

DUAL COLOR 3+3 LED DUAL COLOR LIGHTHEAD

WIRING

To Chassis Ground:..... **BLACK**

To +VDC for Warning Mode ① (fuse @ 1A):..... **RED**
Default Color Mode - Color 1

To +VDC for Warning Mode ② (fuse @ 1A):..... **WHITE**
Default Color Mode - Color 2

(To +VDC for Warning Mode ③:..... **RED+WHITE**)
Default Color Mode - Color 1 alt. 2
Order of Precedence: Mode ③ > Mode ① = Mode ② > Cruise Mode

To +VDC for Cruise Mode (fuse @ 1A):..... **GREEN**

For Synchronization and Flash Pattern:..... **YELLOW**

Connect **YELLOW** wires of all lightheads together for synchronization.
(All lightheads should be set to the same Flash Pattern)

OPERATION

For 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).
(refer to Flash Pattern Chart)

For Simultaneous or Alternating Synchronization:

- 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
- Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for more than 3 seconds to change Groups:
 - Lightheads of the same Group will flash together.
 - Lightheads of the different Group will flash alternately.
- Save and exit *SETTING MODE* by disconnecting all power.

NOTE: All warning modes share the same Group setting.

For Color Mode Setting:

- 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
- Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for less than 3 seconds to change Color Mode.
- Save and exit *SETTING MODE* by disconnecting all power.

Reset to Factory Default Settings:

- Apply +VDC to **RED** (or **WHITE** or **RED+WHITE**) and **YELLOW** wires simultaneously to enter *SETTING MODE*;
- 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.
- Save and exit *SETTING MODE* by disconnecting all power.

Flash Pattern (Dual Color)					
1	Double	[2Hz]	8	Double	[SAE]
2	Single	[2Hz]	9	Triple	[SAE]
3	Triple	[2Hz]	10	Quad	[SAE]
4	Quad	[2Hz]	11	Quint	[SAE]
5	Random		12	Mega	
6	Steady EF*		13	Giga	
7	Single	[SAE][CA13]	14	Ultra	[SAE]
15	Single-Quad		16	Single-H/L	
17	Single-Triple-Quint		18	Steady Scene	
19	Single-Single		20	Double-Double	
21	Triple-Triple Mid		22	Triple-Triple Fast	
23	Quint-Triple		24	7-1 Flash	
25	7-1 Flash#		26	Quad-Single	
27	Quad-Single#		28	Quint-Quint	

FP#19-28 will always operate in dual color.

* For use with external flash controller.

Inverted color mode.

SINGLE COLOR 6 LED SINGLE COLOR LIGHTHEAD

WIRING

To Chassis Ground:..... **BLACK**

To +VDC for Warning Mode (fuse @ 2A):..... **RED**
Apply +VDC to **RED** wire for High Power Operation (100%).

For Low Power Operation:..... **WHITE**
Apply +VDC to **WHITE** wire while **RED** wire is activated for Low Power Operation (40%).

To +VDC for Cruise Mode (fuse @ 2A):..... **GREEN**
Order of Precedence: Warning Mode > Cruise Mode

For Synchronization and Flash Pattern:..... **YELLOW**

Connect **YELLOW** wires of all lightheads together for synchronization.
(All lightheads should be set to the same Flash Pattern)

OPERATION

For 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).
(refer to Flash Pattern Chart)

For Simultaneous or Alternating Synchronization:

- 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
- Remove **YELLOW** wire from +VDC then momentarily apply to +VDC again for more than 3 seconds to change Groups:
 - Lightheads of the same Group will flash together.
 - Lightheads of the different Group will flash alternately.
- Save and exit *SETTING MODE* by disconnecting all power.

Reset to Factory Default Settings:

- Apply +VDC to **RED** and **YELLOW** wires simultaneously to enter *SETTING MODE*;
- 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.
- Save and exit *SETTING MODE* by disconnecting all power.

