

SCM-DAL™ SERIES

ACCENT LIGHTING STRIP



▶ OPERATION

Thank you for purchasing digitally addressable LED strips from Shadow-Caster® Lighting. These LED strips are designed to be mounted under gunwale areas, hatches, toe kick areas or any area that would benefit from accent lighting. These strips allow each LED to display different colors and brightness, enabling scrolling colors, motion effects, and fun patterns. They are also waterproof and wash-down friendly.

Shadow-Caster Digital LED strips use a “WS” type communication standard and are supported by the Shadow-Caster Digital Lighting Controller (SCM-DLC). Use alone with a switch or control through the screen when used with the Shadow-Caster Light Commander system.

▶ INSTALLATION

Shadow-Caster Digital Accent lighting comes with mounting clips (1 per linear foot), or use an optional mounting track. Note the datasheet defines a minimum bend radius for each strip that should not be violated when mounting. The strips can also be mounted by using silicone adhesive. If the LED strip is too long, it can easily be cut using scissors per the following segment lengths:

| CUT SEGMENTS | |
|---------------------|-------------|
| SCM-DAL-MINI-NEON | 1" (25mm) |
| SCM-DAL-SVMINI-NEON | 1" (25mm) |
| SCM-DAL-LED | .75" (19mm) |

*Note that when cutting down Neon strips, it is recommended to trim back the light diffuser with a sharp Exacto knife to locate the LED cut line.

▶ ELECTRICAL CONNECTIONS: SCM-DAL-LED

- Black** = DC Ground
- Red** = +12 Volt positive
- Blue** = Digital Communications

▶ ELECTRICAL CONNECTIONS: SCM-DAL-MINI-NEON & SVMINI-NEON

- White** = Ground
- Brown** = +12 Volt Positive
- Yellow** = Digital Communications

▶ CARE AND HANDLING

Do not twist or pull LED strip. It is possible to damage solder connections where the wire is connected to the strip and individual LEDs.



| LIST OF TRACKS & COMPATIBILITY | MATERIAL | SCM-DAL-LED-16 | SCM-DAL-MINI-NEON-16 | SCM-DAL-SVMINI-NEON-16 |
|----------------------------------|---------------------------|----------------|----------------------|------------------------|
| SCM-AL-LED-TRACK-HDPE-1M | High Density Polyethylene | X | | |
| SCM-AL-TRACK-1M | Poly Carbonate Clear | X | | |
| SCM-AL-MINI-TRACK-AL-1M | Aluminum | | X | |
| SCM-AL-MINI-TRACK-HDPE-1M | High Density Polyethylene | | X | |
| SCM-AL-SVMINI-NEON-TRACK-HDPE-1M | High Density Polyethylene | | | X |



Designed & Manufactured in Clearwater, FL
© 2021 Shadow-Caster® LEDs. All Right Reserved.

Shadow-Caster® LED Lighting | 2060 Calumet Street | Clearwater, FL 33765
p: +1 727.474.2877 e: info@shadow-caster.com w: shadow-caster.com