

Installation Guide

Aluminum Based Mini Lighthouse Size 4

Specification

Input Voltage	10-30VDC
Input Current	1.3A max@DC12V 1.0A max@DC24V
Output Power	Single : LEDs* 4 Dual : LEDs* 8 Quad : LEDs* 12
Waterproof	IP67



Important



User Manual

Recommend Operation Environment

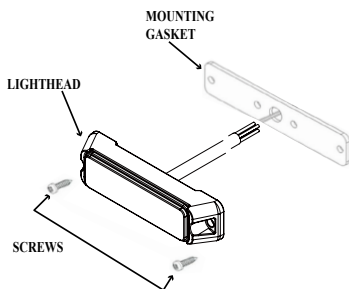
Ambient Temperature: -30 to 50°C

Relative Humidity: 10 to 85% , non-condensing

Caution:

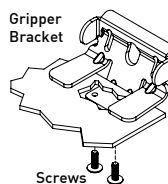
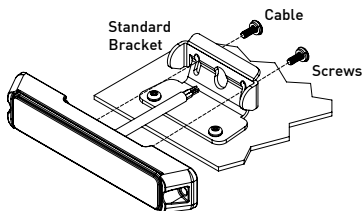
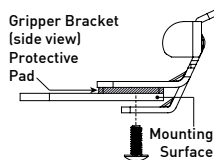
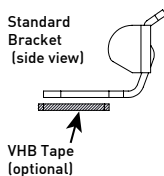
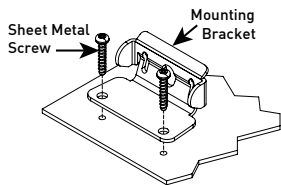
Please ensure that you scan the QR code from above and read all important notices before proceeding with any installation or operation. Failure to thoroughly read these instructions may result in potentially serious consequences.

Mounting



	Single	Dual	Quad
YELLOW	Connect Yellow Wire of all lightheads together for synchronization		
BLUE	Flash Pattern Selection (-)		Flash Pattern Selection(-) Dim(+)
BLACK	Ground (-)		
RED	warning (+)	Color 1(+)	To +10-30VDC (fuse @2A)
WHITE	Optional,Dim or steady(-)	Color 2(+)	Memory function
ORANGE	N/A		Memory function
GREEN	N/A		Mode switch

*Options in WHITE for Single color : Steady Burn / Dim



Operation Instruction

1. Apply BLUE wire TO NEGATIVE:

- Less than 1 sec. for Next Pattern.
- Between 1-3 sec. for Previous Pattern.
- Between 3-5 sec. for Factory default pattern.
- More than 5 sec. for Last Pattern.

2. Wire Function:

RED: Positive

BLACK: Negative

BLUE: Pattern Switch

YELLOW: Synchronized Function

***WHITE:** (Optional)

For Single: Steady Burn or Dim Function

For Dual: Color 2 flashing

***ORANGE:** (Optional)

For Quad: Memory function

***GREEN:** (Optional)

For Quad: Memory function

*Maximum of 8 pcs Size 4 Series can be synchronized.

3. Inspect the contents to be certain that the following items are included:

A : Lighthouse *1

B : Screw *2

C : Manual *1

D : Mounting Gasket *1

E : Universal Brackets (Optional)

Flash Pattern

Phase Operation:

- Phase 1 (Ph1) flashes simultaneously with Ph1
- Phase 2 (Ph2) flashes simultaneously with Ph2
- Ph1 alternates with Ph2

Setting Synchronization:

- Set all lights to the same Flash Pattern, then connect the Yellow wire of all light together for synchronization.
- Maximum of 8 Warning Lights can be synchronized.

***To access the flash pattern chart, please scan the QR code provided above.
Alternatively, ensure you request the correct flash pattern chart through the channel from which you acquired this product.**

Flash Pattern Single Color

Phase Operation

- Default: Single 75 FPM color1. Ph1
- Phase Operation: Ph1= Phase 1 / Ph2=Phase 2
- Phase 1 (Ph1) flashes simultaneously with Ph1
- Phase 2 (Ph2) flashes simultaneously with Ph2
- Ph1 alternates with Ph2

Setting Synchronization :

- Set all lights to the same Flash Pattern, then connect the Yellow wire of all light together for synchronization.
- Maximum of 8 Warning Lights can be synchronized.

