



**STROBESRUS**

A SHYFT Group Brand



SRUS3D SINGLE COLOR LIGHT HEAD

## INSTALL MANUAL

### WIRING

RED wire:	Positive / DC Power (+12 VDC)
BLACK wire:	Negative / Ground
WHITE wire:	Steady burn (+12 VDC)
BLUE wire:	Changing flash pattern (- GND)
YELLOW wire:	Synchronization

### OPERATION

First connect the lighthouse to POSITIVE DC power and GROUND. Then use the BLUE wire to select the flash pattern by applying it to GROUND. Please see chart below.

- Less than 1 second: Next pattern
- Between 1-3 seconds: Previous pattern
- Between 3-5 seconds: Factory default pattern
- More than 5 seconds: Turn OFF

For the Steady burn override function connect the WHITE wire to RED/POSITIVE DC power to override the existing flash pattern.

### SYNCHRONIZATION

Connect the YELLOW wire together for synchronization among the SRUS3D lighthouses. Use different Phases (Phase 1, Phase 2) to set the lighthouses to flash simultaneously or alternate.

Two different sync options:

Same Pattern, Same Phase:

All lighthouses start and stop at the same time (simultaneously)

Same Pattern, Different Phase:

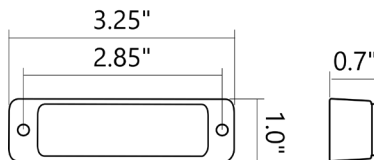
Flash alternately, one lights up, the other turns off

### FLASH PATTERN TABLE

P1	Single 75FPM Phase 1
P2	Single 75FPM Phase 2
P3	Single 120FPM Phase 1
P4	Single 120FPM Phase 2
P5	Double 75FPM Phase 1
P6	Double 75FPM Phase 2
P7	Double 120FPM Phase 1
P8	Double 120FPM Phase 2
P9	Quad 75FPM Phase 1
P10	Quad 75FPM Phase 2
P11	Quad 150FPM Phase 1
P12	Quad 150FPM Phase 2
P13	Triple 75FPM Phase 1
P14	Triple 75FPM Phase 2
P15	Quint 150FPM Phase 1
P16	Quint 150FPM Phase 2
P17	Steady Burn
P18	Modulation
P19	2 Double, 2 Triple Alt.
P20	4 Single, 2 Quad
P21	OFF

## TECHNICAL SPECIFICATION

- Voltage: 10 - 30VDC
- Current Draw: 0.60A max @DC12V; 0.35A max @DC24V
- Power Consumption: 8 Watt
- Protection: IP67 Waterproof, Reverse Polarity Protection
- Ambient Temperature: -20°F to +125°F
- Dimensions: 3.25" x 1.00" x 0.70" (L x H x D)



## TROUBLESHOOTING

This Lighthouse has been factory tested and approved. If the functions of the device fail, please check the following.

1. After connecting with the power supply, be sure that the power source end is joined in correct way.
2. Ensure Power switch is turned to "ON" position.
3. Press the Pattern switch to be sure the "OFF pattern" is not selected. If the BLUE wire touches the BLACK wire over 5 seconds, it will switch to the OFF pattern. It will light up again when the BLUE wire touches the BLACK wire less than 1 second.
4. To synchronize 2 lighthouses together, first set both lighthouses on the same pattern. Then connect the YELLOW wires together for the lights you want synchronized (max. 8 lighthouses). They will either flash SIMULTANEOUSLY or ALTERNATING depending on the phase of pattern you chose.

### **Please read all the following instructions before installing your LED lighthouse.**

Failure to install or use this product according to manufacturer's recommendations may result in property damage or serious injury.

- Proper installation of this product requires good understanding of automotive electronics, systems and procedures.
- This product contains high-intensity LEDs. Do not stare directly into these lights. Could result in blindness and/or eye damage.
- Do not install this product or route any wires in the deployment area of the vehicle's airbag zone. Equipment mounted or located in the airbag deployment zone will damage or reduce the effectiveness of the airbag or become a projectile that could cause serious personal injuries. Refer to the vehicle owner manual for the airbag deployment zone.
- If mounting this product requires drilling holes, the installer must be sure that no vehicle components or other vital parts could be damaged by the drilling process. For example: The vehicle's OEM wiring harness.
- Inspect and operate this product regularly to confirm its proper operation and mounting condition.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure is to properly ground the negative wire from the lighthouse power cable directly to the NEGATIVE (-) battery post.
- This lighthouse has a 5 year warranty. If the product is not installed per the installation guidelines, the 5 year warranty will be void.

**FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**



## DRILL TEMPLATE

