

\*Professional Installation Recommended\*



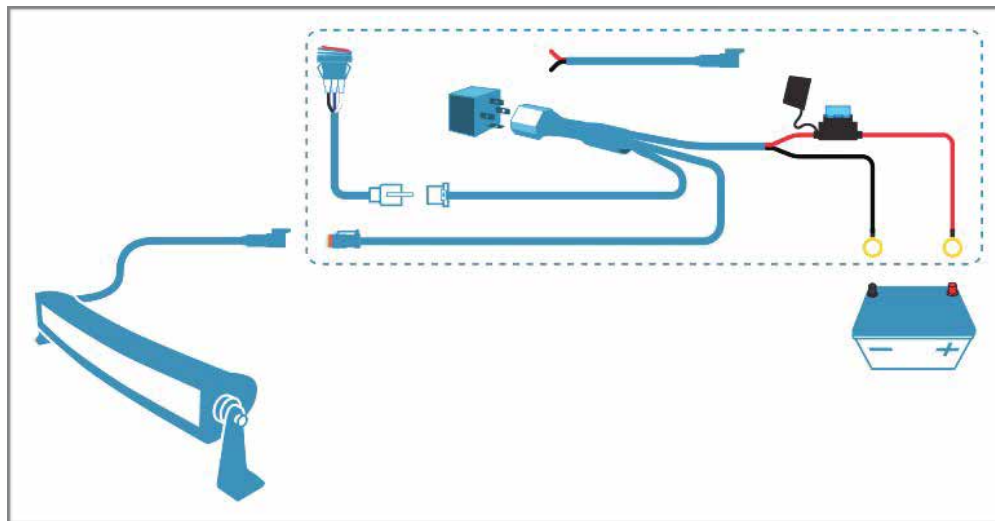
\*To be used for all Series of Light Bars\*

## Wiring Instructions

Wiring and accessories sold separately

### With Wiring Harness (OFF-ROAD VERSION)

1. Find a suitable mounting location that will allow for running wires and mounting the LED light(s). Lay out and mark where the mounting holes will be positioned. Drill appropriate-sized hole(s) for the mounting hardware. Before starting to drill hole(s), check behind locations to insure nothing will be damaged while drilling light mounting holes. Blue painters tape is recommended for layout markings.
2. Mount the lights, being sure not to over tighten the hardware (you will need to adjust them in Step 7). Optional mounting brackets and pipe clamps are available.
3. Route the light side of the wiring harness from the battery to the light(s) in a safe, secure manner. Connect the harness to the light(s) connector. Typically, following the vehicle manufacturer's wiring harness is a safe path to follow.
4. Continue to route the switch portion of the harness to the desired location of the switch. The switch may need to be unplugged from the harness to make routing of the harness easier (take a picture with your phone to help you remember how to connect the wires back to the switch). Drill an appropriate-sized hole for the switch. Connect the wires to the switch and mount the switch. Illuminated rectangular rocker switches are also available with different images.
5. Verify the fuse is the correct size according to the chart on the back side.
6. Connect the black (ground) wire with the large ring terminal from the harness to the negative battery terminal. Connect the red (power) wire with the large ring terminal from the harness to the positive battery terminal.
7. Secure the relay to a suitable location and test the lights to make sure the circuit works properly.
8. Finally, aim the lights in the proper direction, secure all wiring, and tighten all the mounting hardware.



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## Wiring Instructions

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### Wiring Pigtail w/o Harness (MARINE VERSION)

1. Find a suitable mounting location that will allow for running wires and mounting the LED light(s). Lay out and mark where the light will be mounted. Blue painters tape is recommended for layout markings.
2. Mount the lights, being sure not to over tighten the hardware (you will need to adjust them in Step 7). Optional mounting brackets and pipe clamps are available.
3. Route the wiring from the light(s) to a switch (sold separately) in a safe, secure manner. Connect the negative wire to the boats grounding block or negative side of the battery. Connect the positive wire to the output terminal of the switch. Then connect the input terminal of the switch to the boats per (V+) distribution panel. Make sure the wire going to the switch is fused (see chart below for fuse size) and the switch itself is rated for the proper amperage.

SIZE	2"	4"-6"	10"	20"	30"-40"	50"
FUSE	5 AMP	5 AMP	10 AMP	15 AMP	20 AMP	30 AMP

4. If you need to extend the wire from the light you must follow the AWG chart below for the gauge of wire to use.

Length (feet)	American Wire Gauge (AWG)									
	Current (amps)									
	5	10	15	20	25	30	40	50	60	70
15	16	12	10	10	8	8	6	6	4	4
20	14	12	10	8	8	6	6	4	4	4
25	14	10	8	8	6	6	4	4	2	2
30	12	10	8	6	6	4	4	2	2	2
40	12	8	6	6	4	4	2	2	1	1/0

5. Next, test the lights to make sure the circuit work properly.
6. Finally, aim the lights in the proper direction, secure all wiring, and tighten all the mounting hardware.

