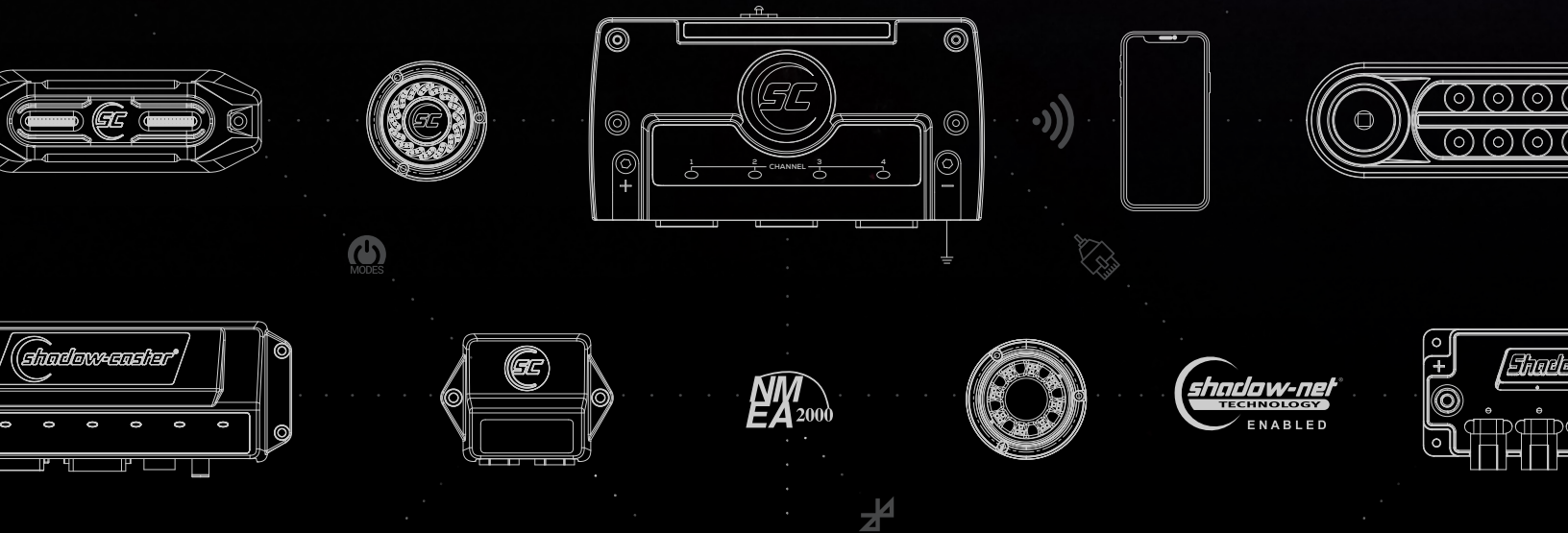




MARINE LIGHTING & CONTROLS

PRODUCT GUIDE



ABOUT SHADOW-CASTER



MISSION STATEMENT

Our mission is to be a global leader in the manufacture and supply of innovative, highly-engineered LED lighting and control products for the marine industry; enhancing the aesthetics, functionality, and safety of every boating experience.

We are committed to delivering this through excellence in design, customer service, integrity, and by empowering our employees through continuous improvement, teamwork, and a commitment to quality.

SHADOW-CASTER® LED LIGHTING

Shadow-Caster specializes in the design and manufacture of a complete range of innovative marine LED lighting products, controls and accessories. With a commitment to innovation and performance, Shadow-Caster has developed superior lighting solutions that are easier to install, reliable, and built to last. All products are manufactured at our facility in Clearwater, Florida USA.

We pride ourselves on our superior customer support, making us the clear choice for lighting products that are exceptionally bright, robust and efficient.

We have relationships with major marine electronic manufacturers, including Garmin, Raymarine, Furuno, Simrad, Lowrance, B&G, and Humminbird to offer integrated solutions to provide seamless and easy-to-use marine lighting control interfaces.

SHADOW-NET®



Shadow-NET is a multi-channel communications platform created by Shadow-Caster to allow low-cost, seamless integration and control of all your boat's lighting and real-time lighting control for multiple zones.

It utilizes CAN bus (Control Area Network) to communicate directly with a network of lighting devices and individually controls the color and intensity of each light through Shadow-Caster's available interfaces which include, NMEA 2000, MFD on-screen interfaces, and Wifi/Bluetooth connected applications.

Shadow-NET is a complete protocol of lighting control, and forms the basis of the NMEA 2000 lighting standard.

- Works as a network, allowing all lights to be connected together and dynamically controlled.
- Energy-efficient and scalable solution allows high levels of system configurability.
- Much more practical for implementation.

NMEA 2000

Shadow-Caster helped lead the development of the NMEA 2000 RGB lighting protocol.

- Developing CAN (Control Area Network) lighting products for over 15 years.
- Lighting control PGNs became official part of NMEA 2000 standard in September 2021.
- Working with Multi-Function Display (MFD) and digital switching manufacturers to standardize lighting control for the marine industry.
- Support provided for integration in marine lighting systems.

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SYMBOLGY

COMMUNICATIONS



NMEA
2000



Shadow-NET



Wi-Fi



Bluetooth



Ethernet



Power toggle
control



Modes
Push button
control



No. of RGB
channels



No. of RGBW
channels

LIGHT COLOURS



GW - GREAT WHITE



CW - COOL WHITE



WW - WARM WHITE



UB - ULTRA BLUE



AG - AQUA GREEN



BB - BIMINI BLUE



CR - COOL RED



BW - BLUE/WHITE



WBR - WHITE/BLUE/RED



CC - COLOR CHANGING



RGBW - TRUE WHITE CHANNEL



DIGITAL



1. CONTROLLERS

LIGHT COMMANDER

The expandable Light Commander multi-zone lighting controller supports up to 6 zones of lighting per module with native support for 4 zones of RGB or RGBW lights and unlimited Shadow-NET® devices. Programs include multiple color fade, music sync and color rotation.

LIGHT COMMANDER

LIGHT COMMANDER N2K

SCM-LC-N2K

NMEA 2000 multi-zone lighting controller.



4.57"
[116mm]



8.9" [226mm]

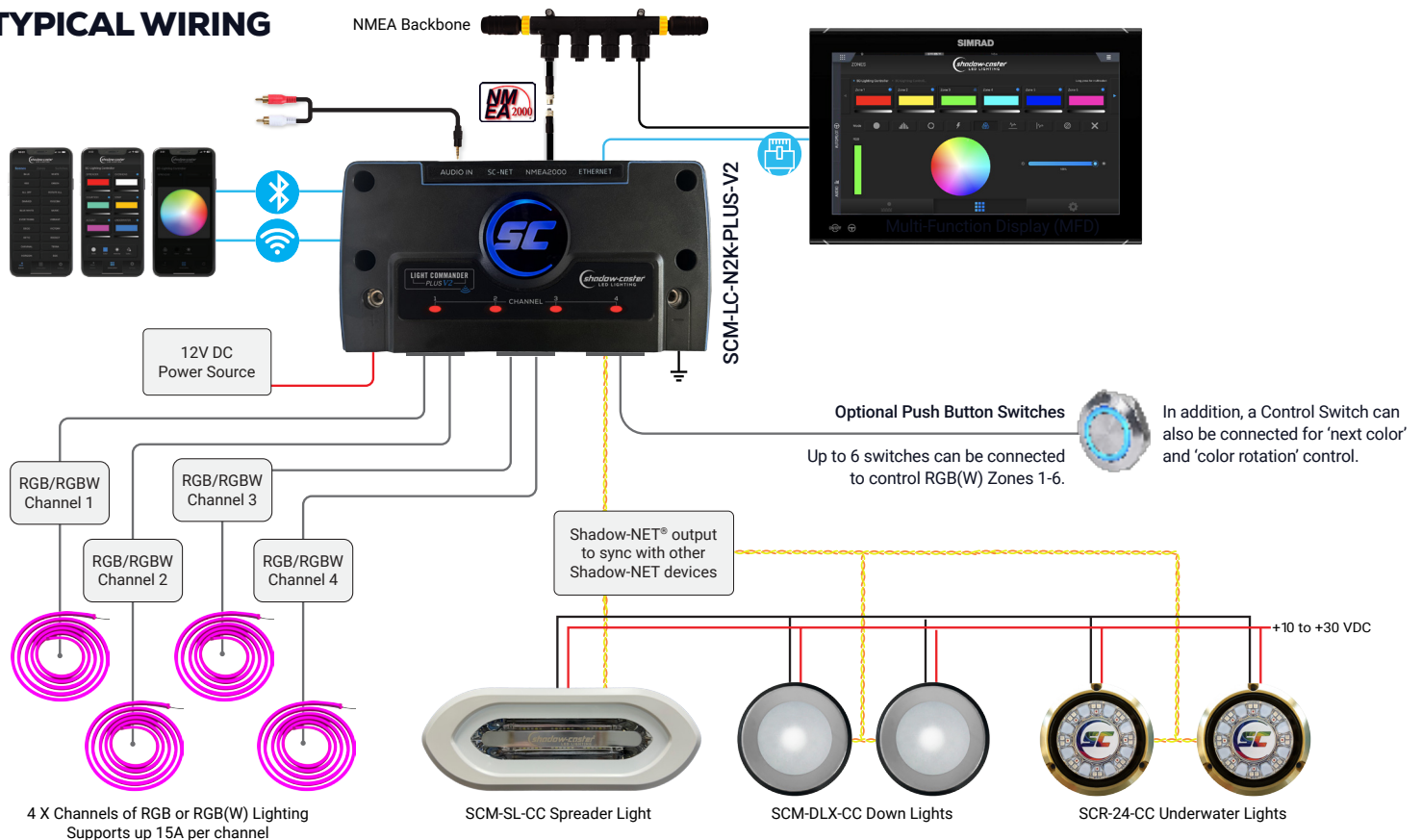
LIGHT COMMANDER N2K PLUS V2

SCM-LC-N2K-PLUS-V2

As Light Commander N2K +
Wi-Fi • Bluetooth • Ethernet



TYPICAL WIRING



SPECIFICATIONS [ALL MODELS]

- Deutsch style IP67-rated connections.
- 15 amps per RGB(W) channel.
- 24-bit color support and gamma correction for consistent color reproduction.
- Built-in 3.5mm female audio port and microphone for music sync input.
- Built-in 3.5mm female audio port for music sync input and onboard digital signal processing.
- Standard NMEA 2000 connectivity.
- Built-in switch inputs for instant automatic over-current protection.