Size 4 Wire Function :

	Function
YELLOW	Connect Yellow Wire of all lighthoods together for synchronization
BLUE	Flash Pattern Selection (-)
BLACK	Ground (-)
RED	warning (+)
WHITE	Optional,Dim or steady(-)

SINGLE COLOR

PA NO.	Description
1	Single 75 Ph1
2	Single 75 Ph2
3	Single 75 Alt.
4	Single 120 Ph1
5	Single 120 Ph2
6	Single 120 Alt.
7	Double 75 Ph1
8	Double 75 Ph2
9	Double 75 Alt.
10	Double 120 Ph1 (R65)
11	Double 120 Ph2 (R65)
12	Double 120 Alt.
13	Quad 75 Ph1
14	Quad 75 Ph2
15	Quad 75 Alt.
16	Quad 150 Ph1
17	Quad 150 Ph2
18	Quad 150 Alt.
19	Triple 75 Ph1
20	Triple 75 Ph2
21	Triple 75 Alt.
22	Quint 150 Ph1
23	Quint 150 Ph2
24	Quint 150 Alt.
25	Steady - Single
26	Steady Burn
27	Modulation
28	2 Double, 2 Triple Alter
29	4 Single, 2 Quad
30	OFF

Flash Pattern Dual Color

Phase Operation

- Default: Single 75 FPM color1. Ph1
- Phase Operation: Ph1= Phase 1 / Ph2=Phase 2
- Phase 1 (Ph1) flashes simultaneously with Ph1
- Phase 2 (Ph2) flashes simultaneously with Ph2
- Ph1 alternates with Ph2

Setting Synchronization :

- Set all lights to the same Flash Pattern, then connect the Yellow wire of all light together for synchronization.
- Maximum of 8 Warning Lights can be synchronized.

Size 4 Wire Function :

	Function
YELLOW	Connect Yellow Wire of all lighthead together for synchronization
BLUE	Flash Pattern Selection (-)
BLACK	Ground (-)
RED	Color 1(+)
WHITE	Color 2(+)

DUAL COLOR

PA NO.	Description	PA NO.	Description
1	Single 75 FPM color1. Ph1 (Factory Default)	26	Triple 75FPM Color1. Ph2
2	Single 75FPM Color1. Ph2	27	Triple 75FPM Color2. Ph1
3	Single 75FPM Color2. Ph1	28	Triple 75FPM Color2. Ph2
4	Single 75FPM Color2. Ph2	29	Triple 75FPM Color1 Alt Color2. Ph1
5	Single 75FPM Color1 Alt Color2. Ph1	30	Triple 75FPM Color1 Alt Color2. Ph2
6	Single 75FPM Color1 Alt Color2. Ph2	31	Triple 150FPM Color1. Ph1
7	Single 120FPM Color1. Ph1	32	Triple 150FPM Color1. Ph2
8	Single 120FPM Color1. Ph2	33	Triple 150FPM Color2. Ph1
9	Single 120FPM Color2. Ph1	34	Triple 150FPM Color2. Ph2
10	Single 120FPM Color2. Ph2	35	Triple 150FPM Color1 Alt Color2. Ph1
11	Single 120FPM Color1 Alt Color2. Ph1	36	Triple 150FPM Color1 Alt Color2. Ph2
12	Single 120FPM Color1 Alt Color2. Ph2	37	Quad 75FPM Color1. Ph1
13	Double 75FPM Color1. Ph1	38	Quad 75FPM Color1. Ph2
14	Double 75FPM Color1. Ph2	39	Quad 75FPM Color2. Ph1
15	Double 75FPM Color2. Ph1	40	Quad 75FPM Color2. Ph2
16	Double 75FPM Color2. Ph2	41	Quad 75FPM Color1 Alt Color2. Ph1
17	Double 75FPM Color1 Alt Color2. Ph1	42	Quad 75FPM Color1 Alt Color2. Ph2
18	Double 75FPM Color1 Alt Color2. Ph2	43	Quad 150FPM Color1. Ph1
19	Double 120FPM Color1. Ph1	44	Quad 150FPM Color1. Ph2
20	Double 120FPM Color1. Ph2	45	Quad 150FPM Color2. Ph1
21	Double 120FPM Color2. Ph1	46	Quad 150FPM Color2. Ph2
22	Double 120FPM Color2. Ph2	47	Quad 150FPM Color1 Alt Color2. Ph1
23	Double 120FPM Color1 Alt Color2. Ph1	48	Quad 150FPM Color1 Alt Color2. Ph2
24	Double 120FPM Color1 Alt Color2. Ph2	49	Steady Burn Color1
25	Triple 75FPM Color1. Ph1	50	Steady Burn Color2

