

EAGLE RAY LIGHT BAR

HIGH BRIGHTNESS LIGHT BAR



DESCRIPTION

Utilizing automotive lighting technology and novel beam shaping optics, Shadow-Caster has created the Eagle Ray - a unique light bar with a combination of focused laser-driven white light beams and a wide 60° LED flood array to efficiently light your way.

The focused white lights are ideal for long-distance viewing and penetrating fog, rain, and mist. The beam angle and brightness are adjustable with a push button or the Shadow-Caster® NMEA 2000 Light Commander interface.

LASER FEATURES

- Automotive grade laser-driven white lights
- Blue halo illumination around optics indicate power state
- Adjustable 5-100° beam angle control with a switch or MFD interface

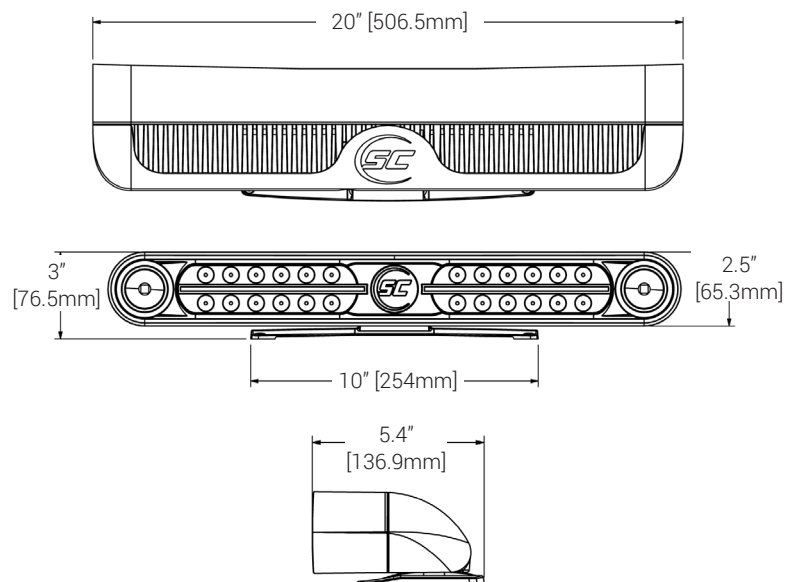
FLOOD FEATURES

- 24 bright white LEDs
- Blue accent light strips indicate brightness level
- 60° beam angle
- Adjustable brightness control with a switch or MFD interface

SPECIFICATIONS

- 20,000 lumens
- Billet Aluminum housing in white or black finish
- Remote power trigger to provide simpler installation (main current supply is not controlled through switch)
- Borosilicate glass window
- 10-30V input
- 200W max power
- 16.5A current draw at 12V DC
- 2.5" H x 20" W x 5.4" D [65.3 x 506.5 x 136.9mm]

