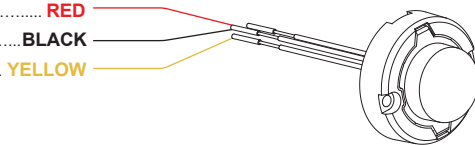


**SINGLE
COLOR****12 LED SINGLE COLOR LIGHTHEAD****WIRING**To +VDC (fuse @2A)..... **RED**To Chassis Ground..... **BLACK**For Synchronization and Flash Pattern..... **YELLOW**Connect **YELLOW** wires of all lighthead together for synchronization.

(All lighthead should be set to the same Flash Pattern)

**OPERATION****For Simultaneous or Alternating Synchronization:**1. Apply +VDC to **RED** and **YELLOW** wires simultaneously to enter *SETTING MODE*; the lighthead will display short flashes:

- Single flash = Group 1
- Double flash = Group 2

2. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for more than 3 seconds to change Groups:

- Lighthead of the same Group will flash together.
- Lighthead of the different Group will flash alternately.

3. Save and exit *SETTING MODE* by disconnecting all power.**Reset to Factory Default Settings:**1. Apply +VDC to **RED** and **YELLOW** wires simultaneously to enter *SETTING MODE*;2. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for more than 5 seconds. The lighthead will display fast short flashes to signify restoring successfully.3. Save and exit *SETTING MODE* by disconnecting all power.**DUAL
COLOR****6+6 LED DUAL COLOR LIGHTHEAD****WIRING**To +VDC for Warning Mode ① (fuse @2A)..... **RED**

Default Color Mode - Color 1

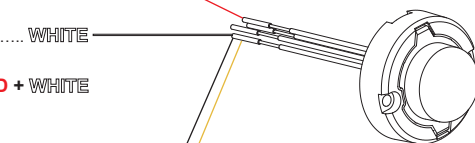
To +VDC for Warning Mode ② (fuse @2A)..... **WHITE**

Default Color Mode - Color 2

To +VDC for Warning Mode ③ **RED + WHITE**

Default Color Mode - Color 1 alt. 2

(Order Precedence: Mode③ > Mode② = Mode①)

To Chassis Ground..... **BLACK**For Synchronization and Flash Pattern..... **YELLOW****OPERATION****For Simultaneous or Alternating Synchronization:**1. Apply +VDC to **RED** (or **WHITE** or **RED+WHITE**) and **YELLOW** wires simultaneously to enter *SETTING MODE*; the lighthead will display short flashes:

- Single flash = Group 1
- Double flash = Group 2

2. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for more than 3 seconds to change Groups:

- Lighthead of the same Group will flash together.
- Lighthead of the different Group will flash alternately.

3. Save and exit *SETTING MODE* by disconnecting all power.**NOTE:** All warning modes share the same Group setting.**For Color Mode Setting:**1. Each Warning Memory may select and save one Color Mode. Apply +VDC to **RED** (or **WHITE** or **RED+WHITE**) and **YELLOW** wires simultaneously to enter *SETTING MODE*; the lighthead will display its current Color Mode:

- Single Color flashing Color 1 = Color 1
- Single Color flashing Color 2 = Color 2
- Dual Color flashing Color 1 = Color 1 alt. 2
- Dual Color flashing Color 2 = Color 2 alt. 1

2. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for less than 3 seconds to change Color Mode.3. Save and exit *SETTING MODE* by disconnecting all power.**Reset to Factory Default Settings:**1. Apply +VDC to **RED** (or **WHITE** or **RED+WHITE**) and **YELLOW** wires simultaneously to enter *SETTING MODE*;2. Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for more than 5 seconds. The lighthead will display fast short flashes to signify restoring successfully.3. Save and exit *SETTING MODE* by disconnecting all power.

FLASH PATTERN SELECTION

Each Warning Mode may select and save one Flash Pattern. While activating a Warning Mode, momentarily apply **YELLOW** wire to +VDC:

- Once to next pattern.
- Quick three times to the default Flash Pattern (FP#1).