LIGHT COMMANDER X COMPACT, PRODUCTION-FRIENDLY VERSION OF THE LIGHT COMMANDER

LIGHT COMMANDER X N2K

SCM-LCX-N2K

NMEA 2000 multi-zone lighting controller.

3.42"
[87mm]



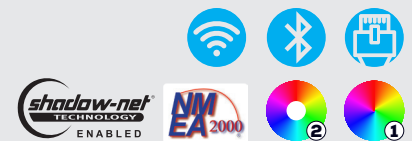
9.72" [247mm]



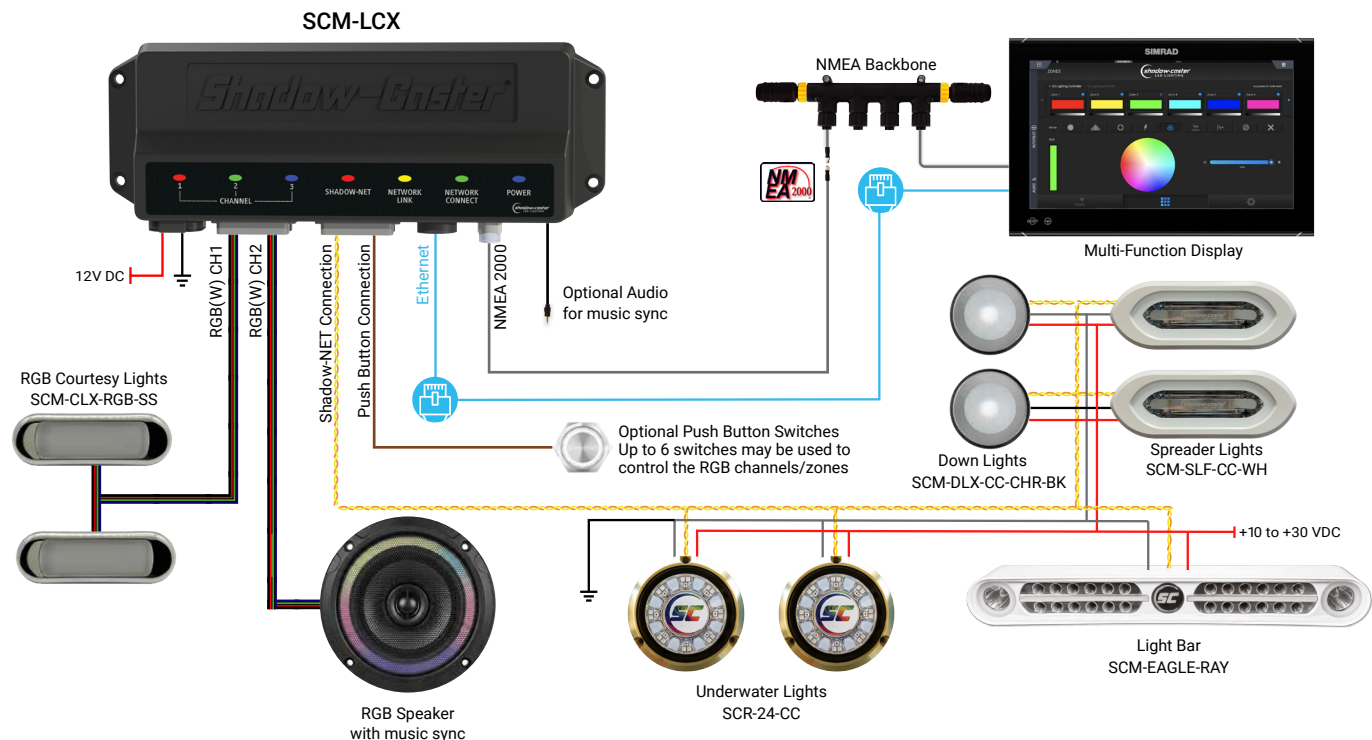
LIGHT COMMANDER X

SCM-LCX

As Light Commander X N2K +
Wi-Fi • Bluetooth • Ethernet



TYPICAL WIRING



Recommended for devices to be individually fused.

1. CONTROLLERS

SCM-NK2/SCM-SZ-RGB

Low-cost, marine-grade LED controllers that can be operated from a standard push button switch to set color and brightness.

A built-in Shadow-NET interface allows the controller to synchronize color and brightness control with other Shadow-NET devices, for example, to make Shadow-Caster underwater lights match the color of interior RGBW lighting.

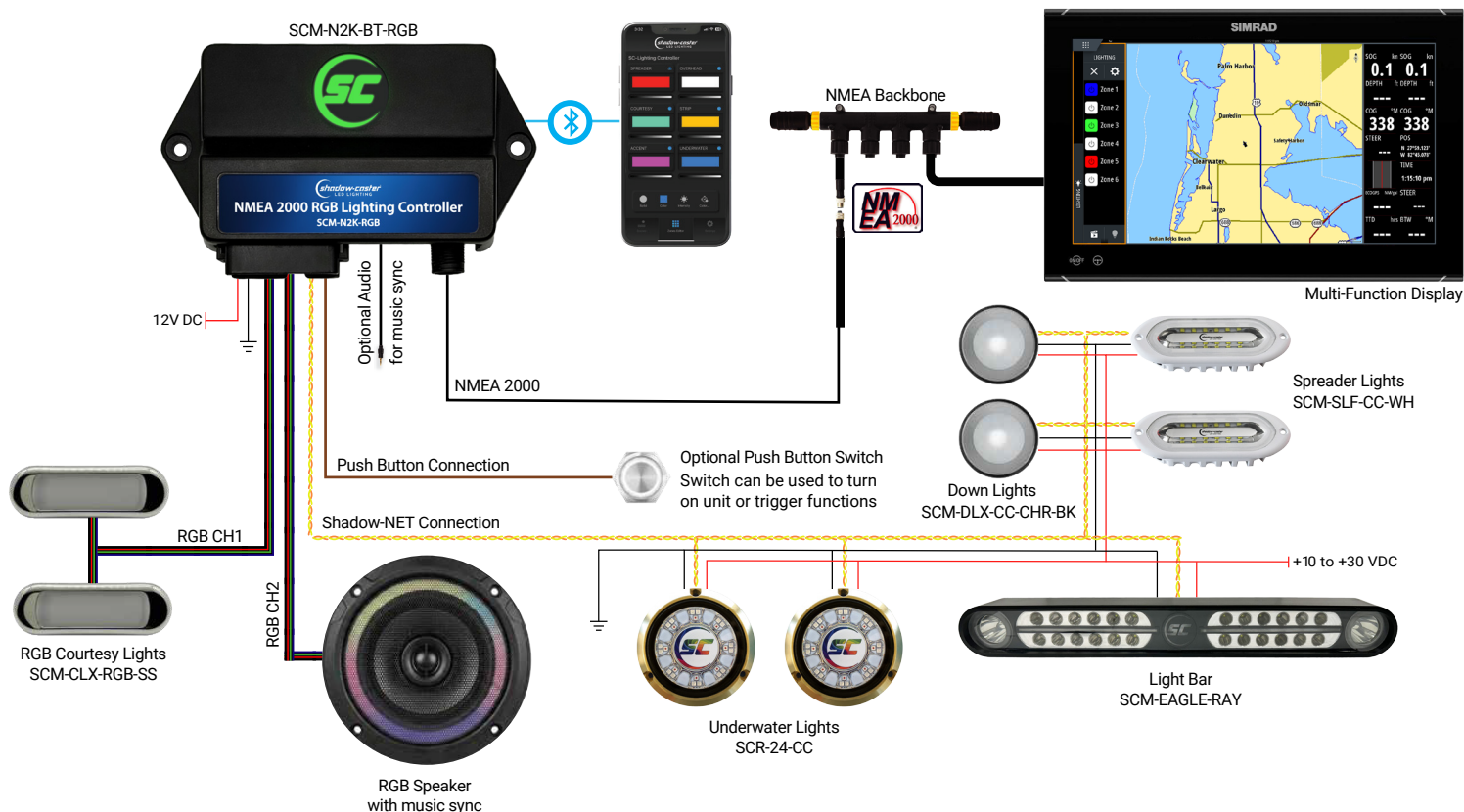


SCM-N2K

- Efficient way to control RGB lighting across an entire boat.
- Operate from an ON/OFF/momentary switch or single momentary push button.
- Integrated overcurrent protection.
- Auto-detect for white channel.
- 2 channels of RGB lighting control; 15 Amps total.
- SC logo indicates brightness and color or fault detection.
- Lighting modes include Color, Rotate, Fade and Music Sync.
- Compact and space-efficient design.
- Pre-requisite for use: MFD or control system that supports the NMEA 2000 standard.
- **SCM-N2K-BT-RGB** adds Bluetooth connectivity. 

Specifications otherwise identical to SCM-N2K-RGB.

TYPICAL WIRING

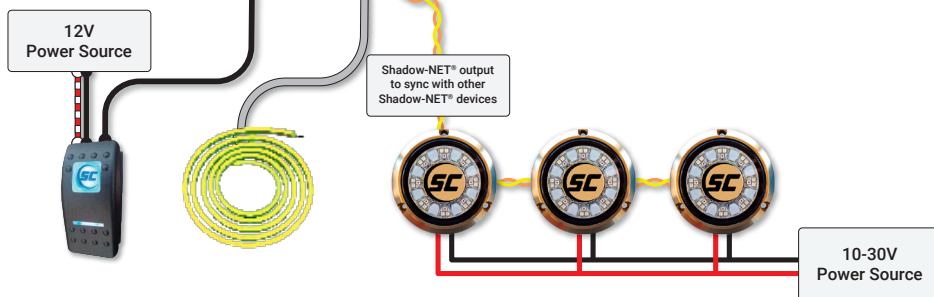


Recommended for devices to be individually fused.