Flash Pattern (Single Color)					
1	Double	[2Hz]	10	Quad	[SAE]
2	Single	[2Hz]	11	Quint	[SAE]
3	Triple	[2Hz]	12	Mega	
4	Quad	[2Hz]	13	Giga	
5	Random		14	Ultra	[SAE]
6	Steady EF*		15	Single-Quad	
7	Single	[SAE][CA13]	16	Single H/L	
8	Double	[SAE]	17	Single-Triple-Quint	
9	Triple	[SAE]	18	Steady Scene	

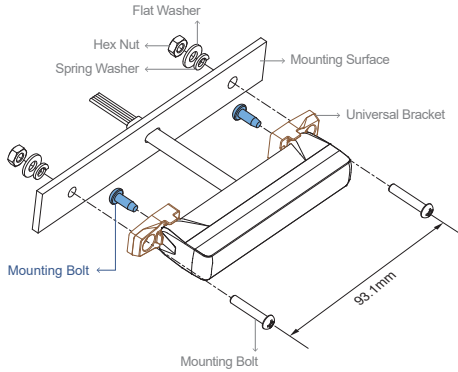
* For use with external flash controller.

INSTALLATION

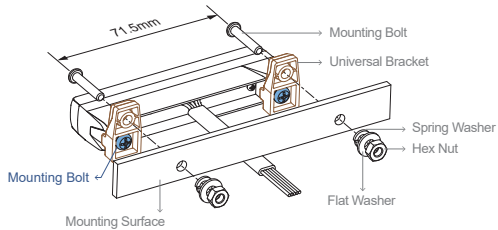
Universal Bracket (Multi-Angle)

NOTE:

Tighten the mounting bolts with the suggested range of torque value:
7.5~15 kgf-cm (6.5~13 lbf-in).



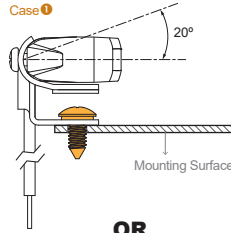
OR



Adjustable Bracket (Optional)

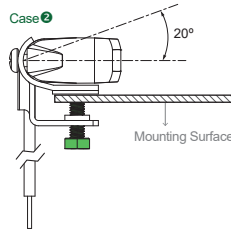
The angle of lighthouse is adjustable up to 20 degree for optimum warning efficiency.

Case ①



OR

Case ②



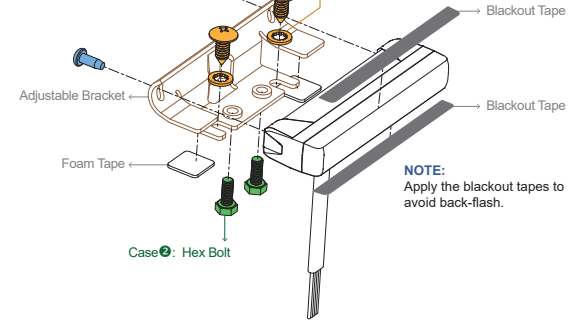
NOTE:

Tighten the mounting bolts with the suggested range of torque value:
7.5~15 kgf-cm (6.5~13 lbf-in).

Mounting Bolt

Case ①: Mounting Screw

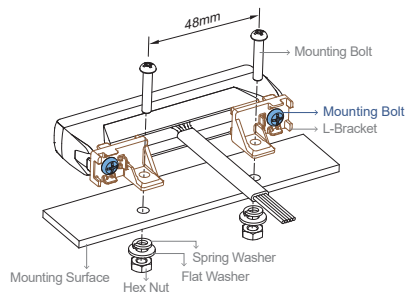
Case ①: Toothed Washer



L-Bracket (Front / Rear)

NOTE:

Tighten the mounting bolts with the suggested range of torque value:
7.5~15 kgf-cm (6.5~13 lbf-in).



OR

