

### Kit Includes

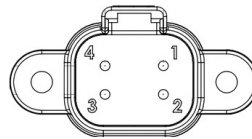
- One (1) Stage Series 5" LED Pod
- One (1) Deutsch-style wire pigtail
- One (1) mounting bracket and hardware

### Features

- Engineered TIR (total internal reflection) optics
- Selectable backlight color, with eight color options
- Built-in linking feature, build up to 50" bar
- Torture-tested, heavy-duty construction
- Ultra-high intensity: shines almost mile away

### Wiring

| PIN   | WIRE COLOR | FUNCTION        | VEHICLE WIRING                       |
|-------|------------|-----------------|--------------------------------------|
| PIN 1 | Red        | Main Beam Power | Connect to positive supply           |
| PIN 2 | Black      | Ground          | Connect to negative or common ground |
| PIN 3 | Blue       | Backlight Power | Connect to your desired function     |



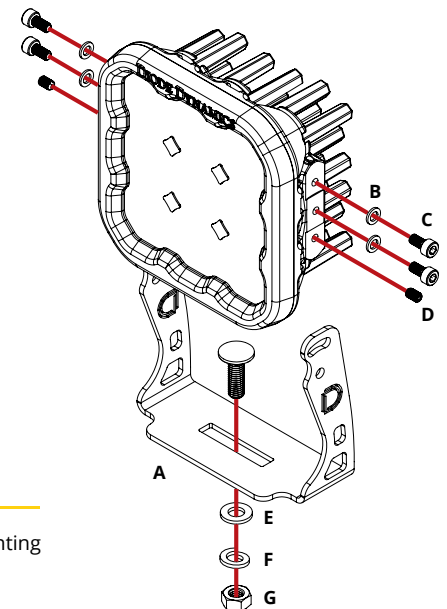
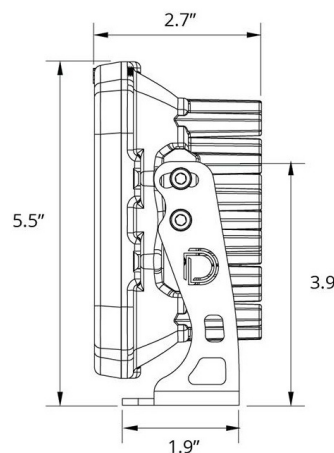
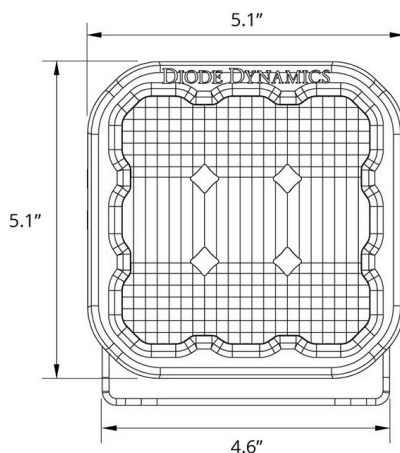
### Specifications

- Input Voltage: 9-16V
- Input Power: SS5 Sport: 40 watts (Main Beam)  
SS5 Sport: 3.2 watts (Backlight)  
SS5 Pro: 90 watts (Main Beam)  
SS5 Pro: 3.2 watts (Backlight)
- Current Draw: SS5 Sport: 3.125 amps @ 12.8V (Main Beam)  
SS5 Sport: 0.25 amps @ 12.8V (Backlight)  
SS5 Pro: 7 amps @ 12.8V (Main Beam)  
SS5 Pro: 0.25 amps @ 12.8V (Backlight)
- Operating Temperature: -40° to 185°F
- Weight: 2.8 lbs (single), 6.3 lbs (pair)



**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. Please be mindful of current ratings and wire size, especially if splitting power signals to multiple pods, or using switches. If you have any questions, please feel free to contact us for assistance.

### Dimensions

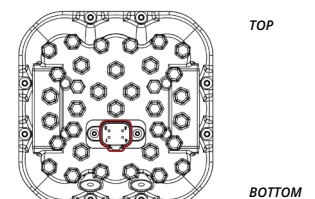


### Mounting

If you wish, you may use the included hardware to mount your pod. Fasteners are included. The most common mounting style is shown below. Stage Series Pods are also compatible with most standard mounting brackets on the market.