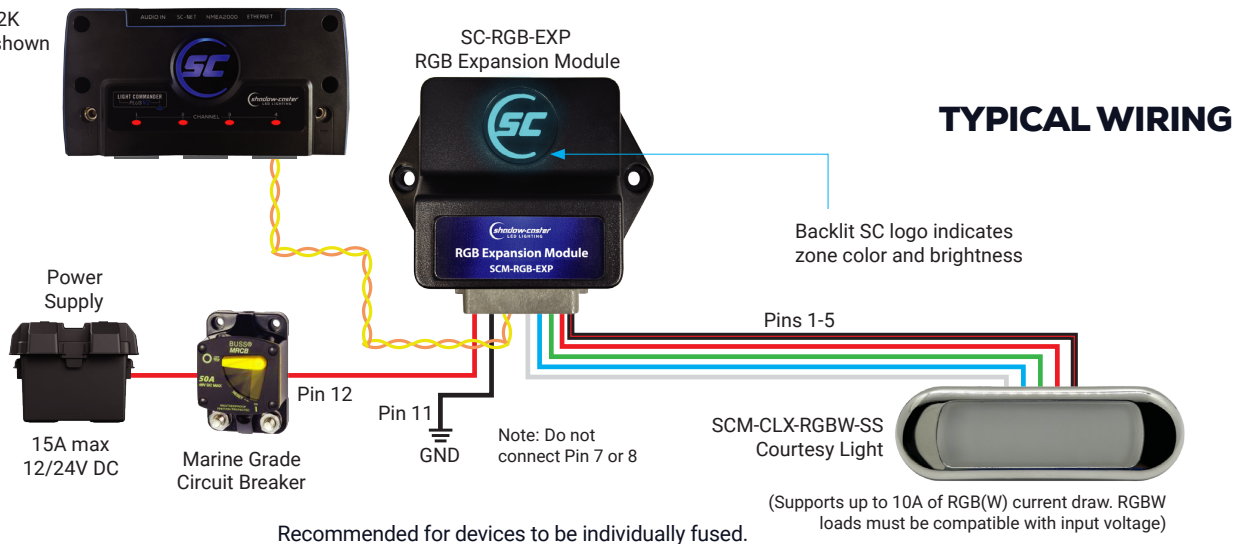


SCM-SZ-RGB

- 15 Amps of RGB(W) support.
- IP67 housing and connector.
- 12V/ 24V operation compatible.
- Backlit SC logo indicates color, brightness or fault.
- Auto-detect for white channel.
- Integrated overcurrent protection.
- Operate from an ON/OFF/momentary switch or a single momentary push button or Light Commander N2K series.
- Shadow-NET enabled.
- **SCM-SZ-RGB-EXP** adds RGBW capacity. Specifications otherwise identical to SCM-SZ-RGB.



LIGHT COMMANDER N2K
SCM-LC-N2K-PLUS-V2 shown

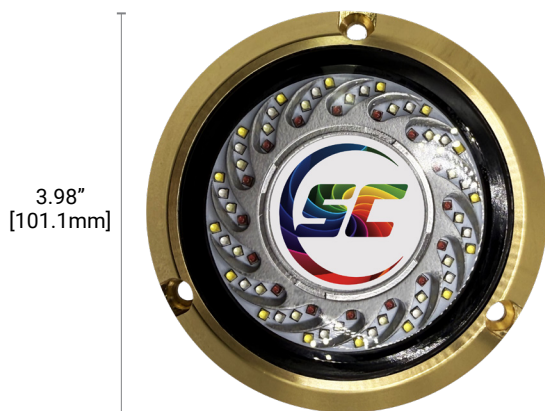


2. UNDERWATER LIGHTS



SCR/SC3+ SERIES

Compact underwater lights featuring bronze housing for under waterline surface mounting. Single-color, color-changing and RGBW versions available.



SCR-64

- 12,000 lumens.
- 120 degree beam angle.
- Power Draw: 94 Watts; 7.8A at 12V, 3.8A at 24V.
- Input Voltage: 10-30 Volts.
- True White Channel for extra brilliance.
- Color Changing RGBW.
- Power Toggle Control for standalone control from a switch.

LED color



CC



12,000
LUMENS



BRONZE



SCR-64-CC-BZ-10



SCR-24

- Up to 10,000 lumens
- 120° beam angle
- 90 watts power draw
- 12 built-in colors (CC model without external controller)
- Unlimited colors with Shadow-NET (RGB model)

XX LED colors



CC



BB



AG



GW



BW



10,000
LUMENS



BRONZE



MODES

SCR-24-XX-BZ-10

MADE IN THE USA WITH A SUPERIOR WARRANTY

Underwater Light Build Features (all products)

- Standard 3-year warranty.
- Borosilicate glass windows for clear output and abrasion resistance.
- Thermal throttle protection to ensure lights will never get too hot if operated out of the water.
- Proprietary gel-filled design to always maintain leak protection and IP69 requirements.
- Electrical surge and reverse polarity protection, to provide maximum reliability in today's complex and troublesome electrical environments.
- Next-generation electrical design provides maximum brightness and efficiency over a wide range of electrical input conditions.
- Bronze or Hard Anodized Aluminum housing options.



MATERIAL OPTIONS



BRONZE
Best all-round performance for a wide range of boats.



HARD ANODISED ALUMINIUM
Very robust product, perfect for freshwater and lift-kept boats.



THERMAL POLYMER
Great low-cost option for a range of boats of all sizes.



316 STAINLESS STEEL
High-end polished billet look; suited to high-end trailer and lift boats.



SCR-16

- Up to 7,000 lumens.
- 120° beam angle.
- 60 watts power draw.
- Built-in color control (BW model).
- Built-in dimming (single color models).

XX LED colors



7,000
LUMENS



SCR-16-XX-BZ-10



SC3+

- Up to 6,000 lumens.
- 120° beam angle.
- Power Draw: 48 Watts; 4A at 12V, 2A at 24V.
- Color-changing, multi-color and single color versions available.
- Shadow-NET enabled.
- Power Toggle Control for standalone control from a switch.

XX LED colors



6,000
LUMENS



SC3-PLUS-XX-BZSM



2. UNDERWATER LIGHTS

SC3 SERIES

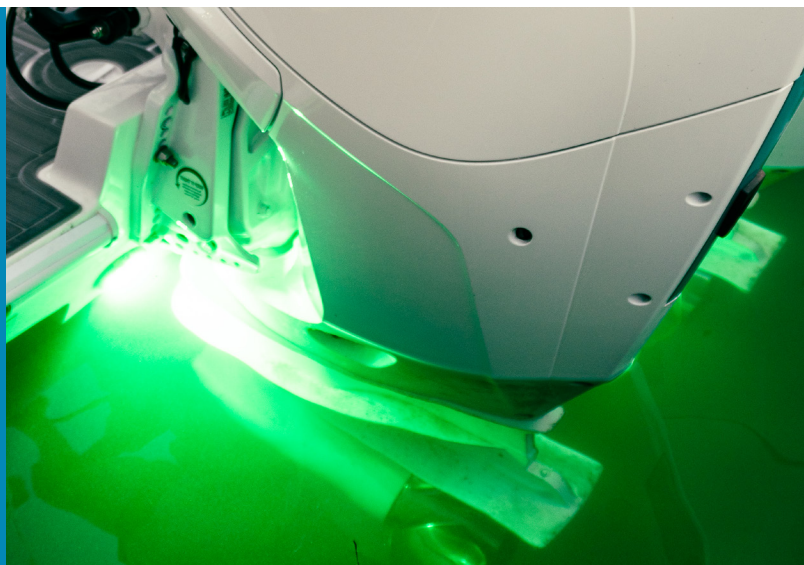
Our 3" underwater light series for mid-size boats and space constrained applications.

- Ideal for 'Live In The Water' boats
- Clear gel-filled design
- IP68 fully submersible waterproof design

SC3 PONTOON

Designed specifically for bracket mounting on pontoon boats.

- Rear bolt design provides a sleek mounting profile
- IP68 fully submersible waterproof design



SC3-BZSM

- Bronze housing with tempered glass.
- Up to 3,000 lumens.
- Surface-mount.
- 2A current draw at 12V.
- 10-30V input range.
- Built-in color control (RGB-CC model only).
- Unlimited colors with Shadow-NET (RGB-CC model only).

XX LED colors



3,000
LUMENS



SC3-XX-BZSM



SC3-ALTB PONTON

- RGB version requires controller.
- Hard anodized aluminum housing with glass window.
- Up to 3,000 lumens.
- Bracket-mount.
- Passive RGB design.
- 3A max current draw (RGB).
- 1.4A current draw (single color).
- 12V input only.
- Shadow-NET (RGB model only).

XX LED colors



3,000
LUMENS



HARD
ANODIZED ALU

SC3-XX-ALTB

SC2 SERIES

Underwater light series for smaller and more cost-sensitive application provide your vessel with 24 watts of intense LED lighting.

The SC2's are designed with a sub-compact 2.99" diameter composite or bronze housing for under the waterline surface mounting.



