SCM-Series™

Color-Caster™ SCM-CC™ OPERATING INSTRUCTIONS

Connections: Red Wire: +12 or +24 Volts, 3.5 Amps at 12 Volts, 1.8 Amps at 24 Volts.
Black Wire: Common Ground
Green Wire: Optional *'Push button'* Control Wire (Install a momentary *'Push button'* that connects this wire to ground.)
Orange, Yellow Wire: Shadow-NET™ connections. These are for connection to a Shadow-NET™ compatible controller. If no Shadow-NET™ connection is present, simply leave unconnected.
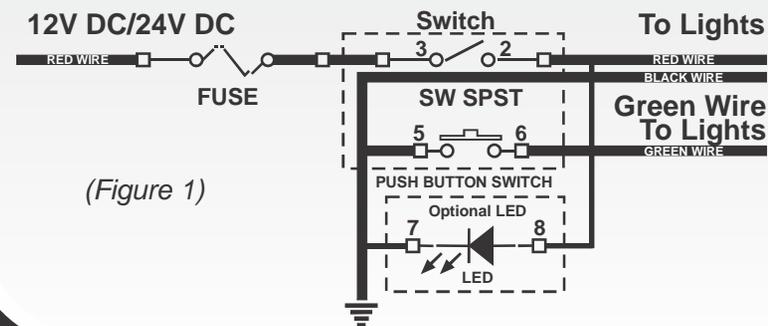
Operation: The Color-Caster™ SCM-CC™ is an underwater light that can be easily changed between four colors: *Blue, White, Green and Red.*

There are (3) three ways of communicating with the light and telling it to change colors:
  1. *Power Toggle Control:* Done by quickly turning the input power off and then back on within 2 seconds.
  2. *Push Button Control:* This is an optional control that can be accomplished by installing a push button connected between the Ground and Green Wire *(See Figure 1)*.
  3. *Communicating directly to the light* with the *Shadow-NET™ interface.* This is done by installing a *Shadow-NET™* enabled Controller.

Power switch toggle: The **Color-Caster™** has unique circuitry to detect when the power has been toggled. The lights must be turned off and then back on within 2 seconds for this condition to be recognized. Toggling the power input will change the **Color-Caster™** light to the next color state. Toggling the Power Switch will cycle through the available colors in the sequence of Blue, White, Green and Red. When the power is turned off for more than 10-seconds, the lights will reset and return to the Blue Color State.

Push Button: The push button interface requires the installation of a push button switch. This will access the additional features listed below. **Shadow-Caster** provides a marine grade ON/OFF switch with integrated power toggle and push button switch. The appropriate wiring for this is shown in *(See Figure 1)*.

By pressing the Push Button switch, the **Color-Caster™ SCM-CC™** will go through the following modes of operation:

1. *Strobe:* The lights will strobe on whichever color it is currently on.
2. *Blue to White Fade:* The **Color-Caster™ SCM-CC™** will fade from white to blue. They will change colors approximately every, 20 seconds
3. *(4) Color Fade:* The **Color-Caster™ SCM-CC™** will rotate between all four available colors on a 20-second cycle (1st: Blue, 2nd: White, 3rd: Red, and 4th: Green)
4. *Flash:* The lights will flash on whichever color they are set to.
5. *Multi -Color Flash:* The lights will flash and consecutively alternate between Red, Green, Blue and White.
6. *Back to Solid Color*

shadow-caster.com
MARINE LEDs

12V DC/24V DC
RED WIRE — FUSE

Switch
3 ⟋ 2
SW SPST
5 ⊸ ⊸ 6
PUSH BUTTON SWITCH
Optional LED
7 ⊸ ⊸ 8
LED

To Lights
RED WIRE
BLACK WIRE
Green Wire To Lights
GREEN WIRE

(Figure 1)

SCM-CC™