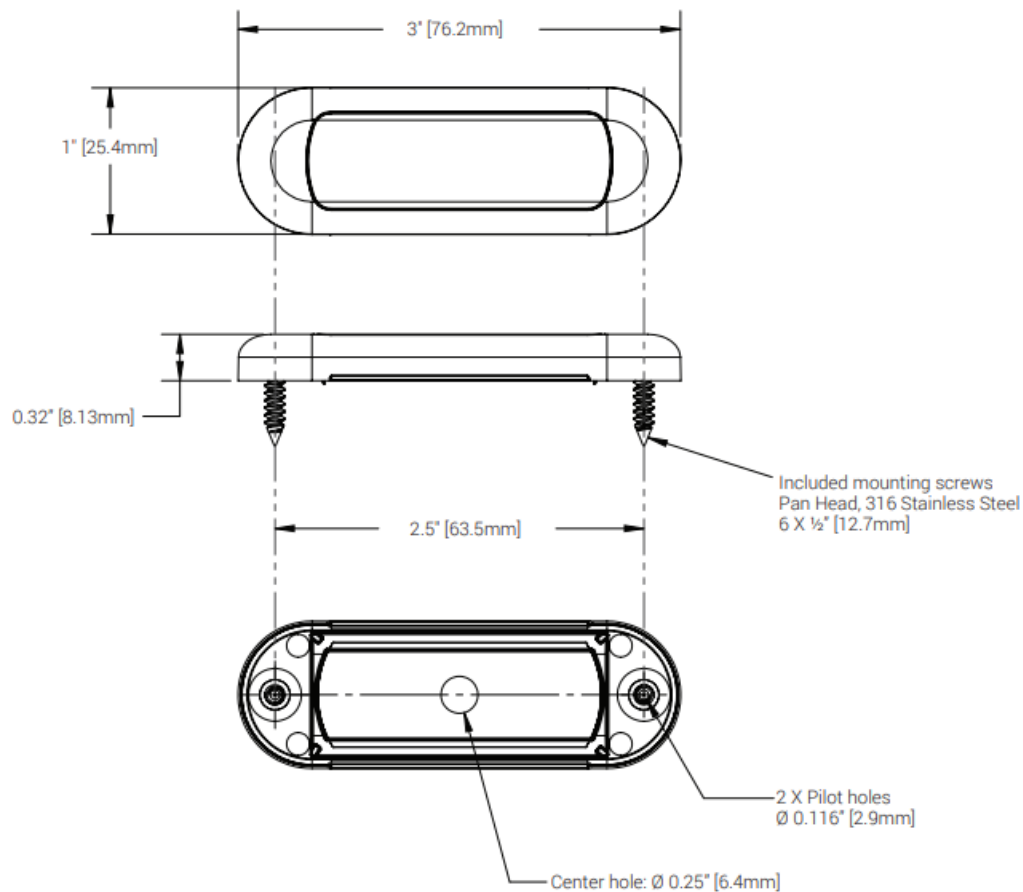


## **MOUNTING TEMPLATE & DIMENSIONS**

### **IMPORTANT!**

When printing installation templates, please ensure your printer is set to print at 'Actual Size' and double-check check all printed dimensions exactly match the specified dimensions.

**SCALE 1:1**



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## Documents / Resources

	<p><a href="#">Shadow-Caster SCM-CLX-RGBW-SS RGBW Courtesy Light</a> [pdf] Instruction Manual SCM-CLX-RGBW-SS, SCM-CLX-RGBW-SS RGBW Courtesy Light, RGBW Courtesy Light, Co urtesy Light, Light</p>
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## References

- [Trending | Caster.com](#)
- [LED Lighting for Boats & Yachts | Shadow-Caster](#)
- [LED Lighting for Boats & Yachts | Shadow-Caster](#)

- [User Manual](#)

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