SC2-BZSM Bronze housing



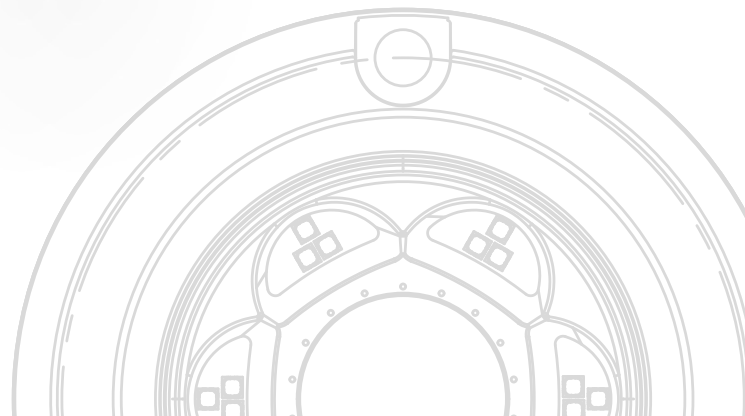
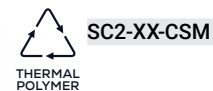
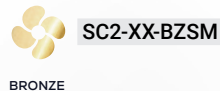
SC2-CSM Composite housing



SC2-BZSM/CSM

- Up to 3,000 lumens.
- 120 degree beam angle.
- Power Draw: 24 Watts; 2A at 12V, 1.1A at 24V.
- Input Voltage: 10-30 Volts.
- Waterproof Rating: IP68 fully submersible design.
- Bronze or specialized thermally-enhanced plastic housing options
- Tempered Borosilicate Glass windows.
- Color-changing, multi-color and single color versions available.
- Shadow-NET (CC model only) and RGB control versions.
- Power Toggle Control for standalone operation from a switch.
- Includes mounting hardware and 3ft submersible-grade cable.

XX LED colors

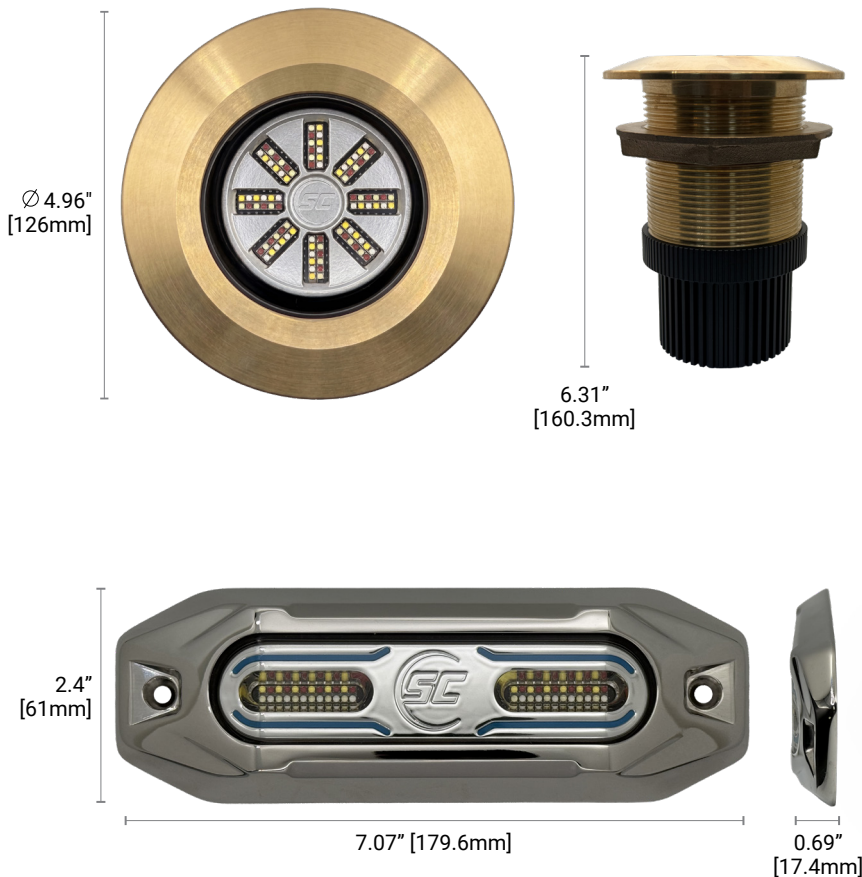


2. UNDERWATER LIGHTS

NEW MODELS

Introducing the brand-new Sabre and Thru-Hull Series underwater lights - featuring next-generation LEDs and power supply technology for superior performance.

- RGBW design (true Cool White channel for optimal brightness).
- IP68 fully submersible design.
- Tempered Borosilicate Glass windows.
- Advanced protection: integrated transient, surge current and reverse polarity protection dramatically prolongs unit life.



THRU-HULL SERIES

Designed for the demanding environment of larger live-in water vessels. Features an internal LED array and integrated driver, allowing for servicing from inside the hull without need to haul the boat.

- 20,000 lumens.
- 90° beam angle.
- Serviceable unit easily removes from housing.
- 144 Watts power draw; 12A at 12V, 6.2A at 24V.
- 10-42 input voltage.
- 3.5" (89mm) hull penetration.
- Shadow-NET-enabled.
- DTP Power and signal connection for convenient rigging.
- Aluminium bronze housing.

XX LED colors:



SCR-96-XX

SABRE SERIES

SABRE Series - the next generation of underwater illumination designed to replace the legacy SCM-10 and SCM-6 series.

- Up to 10,000 lumens.
- 120° beam angle horizontally; 80° vertical.
- Low-profile sleek design featuring polished stainless steel housing.
- Flexible mounting.
- Shadow-NET enabled.
- Power draw: 72 Watts; 6A at 12V, 3.1A at 24V.
- Input: 10-30 Volts.
- Power Toggle Control for standalone operation from a switch.

XX LED colors



SCM-SABRE-XX-SS

3. ABOVE WATER LIGHTS

EAGLE RAY LIGHT BAR

The Shadow-Caster® Eagle Ray allows you to light up the waterway and easily see other boaters and navigational markers at night.

With its sleek and adjustable design, you can control power and brightness from either a simple push button switch or Shadow-Caster Light Commander.

The Eagle Ray Light Bar has a combination of focused beams for long distance viewing and a 30° beam angle to efficiently light your way.



19.92" [505.9mm]



2.57"
[65.2mm]



20,000
LUMENS

EAGLE RAY

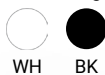
- High brightness, dimmable light bar.
- 20,000 lumens.
- 30° flood/3-50° adjustable beams.
- Combination low-angle beam and flood pattern.
- Can be controlled via push button switch.
- Backlit logo and illumination for modern look.
- Unique electrical design for remote power control allows for easy installation.
- 5000K color temperature.
- Includes adjustable pedestal mount, and optional end bracket mounting locations.
- Shadow-NET enabled.
- IP67 water resistant design.
- 10-30V input.
- 18A current draw at 12V DC.
- 2.6" H x 20" W x 5.5" D [65.3 x 506.5 x 136.9mm]
- R models mount upside down.

LED color



GW

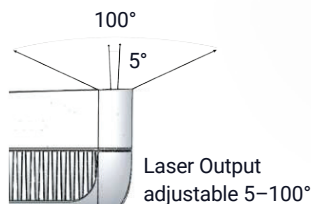
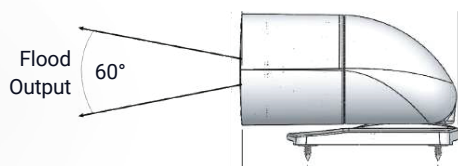
YY housing color



WH BK

SCM-EAGLERAY-YY

SCM-EAGLE-RAY-R-YY



EAGLE LED

Budget-friendly option. Offering the same specification as Eagle Ray Light Bar but with no beam angle adjustment.

LED color



GW

YY housing color

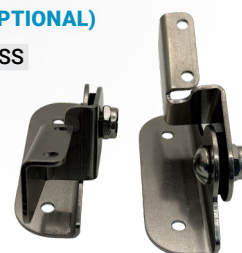


WH BK

SCM-EAGLE-RAY-LED-YY

STAINLESS STEEL END-MOUNT BRACKETS (OPTIONAL)

SCM-LB-EMB-SS

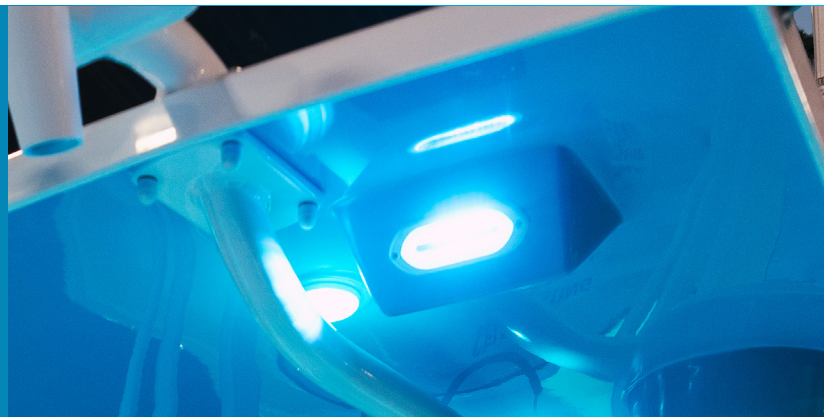


3. ABOVE WATER LIGHTS

SPREADER LIGHTS

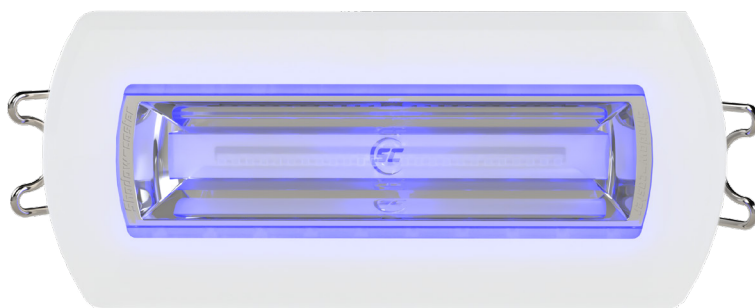
Ideal choice for lighting large deck areas of your vessel.

- Flush mount versions ideal for mounting in T-Tops.
- Bracket mount versions is ideal for retrofit in existing installations.
- White or black finishes available.
- Durable glass lens.
- IP67 water resistant design.



