Stage Series
RALLY-QUALIFIED LED LIGHTING

DIODE DYNAMICS
PERFORMANCE LIGHTING TECHNOLOGY

SS18   18" Light Bar

Kit Includes: 18" LED Light Bar, Mounting Hardware, Deutsch DT Connector

8 YEAR WARRANTY

Features

- Advanced TIR (total internal reflection) optics
- High intensity 6000K Lumileds LEDs
- Slim design, for easy mounting
- Durable aluminum extrusion
- Pressure equalizing vent to eliminate condensation

Specifications

- Input Voltage: 9-24VDC
- Input Power: 79.8 watts
- Current Draw: 5.7 amps @ 14V
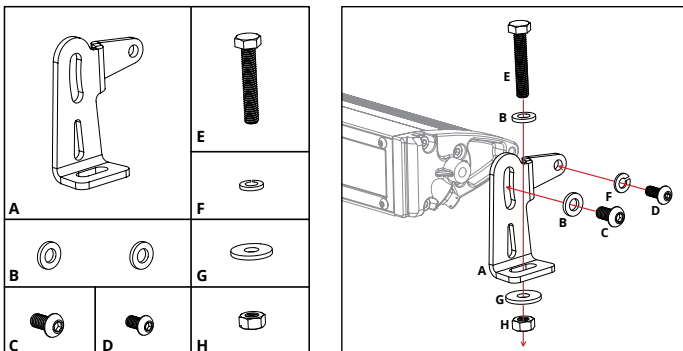- Operating Temperature: -40° to 185°F
- Weight: 3.2 lbs

Wiring

Connect the red wire to positive supply, and black wire to negative or common ground.
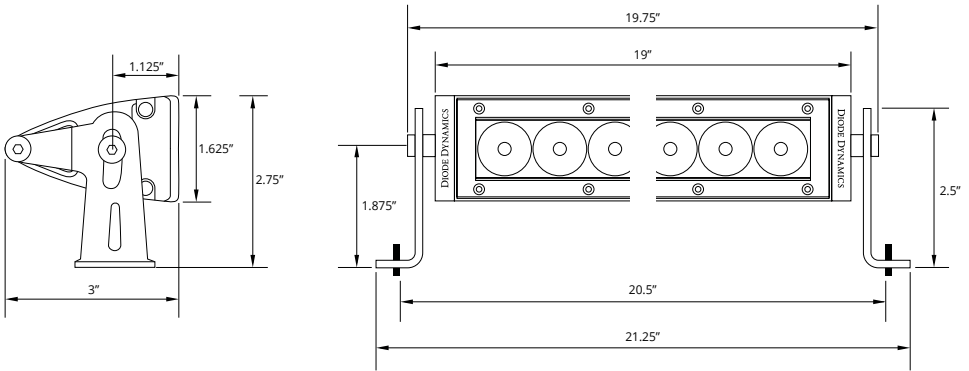**Please note:** This auxiliary lamp draws high current, and requires adequately-sized wiring for safe operation. If you are not using a Diode Dynamics wire harness, use wire sized 16 AWG or larger. If you are using a Diode Dynamics wire harness on a 24V system, you will need to replace the relay with a 24V relay. Please be mindful of current ratings and wire size, especially if splitting power signals to multiple light bars, or using switches. If you have any questions, please feel free to contact us for assistance.

Mounting

If you wish, you may use the included hardware to mount your light bar. A number of fasteners are included, and can be used as you see fit. The most common mounting style is shown below. Stage Series Light Bars are also compatible with most standard mounting brackets on the market. Reference the dimensions on opposite side to determine the best mounting solution for your application.
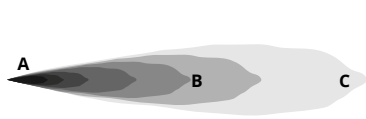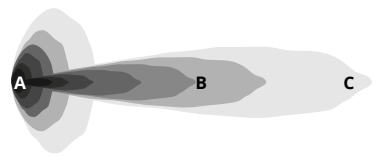
Dimensions

Output

Driving

Flood

Combo

A - lux at 10 meters
B - Distance (m) with 1 lux
C - Distance (m) with .25 lux

SS18 **18" Light Bar**		A	B	C		
Lens Color/Optics	**cd***	**Illuminance (lx)**	**Distance (m)**		**Measured Output**	**Output Color**
White Driving	165,000	**1,650**	406	810	**4,200 lumens**	**6000K White**
White Flood	6,000	**60**	77	150	**4,200 lumens**	**6000K White**
White Combo	99,500	**1,120**	315	630	**4,200 lumens**	**6000K White**
Amber Driving	99,000	**990**	315	630	**2,400 lumens**	**2000K Amber**
Amber Flood	3,600	**36**	60	120	**2,400 lumens**	**2000K Amber**
Amber Combo	47,800	**672**	219	440	**2,400 lumens**	**2000K Amber**

* PEAK BEAM INTENSITY

Please contact **Diode Dynamics** should you have any questions about the installation or wiring process, at **314-205-3033** (10a-5p CST) or **contact@diodedynamics.com.**

This installation guide is for the following SKU:

DD5016 SS18 White Driving Light Bar
DD5030 SS18 White Combo Light Bar
DD6034 SS18 White Flood Light Bar

DD5038 SS18 Amber Driving Light Bar
DD5052 SS18 Amber Combo Light Bar
DD6042 SS18 Amber Flood Light Bar