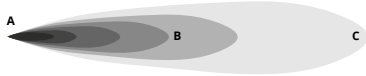
Tools Needed: 1/2" wrench, 2.5mm allen, and 5/32" allen

|                 |                                       |                                 |                               |                                      |
|-----------------|---------------------------------------|---------------------------------|-------------------------------|--------------------------------------|
|                 |                                       |                                 |                               |                                      |
| <b>A</b> HM0151 |                                       |                                 |                               |                                      |
|                 | <b>C</b> HW0106 M5 x 0.8mm, 10mm 18-8 | <b>E</b> HW0030 5/16" 0.75 18-8 | <b>G</b> HW0050 5/16"-18 18-8 | <b>H</b> HW0100 5/16"-18 x 3/4" 18-8 |

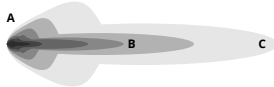


## Output

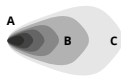
### Driving



### Combo



### Flood



### Spot



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

| SS5 SPORT             |         |                  |                     |       |        | SS5 PRO               |                  |              |              |                     |  |
|-----------------------|---------|------------------|---------------------|-------|--------|-----------------------|------------------|--------------|--------------|---------------------|--|
|                       |         | A                | B                   | C     |        |                       | A                | B            | C            |                     |  |
| Lens Color/Optics     | cd*     | Illuminance (lx) | Distance (m)        |       | SKU    | cd*                   | Illuminance (lx) | Distance (m) |              | SKU                 |  |
| White Driving         | 131,300 | 1,313            | 362                 | 720   | DD6780 | 170,000               | 1,700            | 412          | 820          | DD6782              |  |
| White Flood           | 4,000   | 40               | 63                  | 130   | DD6770 | 8,000                 | 80               | 89           | 180          | DD6776              |  |
| White Spot            | 406,000 | 4,060            | 637                 | 1,270 | DD6768 | 290,000               | 2,900            | 539          | 1,080        | DD6774              |  |
| White Combo           | 82,000  | 820              | 286                 | 570   | DD6769 | 75,000                | 750              | 274          | 550          | DD6775              |  |
| Yellow Driving        | 100,000 | 1,000            | 316                 | 630   | DD6781 | 130,000               | 1,300            | 361          | 720          | DD6783              |  |
| Yellow Flood          | 3,500   | 35               | 59                  | 120   | DD6773 | 6,700                 | 67               | 82           | 160          | DD6779              |  |
| Yellow Spot           | 360,000 | 3,600            | 600                 | 1,200 | DD6771 | 225,000               | 2,250            | 474          | 950          | DD6777              |  |
| Yellow Combo          | 71,000  | 710              | 266                 | 530   | DD6772 | 60,000                | 600              | 245          | 490          | DD6778              |  |
| * PEAK BEAM INTENSITY |         |                  |                     |       |        | * PEAK BEAM INTENSITY |                  |              |              |                     |  |
| Measured Output       |         | Output Color     |                     |       |        | Measured Output       |                  | Output Color |              |                     |  |
| White                 |         | 3,820 lumens     | White 6000K White   |       |        |                       | White            |              | 9,600 lumens | White 6000K White   |  |
| Yellow                |         | 3,700 lumens     | Yellow 3000K Yellow |       |        |                       | Yellow           |              | 7,900 lumens | Yellow 3000K Yellow |  |

## SS5 Backlight Operation

### Backlight Colors:

White (Default), Red, Blue, Green, Magenta, Yellow, Amber, and Cyan

### Programming:

1. Start with all power turned off. Cycle the backlight power on and back off three times quickly, within three seconds. (ON-OFF-ON-OFF-ON-OFF) You are now in programming mode.
2. Continue cycling power quickly until the desired color is selected, leaving it on that color. (ON-OFF...-ON)
3. Leave the desired color on for 5 seconds. This color will be saved, and the lamp will exit programming mode.
4. Turn off the power. The saved color will now appear any time backlight power is applied, under normal operation.
5. To select a new color, repeat these steps to enter programming mode, and save a new color. You can start over and exit programming mode at any time by leaving the backlight on for more than 5 seconds, then switching it off.

### Color Reset:

If you have multiple lamps connected together, is possible that one or more colors may get "out of sync" with the others. If this happens, follow the Color Reset procedure.

1. Enter programming mode by cycling power on and back off three times quickly, within three seconds. (ON-OFF-ON-OFF-ON-OFF)
2. Continue cycling power quickly, going through all color options twice. This will take at least 16 power cycles.
3. After all colors have been displayed twice, all lamps will reset to White, the default color, and will not continue to change colors. Once all lamps are only displaying white backlights, leave the power on for 5 seconds to save the White color.
4. All lamps are now set to White again. You may proceed to program your desired backlight color as normal.

**NOTE:** The backlight instructions above are for white pods only.

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**.