AURA SPREADER LIGHT

- Powder-coated aluminum housing
- Quick-mount, low-profile flush mount.
- 3,000 lumens; unique low-glare optical design.
- Digital accent channel controllable via Shadow-NET and power toggle.
- 90 degree x 120 degree output.
- 24 Watt power draw, 2.1 amps at 12 volts, 1.2 amp at 24 volts.
- Shadow-NET enabled.
- 6200 Kelvin cool white color temperature.
- 1.6" (41mm) mounting depth.



SCM-SLF-AURA-XX-YY



3,000
LUMENS



SCM-4X SERIES

- Low-profile powder coated aluminum housing.
- 4 high-output LEDs.
- 3,000 lumens.
- 60° beam angle.
- IP67 waterproof design.
- Shadow-NET enabled.
- Color temperature: Cool White 6200 K; Warm White 3000 K.
- 20 Watt power draw, 1.5 amps at 12 volts, .8 amp at 24 volts.
- 2.8" mounting depth (bracket mount).
- 1.6" mounting depth (flush mount).
- Stainless steel mounting hardware.

XX LED colors



3,000
LUMENS

BRACKET SCM-SLB4X-XX-YY

FLUSH SCM-SLF4X-XX-YY



SCM-SLF SERIES

- Low-profile powder coated aluminum housing.
- 2,200 lumens.
- 60° x 120° beam angle.
- 24 watt power draw; 2 amps at 12 volts; 1 amp at 24 volts.
- Shadow-NET enabled (CC models).
- 6200 Kelvin cool white color temperature.
- 5" (127mm) overall length X 1.7" (43mm) height X 1.6" (41mm) mounting depth.
- Unique low-glare optical design.
- Stainless steel mounting bracket provides extended adjustability.



XX LED colors



SCM-SLF-XX-YY



SCM-SLB SERIES

- Low-profile aluminum housing.
- 2,200 lumens.
- 60° beam angle.
- 2,200 lumens
- 24W power draw.
- 1.6" mounting depth (flush mount)
- 2.8" mounting depth (bracket mount).
- Shadow-NET enabled (RGBW-CC models).



XX LED colors



SCM-SLB-XX-YY



3. ABOVE WATER LIGHTS

DOWN LIGHTS: PRO SERIES

The Shadow-Caster Pro-Series Down Lights represent the next evolution in marine overhead lighting, combining industry-leading performance, installation efficiency, and design flexibility in a compact, premium package. Engineered specifically for OEM boat builders, the Pro-Series is ideally suited for T-top, hardtop, cockpit, cabin, and exterior lighting applications where aesthetics, reliability, and ease of integration are critical.



SPECIFICATIONS

- 450 lumens.
- Innovative secondary soft accent light output to create courtesy light and halo output.
- Control brightness with a switch or through Shadow-NET interface.
- Supports dimming.
- Spring mounting clip for quick-connect.
- Customizable window options for OEM production.
- 120° diffused output lighting.
- 4 Watt light output options.
- 10-30V input.
- Current draw: 350mA at 12V, 200mA at 24Volts.
- IP67 waterproof design.
- Shadow-NET enabled (RGBW-CC model).
- 0.1" (2.5mm) mounting height.
- Concealed hardware clip for low profile mounting.
- 1.65" (41.9mm) mounting hole.
- 2" (50.8mm) outside diameter.



PRO-SERIES

Premium Architectural Appearance. The Pro-Series features an innovative glass-only reveal with a precision-machined beveled edge that creates a seamless, low-profile appearance to complement the look of premium vessels.

Ultra-Fast Installation. Designed to reduce production time and labor costs, the Pro-Series utilizes an ultra-low mounting profile and spring-loaded retention system that significantly simplifies installation.

XX LED colors



YY housing colors



SCM-DLPRO-XX-YY

PRO-SERIES AURA™

For builders seeking to create a truly distinctive onboard lighting experience, the Pro-Series Aura™ expands upon the standard Pro-Series by incorporating a unique perimeter illumination that produces a soft ambient glow surrounding the primary downlight output.

This secondary lighting effect adds depth, sophistication, and visual interest to both interior and exterior spaces, creating a premium architectural appearance that elevates the overall vessel design.

XX LED colors



YY housing colors



SCM-DL-AURA-XX-YY

DOWN LIGHTS

Overhead lighting for your vessel. Ideal for T-tops and interior areas.

- White, black or chrome finish to match your boat aesthetics.
- DLX version is 3" outside diameter with all glass reveal.
- DL version is 2" outside diameter.
- 10-30V input range.



SCM-DLX

- Supports dimming.
- 300 lumens.
- 120° beam angle.
- 3W power draw.
- Shadow-NET® enabled (RGBW-CC model)
- 6 Watt version available.
- IP67 water resistant design.
- 3" [76.2mm] outside diameter.
- 0.175" [4.5mm] mounting height.
- 2" [50.8mm] mounting hole.

SCM-DLX-XX-YY SCM-DLX6W-CC-YY [6 WATTS]



SCM-DLXS

- A simple lower cost Down Light option.
- 300 lumens.
- 120° beam angle.
- 3W power draw.
- IP67 water resistant design.
- 3" [76.2mm] outside diameter.
- 0.175" [4.5mm] mounting height.
- 2" [50.8mm] mounting hole.

XX LED colors



SCM-DLXS-XX-WH



SCM-DL

- Supports dimming.
- 300 lumens.
- 120° beam angle.
- 3W power draw.
- Shadow-NET® enabled (RGBW-CC model).
- 6 Watt version available.
- IP67 water resistant design.
- 2" [50.8mm] outside diameter.
- 0.175" [4.5mm] mounting height.
- 2" [50.8mm] mounting hole.

XX LED colors



SCM-DL-XX-YY

3. ABOVE WATER LIGHTS

COURTESY LIGHTS

Low profile design great for lighting accent areas, hatches, steps and baitwells.

- Unique design for even, wide-angle illumination and low glare.
- IP67 waterproof design.



SCM-CL10

- Large front-facing LED.
- 160° viewing angle.
- True white channel for functional use.
- Up to 250 lumens of white light output.
- 40,000 hour LED lifetime.
- 12V compatible.
- 1A max (RGBW).
- Stainless steel 316 polished end covers.
- IP67 water resistant design.
- 10" x 1" x 0.6" [257.2 x 25.6mm x 16mm].



XX LED colors
CC GW
250
LUMENS

SCM-CL10-XX-SS



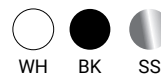
SCM-CL SERIES

- Edge emitting LED lights.
- Available in polished stainless steel, white or black ABS covers.
- 110° viewing angle for single lights and 130° for color changing lights
- Up to 70 lumens light output
- 40,000 hour LED lifetime
- 12/24V compatible
- 60mA (single color)
- 120mA max (RGB)
- 3" x 0.8 x 0.2" [76.2 x 19.8 x 5.1mm]

XX LED colors



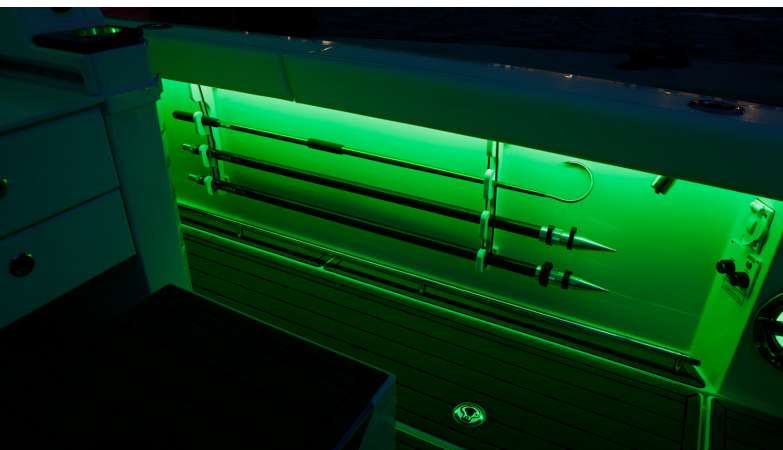
Cover colors



70
LUMENS

BLACK/WHITE COVER SCM-CL-XX

STAINLESS STEEL COVER SCM-CL-XX-SS



XX LED colors



CC GW

80
LUMENS

SCM-CLX

- Front facing LED illumination.
- 160° viewing angle.
- True white channel for functional use.
- Up to 80 lumens of white light output.
- 40,000 hour LED lifetime.
- 12V compatible.
- 300mA max (RGBW).
- Stainless steel 316 polished cover.
- 3" x 1" x 0.32" [76.2 x 25.4 x 8.13mm].

SCM-CLX-XX-SS



XX LED colors



DIGITAL CC

220
LUMENS

DIAMOND

- RGB or Digital versions available.
- Panel mount design.
- UV stabilized polycarbonate housing.
- 12 VDC, 140mA Max current.
- RGBW offering true white channel.
- Up to 220 lumens of white light.
- 5 conductor RGBW wire or digital 2-wire interface.
- 3" x 1" x 0.32" [76.2 x 25.4 x 8.13mm].
- 12V DC, 300mA max current.

SCM-DMND-RGB SCM-DMND-12VD [DIGITAL]



XX LED colors



CC GW

400
LUMENS

SCM-CLS

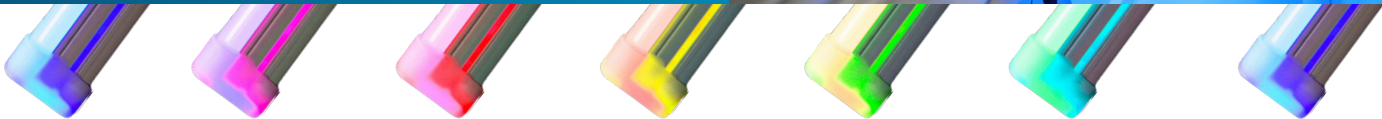
- Stainless steel covers conceal mounting hardware.
- On/off/dimming touch control.
- Unique design for even illumination and low glare.
- Shadow-NET enabled.
- RGBW or White only outputs.
- Soft start feature (2 second ramp up).
- Up to 400 lumens of white light.
- 12V DC, 300mA max current.
- IP67 fully submersible waterproof design.
- 4.25" x 2" x 0.3" [107.8 x 50.7 x 7.6mm].