DIMENSIONS



Designed & Manufactured
in Clearwater, FL
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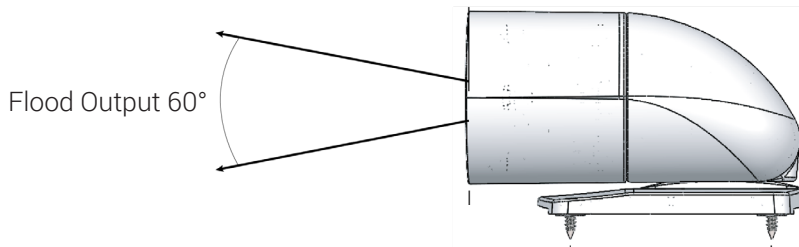
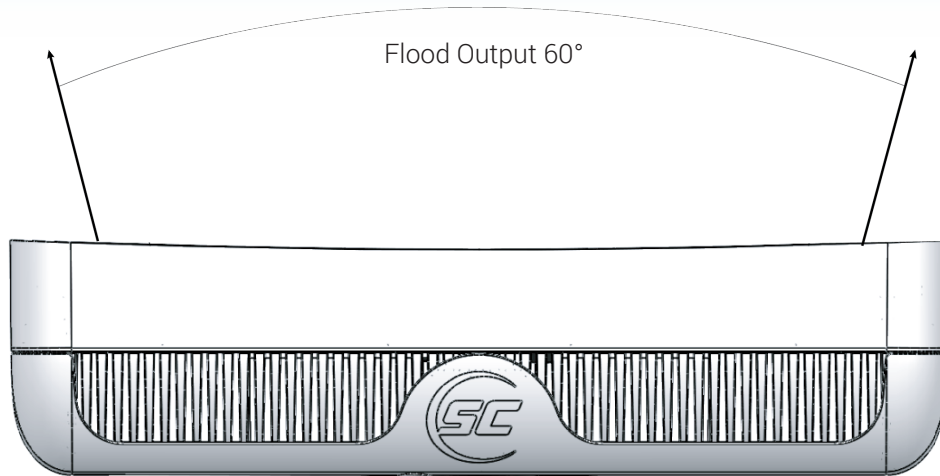
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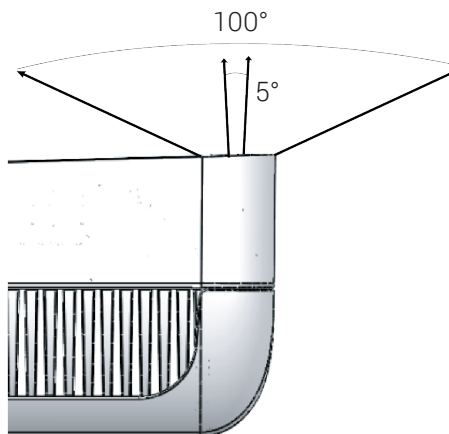


► FLOOD OPERATION



► LASER OPERATION

Laser Output
adjustable 5-100°



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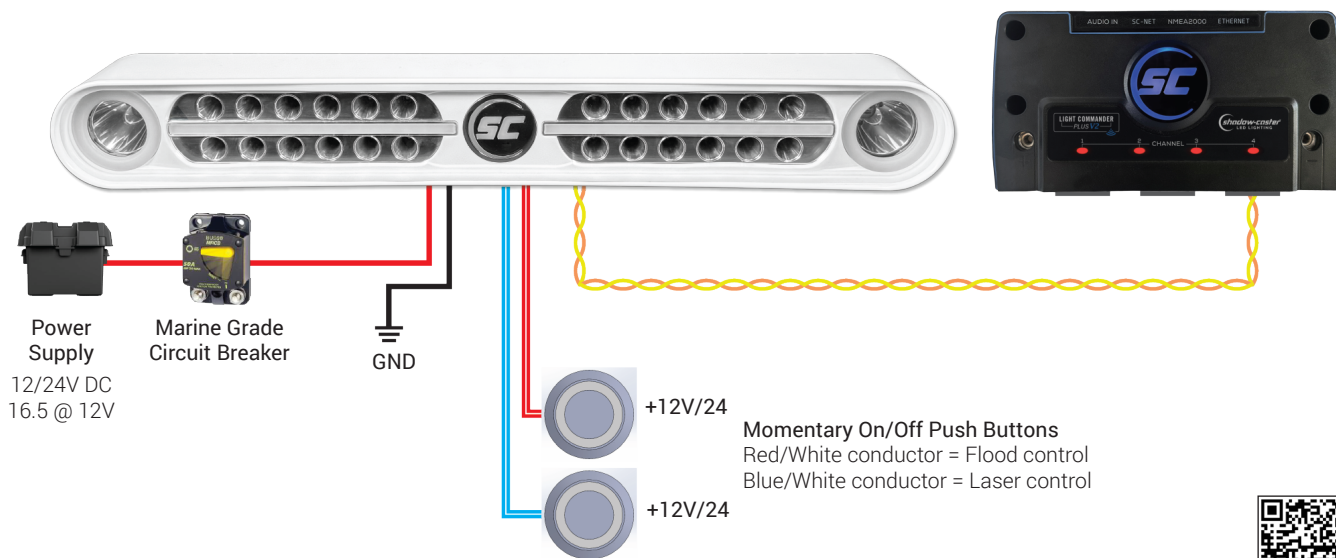
EAGLE RAY



► WIRING & USE SCHEMATIC

SHADOW-NET® COMMUNICATION

Broadcasting digital messages to control the light state and color



View our Wire
Sizing Guidelines

► FLOOD OPERATION

- Click the on/off button to turn the flood lights on (they will ramp up to full brightness)
- Press and hold the button to adjust the brightness
- Click the on/off button to turn the flood lights off