Flash Pattern Quad Color

Phase Operation

- Phase 1 (Ph1) flashes simultaneously with Ph1
- Phase 2 (Ph2) flashes simultaneously with Ph2
- Ph1 alternates with Ph2

Mode Switch Operation :

Apply Green wire to Positive:	
Mode 1	Color1
Mode 2	Color2
Mode 3	Color3
Mode 4	Color4
Mode 5	Color 1&2
Mode 6	Color 1&3
Mode 7	Color 1&4
Mode 8	Color 2&3
Mode 9	Color 2&4
Mode 10	Color 3&4
Mode 11	Color 1&2&3
Mode 12	Color 1&2&4
Mode 13	Color 1&3&4
Mode 14	Color 2&3&4
Mode 15	Color 1&2&3&4

Setting Synchronization:

- Set all lights to the same Flash Pattern, then connect the Yellow wire of all light together for synchronization.
- Maximum of 8 Warning Lights can be synchronized.

Size 4 Wire Function :

Wire	Function						
	Group Select						
	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7
Red	Positive			Positive	Positive		Positive
White		Positive		Positive		Positive	Positive
Orange			Positive		Positive	Positive	Positive
Black	Negative						
Blue	Apply To Negative For Pattern Switch / Apply To Positive For Dim						
Yellow	Synchronized Function						
Green	Apply To Positive For Mode Switch						

QUAD COLOR

Type	Quad Color														Pattern	Sync	
Mode	Color 1	Color 2	Color 3	Color 4	Color 1 & 2	Color 1 & 3	Color 1 & 4	Color 2 & 3	Color 2 & 4	Color 3 & 4	Color 1& 2 & 3	Color 1& 2 & 4	Color 1& 3 & 4	Color 1& 2 & 3 & 4			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Single 75FPM Ph1	Yes
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Single 75FPM Ph2	Yes
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	Single 120FPM Ph1	Yes
2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	Single 120FPM Ph2	Yes
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	Single 375FPM Ph1	Yes
3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	Single 375FPM Ph2	Yes
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	Double 75FPM Ph1	Yes
4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	Double 75FPM Ph2	Yes
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	Double 120FPM Ph1	Yes
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	Double 120FPM Ph2	Yes
	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	Triple 75FPM Ph1	Yes
6	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	Triple 75FPM Ph2	Yes
	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	Triple 120FPM Ph1	Yes
7	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	Triple 120FPM Ph2	Yes
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	Quad 75FPM Ph1	Yes
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	Quad 75FPM Ph2	Yes
8	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	Quad 150FPM Ph1	Yes
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	Quad 150FPM Ph2	Yes
9	19	19	19	19												NFPA-Quad Flash 90FPM	No
10	20	20	20	20	19	19	19	9	19	19	19	19	19	19	19	ModuFlash	No
11	21	21	21	21												2 Double Flash, 2 Quad Flash	No
12	22	22	22	22												4 Single Flash, 2 Triple Flash	No
13	23	23	23	23	20	20	20	20	20	20	20	20	20	20	20	Autorun	No
14	24	24	24	24												Steady burn	No

Flash Pattern R65

Phase Operation

P1-Single 120 Ph1 is Factory Default.

- Phase Operation: Ph1= Phase 1 / Ph2=Phase 2
- Phase 1 (Ph1) flashes simultaneously with Ph2
- Phase 2 (Ph2) flashes simultaneously with Ph1
- Ph1 alternates with Ph2 ; alternates: Alt.

Setting Synchronization :

- Set all lights to the same Flash Pattern, then connect the Yellow wire of all light together for synchronization.
- Maximum of 8 Warning Lights can be synchronized.

R65

	Description
1	Single 120 Ph1 R65
2	Single 120 Ph2 R65
3	Single 120 Alt.
4	Double 120 Ph1 R65
5	Double 120 Ph2 R65
6	Double 120 Alt.
7	Triple 120 Ph1 R65
8	Triple 120 Ph2 R65
9	Triple 120 Alt.
10	Triple 132 Ph1 R65
11	Triple 132 Ph2 R65
12	Triple 132 Alt.
13	Steady Brun