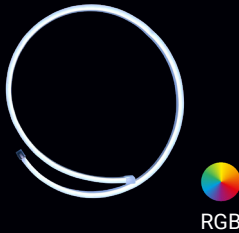
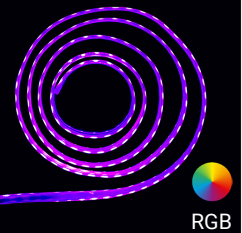
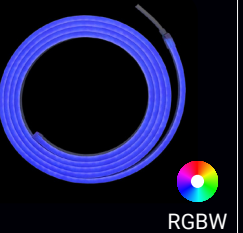
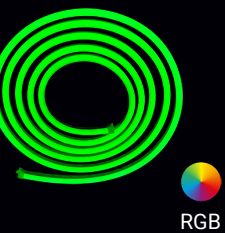
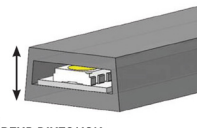
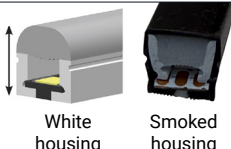
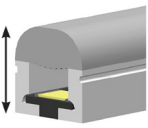
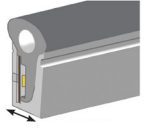
SCM-CLS-XX-SS

3. ABOVE WATER LIGHTS

LED LIGHT STRIPS

Color-changing RGB lighting for accent areas, hatches, steps, coves, shelves and compartments.

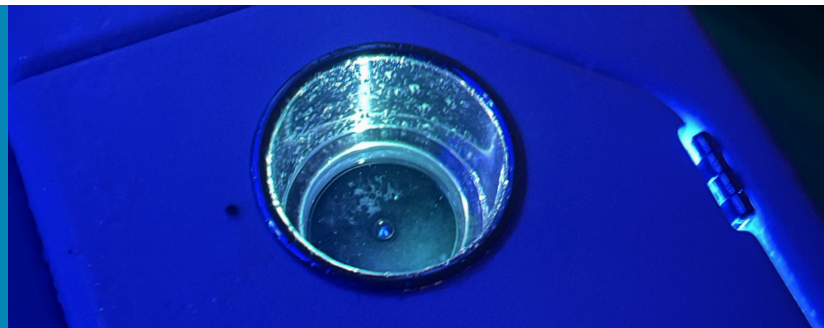


	SCM-AL-LED	SCM-AL-MINI-NEON	SCM-AL-SV-MINI-NEON	SCM-AL-MINI-NEON-RGBW	SCM-AL-NEON
					
TYPE	LED RGB	Neon RGB (smaller bend radius than SCM-AL-NEON)	Side-illuminated Neon RGB (smaller bend radius than SCM-AL-NEON)	Neon RGBW (smaller bend radius than SCM-AL-NEON)	Neon RGB
INSTALLATION	Install out of 'line-of-sight'	Install where strip will be visible			
ILLUMINATION	RGB Color	Diffuse RGB color		Diffuse RGBW color	Diffuse RGB color
VOLTAGE, LENGTHS & MODEL NUMBERS	12V 8/16/20/24 ft. RGB SCM-AL-LED-08/16/20/24 24V 16ft RGB SCM-AL-24VLED-16	12V 2/4/8/16 ft. RGB SCM-AL-MINI-NEON-2/4/08/16 24V 16 ft RGB SCM-AL-MINI-NEON-24V-16 12V 16 ft. WW/CW SCM-AL-MINI-NEON-WW 5M SCM-AL-MINI-NEON-CW-5M 'SMOKED' HOUSING COLOR 12V 16 ft. RGB/WW/CW SCM-AL-MINI-NEON-16-SMKD	12V 8/16/30 ft. RGB SCM-AL-SVMINI-NEON-08/16/30	12V 16 ft. RGBW SCM-AL-MINI-NEON-RGBW-16	12V 8/16 ft. RGB SCM-AL-NEON-08 SCM-AL-NEON-16 24V 16 ft. RGB SCM-AL-NEON-24V-16
CUT LENGTHS	2" (50mm) increments	Cut to length in 1" (25mm) increments			¼" (31.25mm) increments
WATERPROOF	IP67 waterproof design				
CROSS SECTION	0.2" x 0.5" [5.1mm x 12.7mm]	0.4" x 0.4" [10.2 x 10.2mm]	0.2" x 0.5" [5.1mm x 12.7mm]	0.47" x 0.47" [12mm x 12mm]	0.5" x 0.8" [12.7 x 20.3mm]
BEND DIRECTION					
MOUNTING	See Accessories on page 26 for mounting track options				

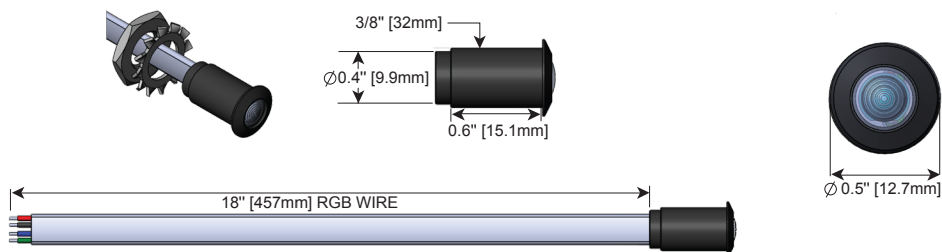
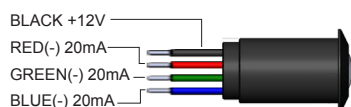
ROUND ACCENT LIGHTS

The SCM-RAL series offer bright accent lighting in a compact and low power draw design.

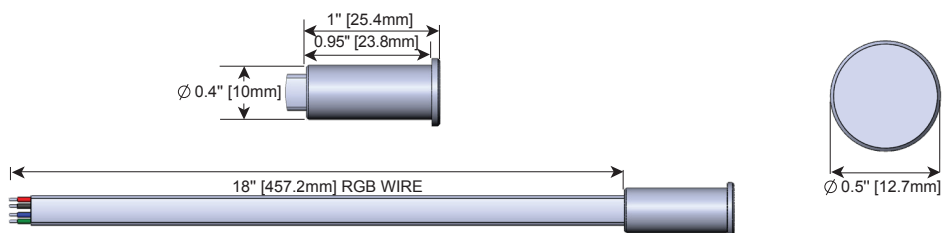
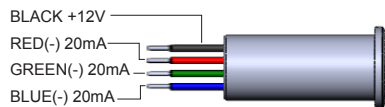
The RAL series are IP68 rated making them great for illuminating baitwells, hatches, cupholders, toe kicks and highlighting smaller areas of your vessel.



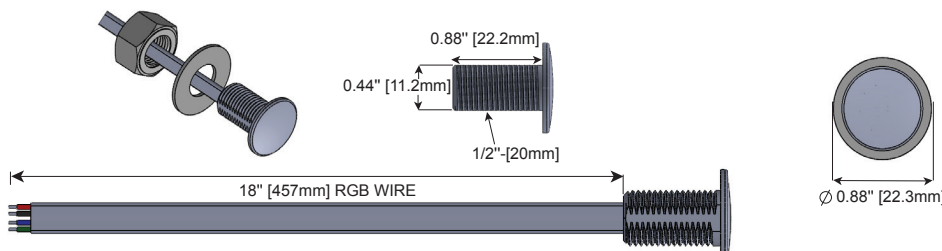
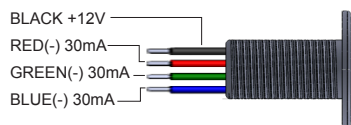
SCM-RAL-RGB/GW-0.4-AB



SCM-RAL-RGB/GW-0.4-PW



SCM-RAL-RGB/GW-0.5



	SCM-RAL-RGB-0.5 SCM-RAL-GW-0.5	SCM-RAL-RGB-0.4-PW SCM-RAL-GW-0.4-PW	SCM-RAL-RGB-0.4-AB SCM-RAL-GW-0.4-AB	SCM-RAL-RGB-0.5-24V SCM-RAL-GW-0.5-24V
DESCRIPTION	Clear plastic bright light	Diffused plastic low profile	Black aluminum with clear lens	Clear plastic bright light
RECOMMENDED USE	Baitwells, hatches and courtesy lighting	Hatches, map lighting and small spaces	Cup holders and panel mount instrument lighting	Baitwells, hatches and courtesy lighting
IP RATING	IP68	IP67	IP65	IP68
VOLTAGE/CURRENT	12V/30mA	12V/20mA	12V/20mA	RGB: 24V/30mA/channel GW: 24V/80mA/channel
OPENING	1/2" [12.7mm]	3/8" [9.5mm]	3/8" [9.5mm]	1/2" [12.7mm]
LED COLORS	RGB GW	RGB GW	RGB GW	RGB GW

DIGITAL ACCENT LIGHT STRIPS

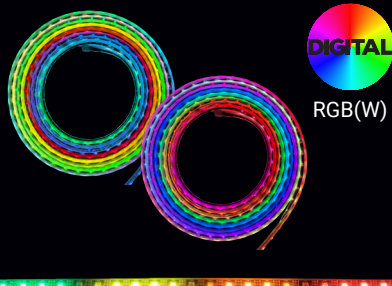
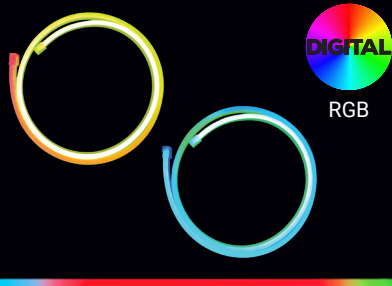
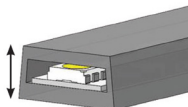
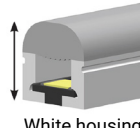
SCM-DAL

Add another dimension to your lighting project with Shadow-Caster Digital Accent Light Strips. Our Digital Accent Light LED strips allow each LED to provide a different color and brightness, enabling colors to scroll, to simulate motion effects, and other fun patterns.

