

MULTI-ZONE LIGHTING CONTROLLER

SCM-MZ-LC



**DESCRIPTION**

The SCM-MZ-LC is Shadow-Caster®'s Multi-Zone Lighting Controller. It must be paired with a CAN based control to be utilized. The SCM-MZ-LC will support a variety of network based input devices to configure and control the lighting. This controller can be ordered separately or as part of a kit. The SCM-ZC-KIT includes SCM-ZC-REMOTE along with SCM-MZ-LC. The SCM-MFD-LC-KIT includes the SCM-MFD-Bridge along with the SCM-MZ-LC. These devices will provide a full touch screen interface through your marine helm. There is also NMEA2000/J1939 compliant interface version available to integrate into existing networks.

**FEATURES**

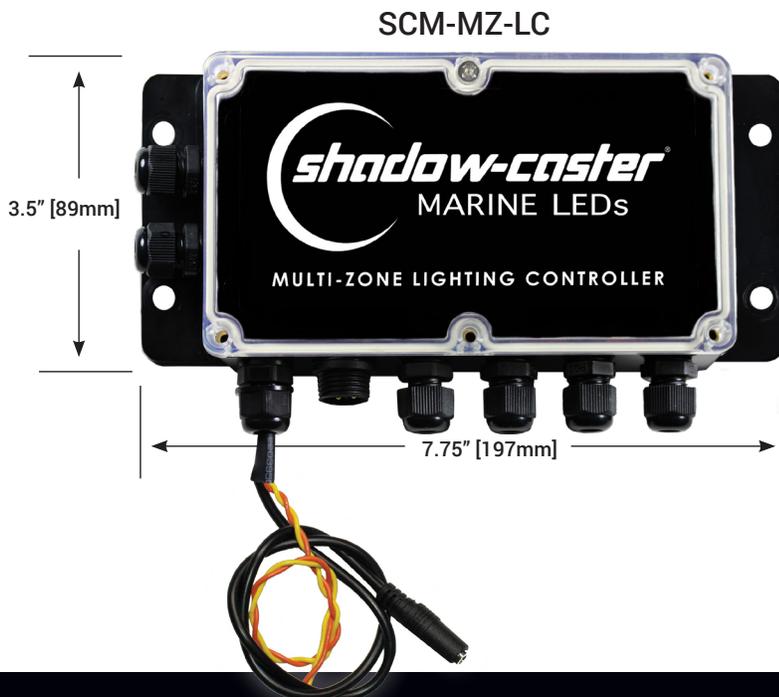
- 4 separate RGB or RGBW light outputs
- Control brightness and color on four independent channels
- Supports up to 6 independent zones of lighting commands through CAN based Shadow-NET® protocols
- Built in functions for fading, strobing and audio input for multiple modes of music sync
- Color coded connections for intuitive installation
- Exclusive power control technology to mitigate effects of electrical noise
- Direct switch inputs can be configured for enabling and control of lighting zones and can be custom configured for boat building customers

**INCLUDES**

- Lighting controller
- 1 meter Shadow-NET® communication cable  
PN: SCM-SCNET-01
- Mounting hardware
- Standard 2 year warranty

**SPECIFICATIONS**

- Enclosure: 6.3" (161mm ) X 3.5" (89mm) x 1.8" (46mm)
- IP66 rated enclosure
- Power: Supports over 600 watts of RGB lighting and virtually limitless Shadow-NET® connected modules.
- 15 amps per zone, 60 amps max
- 10 to 30V input range
- 3.5mm female audio input for music synchronization lighting modes via onboard DSP (Digital Signal Processing)
- 2 separate CAN (Control Area Network) buses, one dedicated to external interfaces and the second to control Shadow-Caster® connected lighting
- Each channel is individually fused with 5 amp ATC fuse (can go up to 15 amp)
- 6 discrete digital inputs for interfacing and controlling light functions directly with a switch
- Custom configurations available - see chart
- 24-bit color support and gamma correction for universal color support
- Shadow-NET® protocols are available upon request. Contact Shadow-Caster for more details



Designed & Manufactured in Clearwater, FL  
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INTERFACING TO THE MZ-LC SHADOW-CASTER'S MULTIZONE LIGHTING CONTROLLER

The SCM-MZ-LC is available separately or as part of a kit. (SCM-MFD-LC-KIT). It must be paired with a CAN based control to be utilized. This control can be with Shadow-Caster's ZC remote (SCM-ZC-KIT), or MFD Bridge (SCM-MFD-LC-KIT) available as part of a kit. There is an NMEA2000 compliant version with industry standard PGNs available. Customer specific applications can be developed with Shadow-Caster's own Shadow-NET® protocol.

SCM-ZC-REMOTE



Use Shadow-Caster's backlit Zone Controller keypad (SCM-ZC-REMOTE) to instantly control 4 zones of lighting

NMEA2000



NMEA2000/J1939 Our external interface is available to utilize industry standard NMEA2000 lighting control PGNs. PN: SCM-MZ-LC-N2K

SCREEN DISPLAY



Multi-Function Display Bridge (SCM-MFD-BRIDGE) provides an interface directly to most major MFD Bridge manufacturers including Garmin, Simrad, Lowrance, Raymarine and Furuno. Kit PN: SCM-MFD-LC-KIT

SHADOW-NET® ENABLED



Talk to a Shadow-Caster® representative about custom CAN based interfacing through Shadow-NET® protocol

MULTI ZONE LIGHTING CONTROLLER PART NUMBER OPTIONS

<b>SCM-MZ-LC</b>	Standard Multi-Zone Lighting Control works with Shadow-NET® protocols, MFD bridge and ZC remote.
<b>SCM-MZ-LC-N2K</b>	NMEA2000 connected lighting control. Fully NMEA2000 compliant to plug directly into any NMEA2000 network.
<b>SCM-MZ-LC-SCNET-SW2</b>	Same configuration as standard SCM-MZ-LC with addition of two external switch inputs. These inputs allow all zones of RGB lighting to turn on with one switch and an optional momentary push button control to change color and brightness.
<b>SCM-MZ-LC-SCNET-SW3</b>	Same configuration as standard SCM-MZ-LC with addition of switch input for on/off control all zones of RGB lights. One switch input for on/off control of all Shadow-NET® connected devices such as underwater lights, and one optional momentary push button control to change color and brightness of all lights
<b>SCM-MZ-LC-SCNET-SW6</b>	Same configuration as standard SCM-MZ-LC with an optional switch input for on/off control of each RGB zone, and an optional momentary push button control to change color and brightness and brightness of all lights



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