LASER OPERATION

- Click the on/off button once to turn the the laser lights on
- Press and hold the button to adjust the beam angle
- Click the on/off button to turn the laser lights off

GENERAL OPERATION

- White SC logo with blue crescent indicates power ON
- Blue accent light strips indicate flood brightness level
- Blue halo illumination around laser optics indicate laser power state
- The Eagle Ray light bar will appear in the Light Commander controller as two separate devices: "EAGLE RAY FLOOD" and "EAGLE RAY LASER"
- Control the brightness of the flood and control beam angle of the laser spotlight LEDs through the NMEA interface



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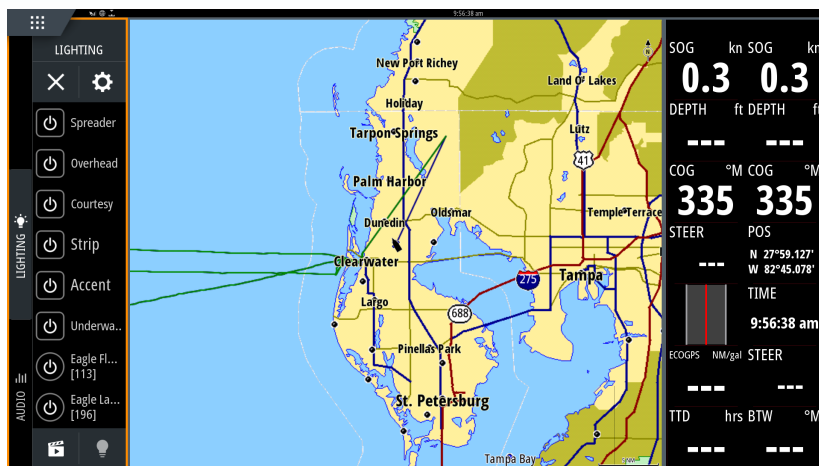
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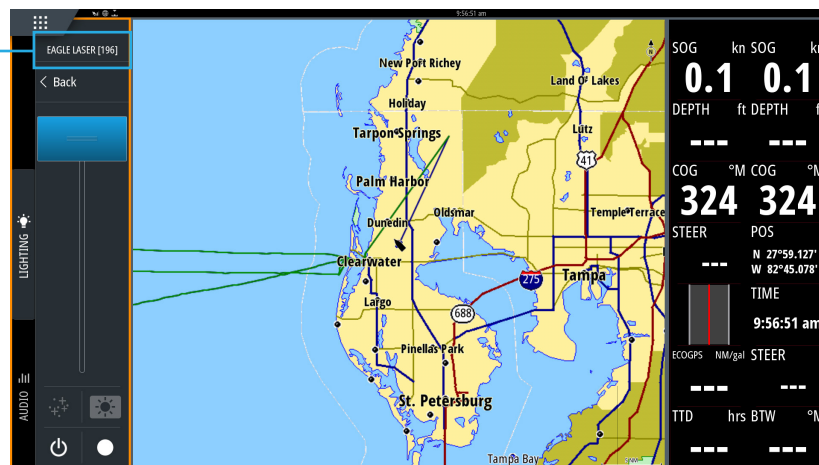


► SIDEBAR CONTROL

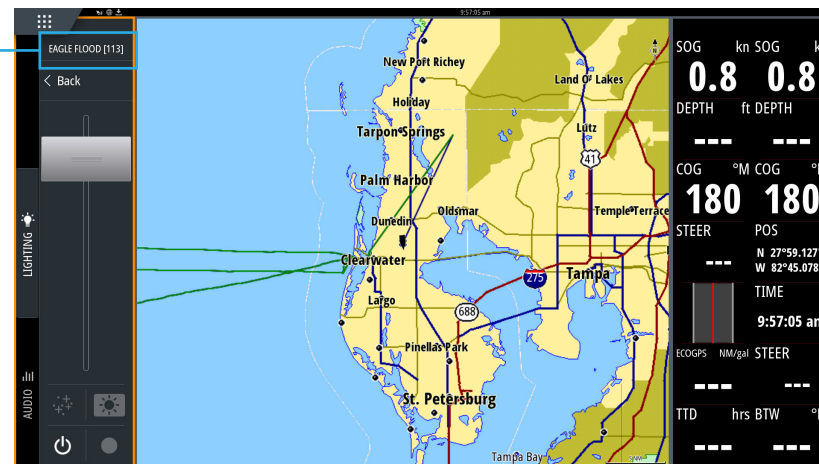
The Eagle Ray Light Bar is available with the Light Commander N2k Model or better, allowing it to be seamlessly interfaced with Simrad, Lowrance, or B&G Multi-Function Displays (MFDs). This advanced lighting solution offers versatile lighting control, featuring both flood and laser controls to provide flexibility and precision for your lighting needs.