Available in a diffuse neon and traditional accent LED models.

Couple the strips with the Digital LED Controller (SCM-DLC), when used with our Light Commander series controllers.



	SCM-DAL-LED	SCM-DAL-MINI-NEON	SCM-DAL-SV-MINI-NEON
			
TYPE	DIGITAL LED		
INSTALLATION	Ideal for installing out of 'line-of-sight'	Ideal for installing where strip will be visible	
ILLUMINATION	RGB color	Diffuse RGB color	
VOLTAGE, LENGTHS & MODEL NUMBERS	Legacy (3-wire) 16/20 ft. RGB SCM-DAL-LED-16/20 Digital (4-wire) 16/20 ft. RGB SCM-DAL-4XD-16/20 Digital (4-wire) 16 ft. RGBW SCM-DAL-4XD-RGBW-MINI-NEON-16	Legacy (3-wire) 16 ft. RGB SCM-DAL-MINI-NEON-16 Digital (4-wire) 16 ft. RGB SCM-DAL-4XD-MINI-NEON-16 'SMOKED' HOUSING 16 ft. RGB SCM-DAL-MINI-NEON-16-SMKD	Legacy (3-wire) 16ft. RGB SCM-DAL-SVMINI-NEON-16 Digital (4-wire) 16 ft. RGB SCM-DAL-4XD-SVMINI-NEON-16
POWER/DRAW	Power: 19W/M / Current draw: 1.6Amp/M		
CUT LENGTHS	0.75" (19mm) increments	1" (25mm) increments	
WATERPROOF	IP67 waterproof design		
CROSS SECTION	0.2" x 0.5" [5.1mm x 12.7mm]	0.4" x 0.4" [10.2 x 10.2mm]	0.2" x 0.8" [5.1mm x 20mm]
BEND DIRECTION		 White housing  Smoked housing	
MOUNTING	See Accessories on page 26 for mounting track options		

DIGITAL LIGHTING CONTROLLERS

SCM-DLC/DLC-3CH

SCM-DLC Digital Light Controllers are engineered to integrate seamlessly between Shadow-Caster lighting controls and digital LED light strips.

Craft intricate, distinctive lighting patterns, dynamic effects, and captivating sequences that will not just illuminate but animate your vessel.

- Backlit SC logo indicates color, brightness or fault.
- Up to 15A of digital lighting control.
- Deutsch IP67 rated connections and IP67 sealed housing.
- Field programmable and compatible with/ use standalone or with Shadow-NET.
- Digital overcurrent protection.



SCM-DLC

- Supports WS and SPI standards.
- SCM-DLC-12V/SCM-DLC-5V for 5V outputs.
- 3.465" x 2.852" x 1.205" [88 x 72.4 x 30.6mm].

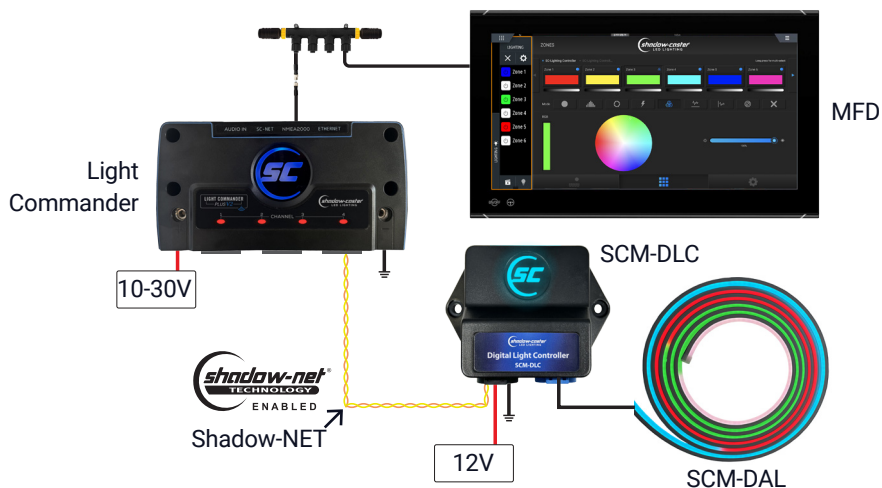
SCM-DLC-4XD

- 2-wire output version.

SCM-DLC-3CH

- Direct control over three separate channels of digital lighting.
- 2-wire output for each channel requires transceiver or SCM-DAL-4XD series digital strips.
- Available in 12V version.
- Supports WS standards.
- 3.5" x 2.9" x 1.2" [88 x 72.4 x 30.6mm].

SCM-DLC TYPICAL WIRING



Recommended for devices to be individually fused.

4. POWER DISTRIBUTION

MARINE LED LIGHTING POWER DISTRIBUTION

Shadow-Caster offers a line of marine LED lighting Power Distribution products.

Our Power Distribution boxes provide a convenient way to connect and individually fuse multiple Shadow-Caster underwater LED lights.



SCM-PD4CH

4-position power distribution module that provides a convenient way to connect and power up to four Shadow-Caster underwater lights.

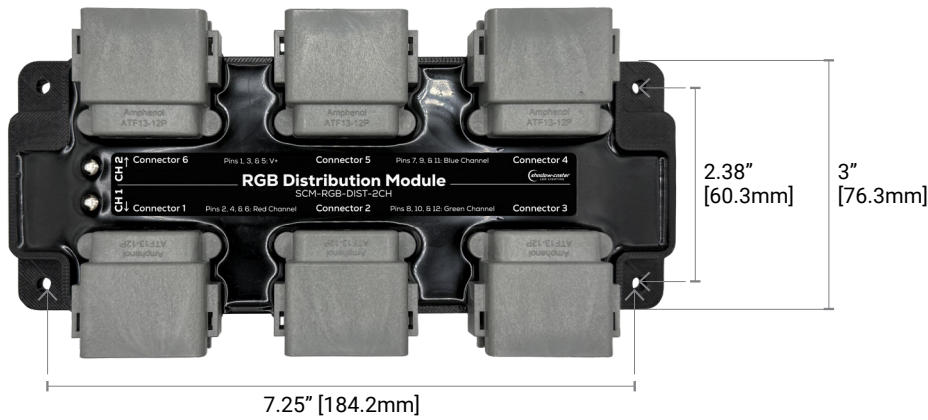
- Green/red LED indicates the status of each output channel.
- Individual digital overcurrent protection for each channel.
- Recommended when installing two or more underwater lights.
- Use with a helm mounted switch or with no switch when using compatible Shadow-Caster controller.
- Blue back light Shadow-Caster logo panel indicates power state.
- IP67 Deutsch connections.



SCM-PWR6

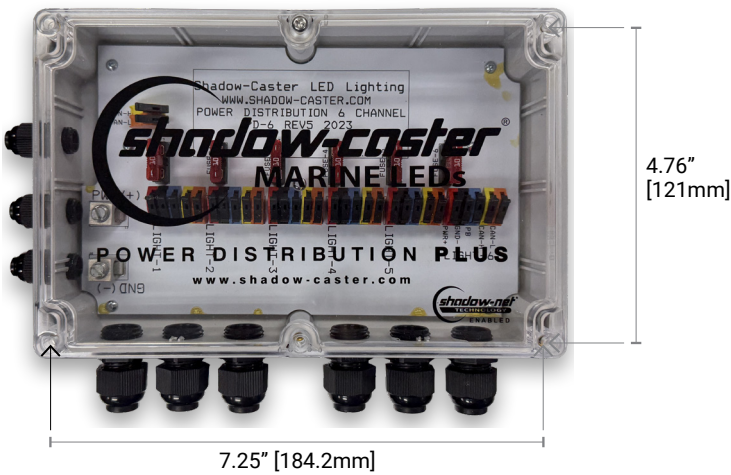
Designed to allow control of simple ON/OFF and other 3rd party lights as part of a "Lighting Scene" through the Shadow-Caster interface.

- 6 independent digital switches.
- Control 3rd party lighting.
- Digital over current protection.
- Manual switch override.
- Full integration with Shadow-NET interface.
- Blue back light Shadow-Caster logo panel indicates power state.



SCM-RGB-DIST-2CH

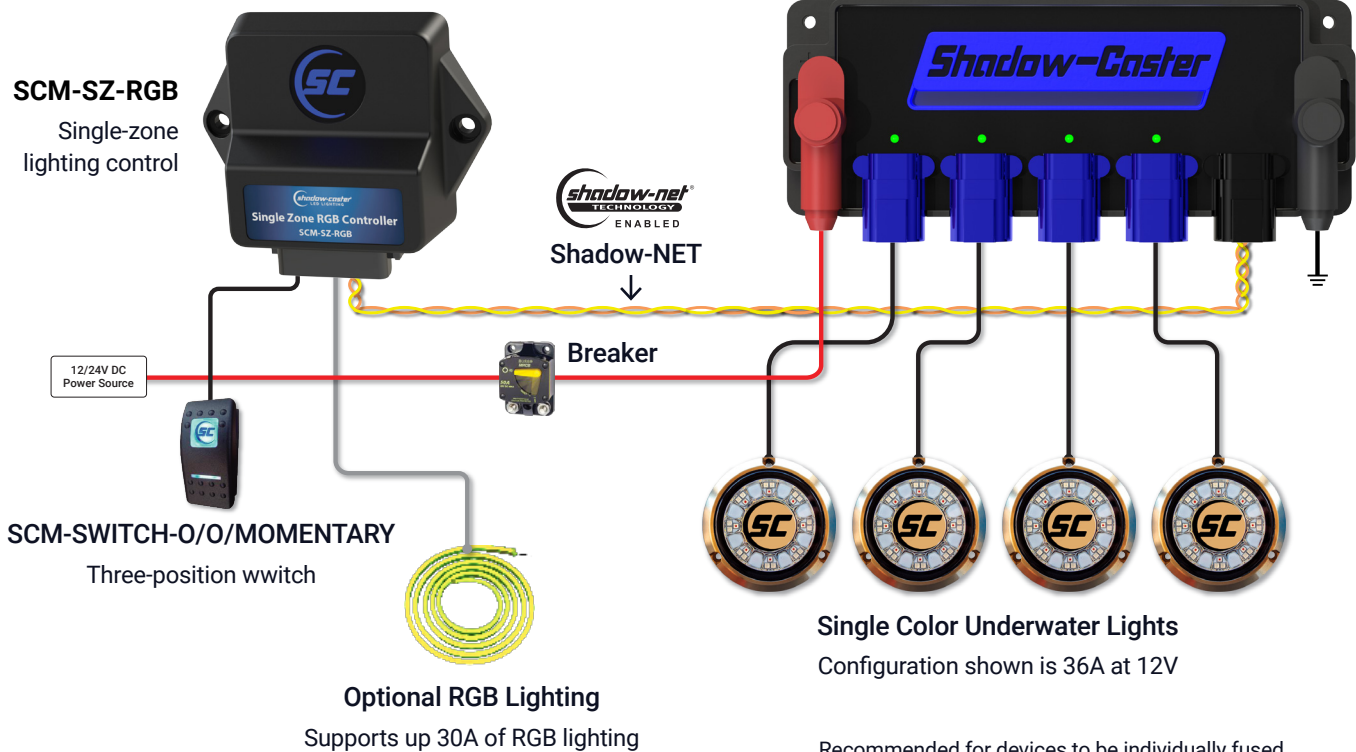
- RGB 2-channel distribution convenience tool for connecting multiple RGB devices.
- IP67 connections for 2 separate RGB channels.
- 9 separate connections for each channel.
- Indicator LEDs to indicate status of channel output.
- Fully Potted connection and 3 separate
- Compatible with 12 V or 24 V configurations.
- Includes mounting hardware.