NOTE:

1. BOLD fonts indicate default settings.
2. * For use with external flash controller.
3. # For use as Rear clearance and/or Front Side Maker.
4. FP#13-21 will always operate in dual color.

Flash Patterns			
1	Double	13	Double
2	Single	14	Single
3	Quad	15	Quad
4	Quint	16	Quint
5	Mega	17	Mega
6	Ultra	18	Ultra
7	Single-Quad	19	Single-Quad
8	Single H/L	20	Single H/L
9	Single-Triple-Quint	21	Single-Triple-Quint
10	Steady EF*		
11	Steady Cruise		
12	Steady SM#		

IN-LAMP INSTALLATION

1. Follow vehicle manufacturers' instruction, and remove the Corner/Head/Tail lamp assembly from the vehicle.
2. Select a location to mount the lighthouse and drill an 1-inch (diameter) cut-out on the housing of lamp assembly.
3. Use supplied screws & foam or optional 3M™ VHB™ to secure the lighthouse onto lamp assembly.

A Screw Mount w/ Foam (supplied)

1. De-burr the cut-out, and then insert the lighthouse through the foam also the cut-out.
2. Secure the lighthouse with supplied sheet metal screws (#6).
3. Apply silicone (user-supplied) around the cut-out for better sealing and fit.

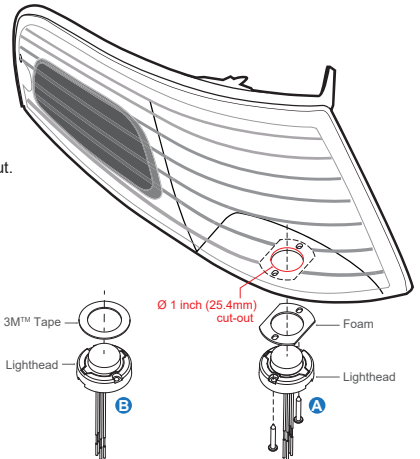
WARNING: Do NOT cover the heatsink with silicone. This may cause LED overheating and void its warranty through misuse of product.

B Self-Adhesive (optional)

1. Clean and dry the surface around the cut-out with 50:50 mix of isopropyl alcohol and water.
2. Apply the 3M™ VHB™ Mount to the lighthouse and press it firmly for 30 seconds.
3. Remove the tape liner from the tape on the lighthouse.
4. Insert the lighthouse into the cut-out and press it firmly for 30 seconds.

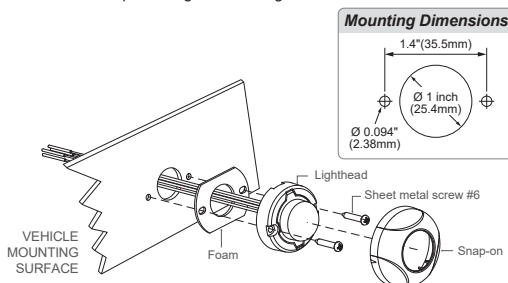
NOTE: 1. 3M™ VHB™ Mount is sold separately.

2. Full adhesion and bonding will be achieved after 72 hours at room temperature.



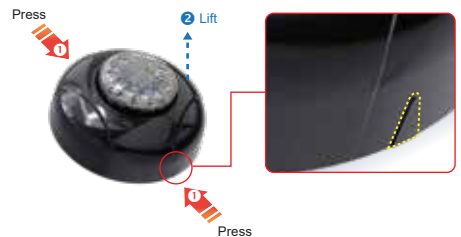
FLANGE MOUNT INSTALLATION

1. Use the supplied foam to mark wire and screw holes before drilling.
2. Drill appropriate pilot holes and an 1" (25.4 mm) for wires as illustration shown.
3. De-burr the holes and then insert the lighthouse through the foam also the wire hole.
4. Secure the lighthouse with supplied sheet metal screws (#6).
5. Mount the snap-on flange onto the lighthouse.



NOTE: Make sure to use the foam when mounting the lighthouse.

FLANGE REMOVAL



1. Apply pressure on both sides marked with triangle.
2. Lift the flange to remove.

NOTE: Avoid from multiple mount and removal of the flange to prevent loose fit.