Eagle Ray Laser Control



Eagle Ray Flood Control



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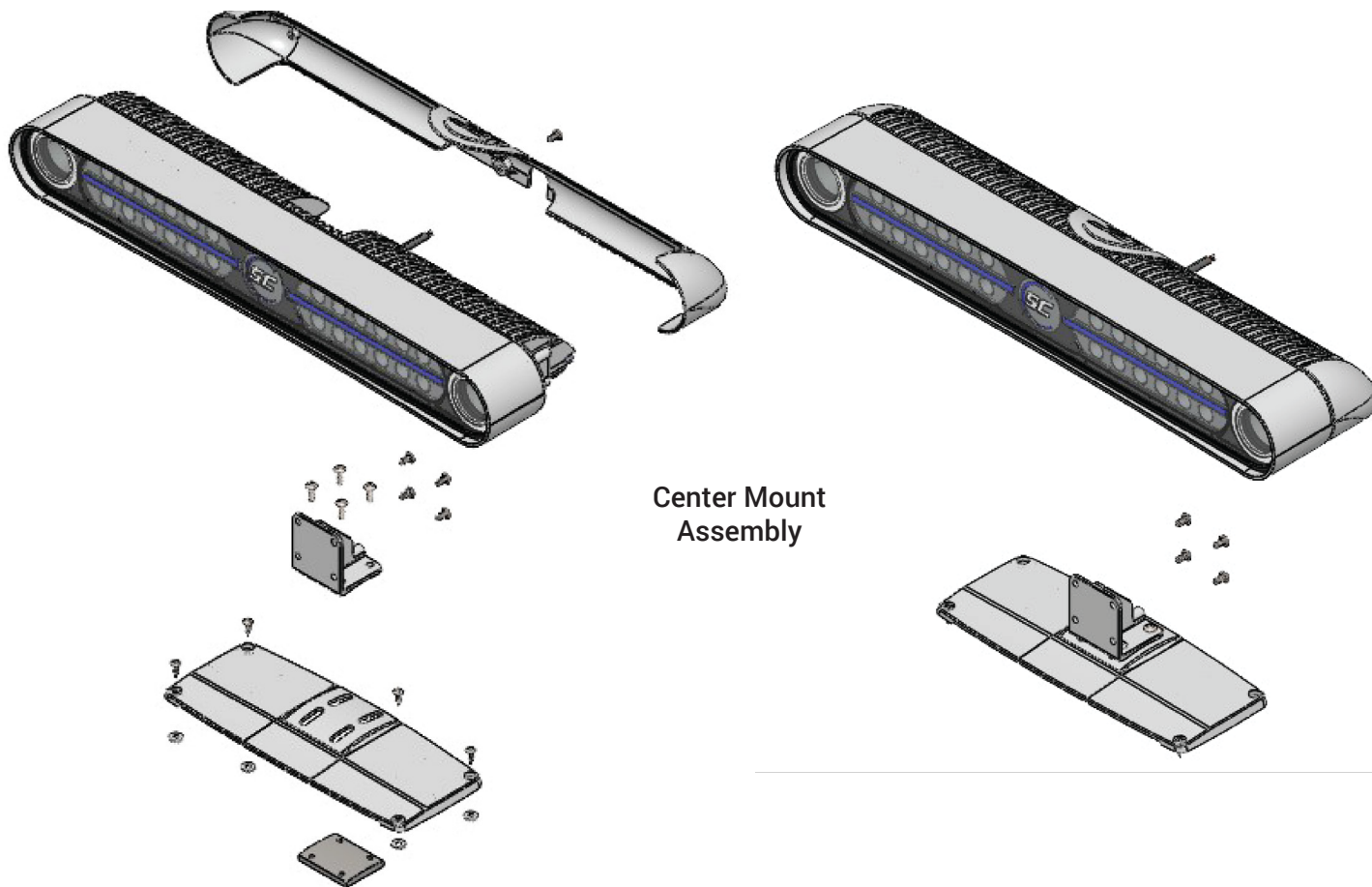
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► MOUNTING INSTRUCTIONS