SCM-PD

- Convenience accessory for connecting multiple Shadow-NET devices together.
- 6 separate ATC fused connections for 4-wire Shadow-NET devices.
- Cable glands for sealed connections
- Quick-connect color-coded connectors.
- IP66 enclosure
- Mounting hardware included.

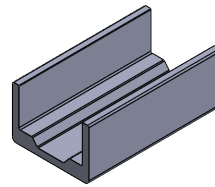
SCM-PD4CH TYPICAL WIRING



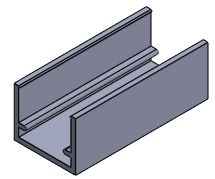
ACCESSORIES

ACCENT LIGHTING MOUNTING TRACK

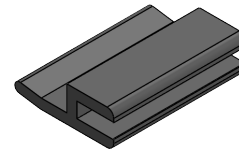
DESCRIPTION	MODEL NO.
AL LED track, clear polycarbonate, 1 meter	SCM-AL-TRACK-1M
HDPE mounting channel track for AL-LED strips, 1 meter	SCM-AL-LED-TRACK-HDPE-1M
Mini-Neon track, aluminum, 1 meter	SCM-AL-MINI-TRACK-1M
Mini Neon, white HDPE mounting track, 1 meter	SCM-AL-MINI-TRACK-HDPE-1M
Mini Neon, black HDPE mounting track, 1 meter	SCM-AL-MINI-NEON-TRACK-BLK-HDPE-1M
SV (Side View) Mini-Neon Track, 1 meter	SCM-AL-SVMINI-NEON-TRACK-1M
LED strip mounting track for SV Mini Neon, white HDPE, 1 meter	SCM-AL-SVMINI-NEON-TRACK-HDPE-1M



SCM-AL-TRACK-1M



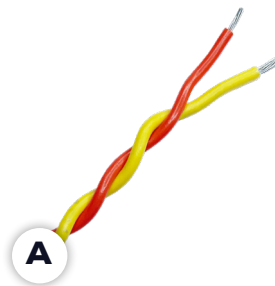
SCM-AL-MINI-TRACK-1M



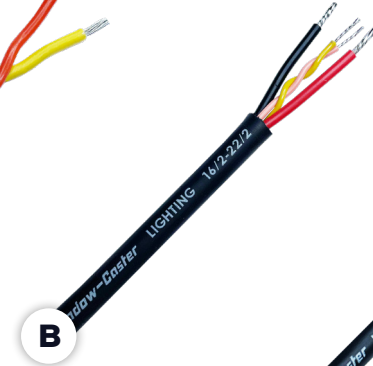
SCM-AL-SVMINI-NEON-TRACK-1M

WIRES

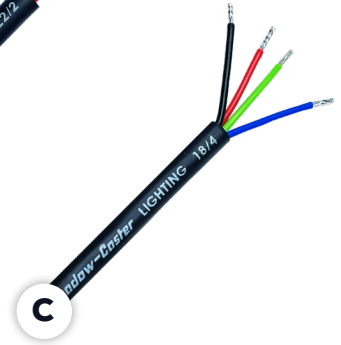
DESCRIPTION	LENGTH	MODEL NO.
A. Orange and yellow wire 20awg twisted pair	50ft/15m	SCM-SCNET-OYTP20G-50
	100ft/30.5m	SCM-SCNET-OYTP20G-100
B. 4 conductor wire with black outer jacket 16awg red and black 20awg orange and yellow	50ft/15m	SCM-SCNET-RBOY-50
	100ft/30.5m	SCM-SCNET-RBOY-100
	50ft/15m	SCM-SCNET-RGB18G-50
C. 4 conductor wire with black outer jacket 18awg red, green, blue, black	100ft/30.5m	SCM-SCNET-RGB18G-100
	250ft/76.2m	SCM-SCNET-RGB18G-250



A



B



C

CABLES

DESCRIPTION	MODEL NO.
Garmin IP67 ethernet cable	SCM-MFD-CABLE-GARMIN
Simrad, Lowrance, B&G IP67 ethernet cable for mating to Navico cable, part number: 000-0127-56	SCM-MFD-CABLE-NAVICO
IP67 ethernet cable	SCM-MFD-CABLE-STANDARD
D Style pre-wired connectors (for SCM-LC-N2K or PLUS)	SCM-LC-HARNESS-KIT
Shadow-NET cable (1m, 2m, 4m, 5m)	SCM-SCNET-01 / -02 / -04 / -05
0.5 meter Shadow-NET splitter (2 male to 1 female)	SCM-SCNET-Y
Shadow-NET cable male to male coupler	SCM-SCNET-MMCOUPLER-0.5
3-way audio cable connector	SCM-CABLE-RCA-Y



ACCESSORIES

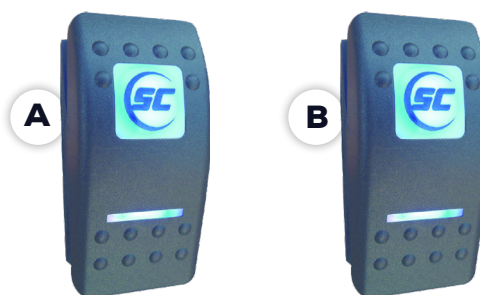
DOCKMOUNT	
DESCRIPTION	MODEL NO.
SCR underwater light with secure dock mounting attachment	SCR-DOCKMOUNT
Adapter plate to mount an SC-2 Underwater Light to the SCR-DOCKMOUNT	SC2-DOCKMOUNT
Adapter plate to mount an SC-3 Underwater Light to the SCR-DOCKMOUNT	SC3-DOCKMOUNT



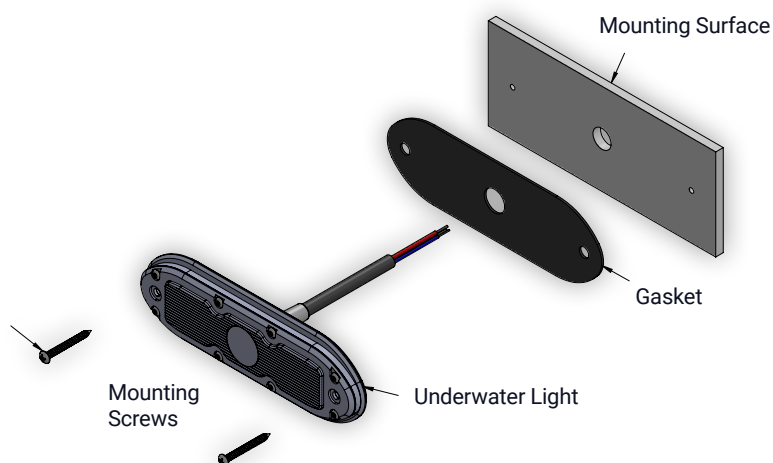
TRIM TAB KITS	
DESCRIPTION	MODEL NO.
Single Trim Tab Mount for SCR series	SCR-TT
Single Trim Tab Mount for SCM-10	SCM-TT-10
Single Trim Tab Mount for SCM-6	SCM-TT-6
Single Trim Tab Mount for SCM-4	SCM-TT-4



SWITCHES	
DESCRIPTION	MODEL NO.
A. Carling switch Off/Momentary	SCM-SWITCH-O/M-BLUE
B. Carling switch Off/On/Momentary	SCM-SWITCH-O/O/MOMENTARY-LOGO



GASKETS	
DESCRIPTION	MODEL NO.
SCR Gasket for metal hulls	SCM-GASKET-SCR
SC2 Gasket for Metal Hulls	SCM-GASKET-SC2-BR
SCM 4 Gasket for metal hulls	SCM-GASKET-SCM4
SCM 6 Gasket for metal hulls	SCM-GASKET-SCM6
SCM 10 Gasket for metal hulls	SCM-GASKET-SCM10
SC3 Thru-Bolt Gasket for metal hulls	SCM-GASKET-SC3TB
SC3 AL Surface Mount Gasket for metal hulls	SCM-GASKET-SC3SM
SC3 Bronze Gasket for metal hulls	SCM-GASKET-SC3SM-BR



REMOTE	
DESCRIPTION	MODEL NO.
Lighting Controller Remote	SCM-ZC-REMOTE





Designed & Manufactured in Clearwater, Florida, USA



VISIT US ONLINE for product details,
support, to find a dealer and more

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