1. Find a flat spot to mount the Eagle Ray Light Bar.
2. Print the mounting template provided on next page of this document and tape to your preferred mounting location.
3. Drill the 4 pilot holes.
4. Attach the mounting base using the 4 included screws. Make sure all pads are in place on the bottom of the mounting base to protect the boat's mounting surface.
5. Detach the Eagle Ray's back cover to access the center mount fixtures.
6. Attach the Eagle Ray Light Bar to the mounting base using the 4 screws.
7. Loosen the HEX bolts and slide the mount forward/backward on the base to find your preferred angle ($\pm 4.5^\circ$) for the Eagle Ray Light Bar.
8. Tighten the mounting screws once your preferred angle has been chosen.
9. Re-attach the back cover to the Eagle Ray and secure with the included bolt.

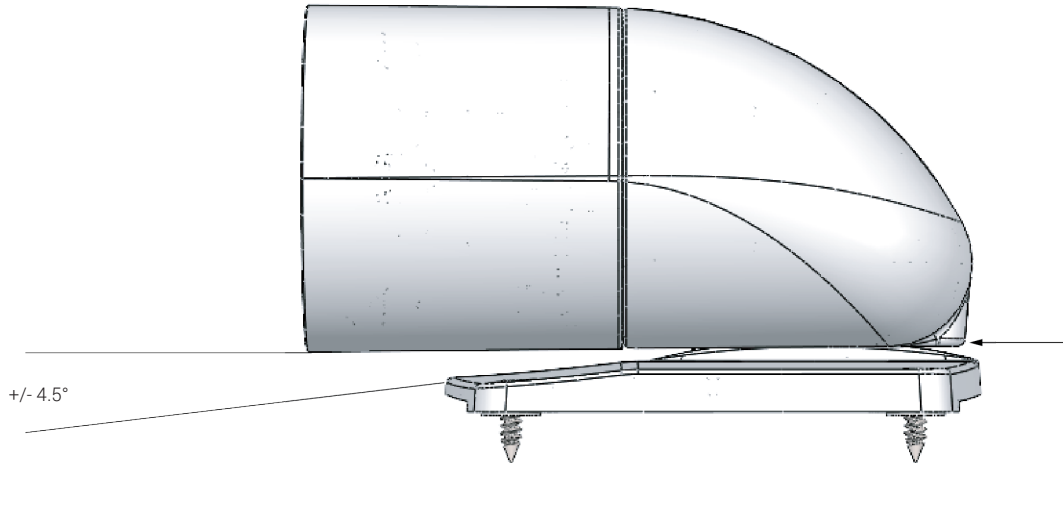


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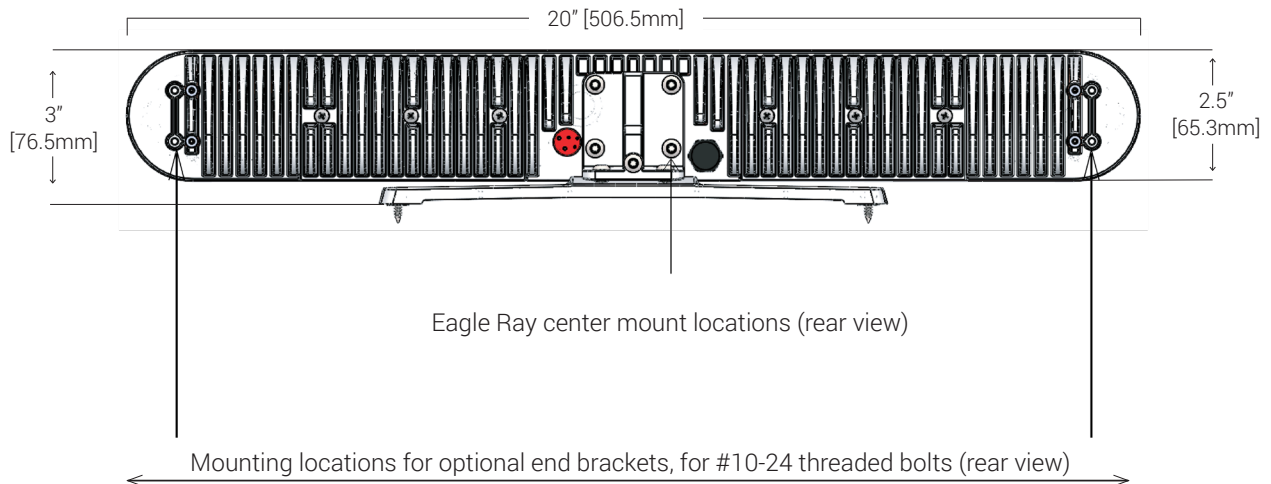
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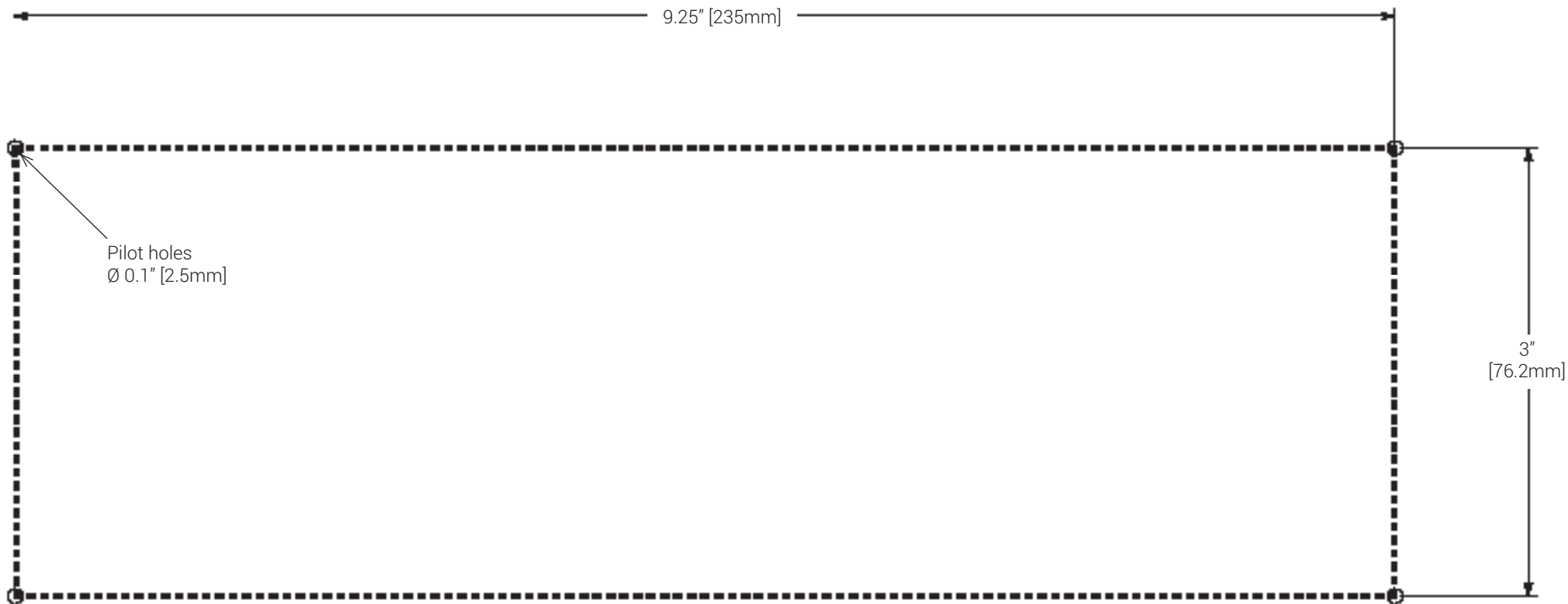
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► MOUNTING TEMPLATE

IMPORTANT!

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



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