

LHE

Signal Tower

CE cUL[®] US

LED



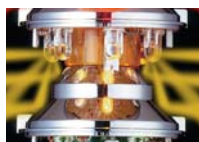
90dB/m

Electronic Sound 2

Ø70

IP65
(FB type IP54)

NPN/PNP
Open collector



Reflection system



Adjustable volume
Max. 90dB/m

Signal Tower with waterproof design for wet environments.

- Original LED reflection system: Improves brightness and provides maintenance free operation.
- FB type: 2 build-in alarms with adjustable volume up to 90dB (at 1m).
- Installation: Direct mount, Pole mount is available with optional mount.
- Interchangeable Modules: No re-wiring even after installation.
- Lens: Superior impact- and heat-resistant as resin for superior durability and light transmission.
- Available Colors: Red, Amber, Green, Blue, Clear/White.

Available Special Order

- UL type (E215660).

Interchangeable LED modules

- Changeable color sequence: Easy to add / remove up to 5 colored modules even after installation.
- Note: LED modules of the same color within a signal tower will light up simultaneously.

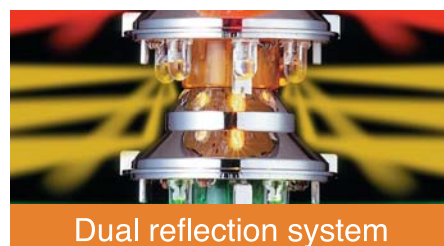
The wiring remains the same

No re-wiring: Each color module corresponds to the wire's color.



Easy to add and remove

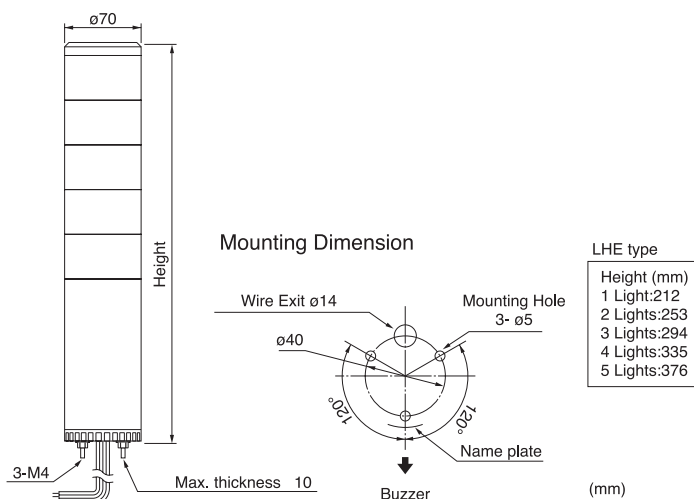
- Note: Add-on kit is required to add another LED module.



Dual reflection system

PATLITE's original dual reflection system with its exclusive hybrid prism-cut lens and 5color LED modules create bright distinctive illumination evenly.

Dimensions



Optional parts



"Super Bright" L.E.D. provides highest level of visibility.



Wiring Diagram

Note: See page 116 for wiring diagram

LHE type

Number of stacks	Model	Rated Voltage	Power Consumption
1Light	-102A/AFB	AC/DC 24V	2.2W
	-110A/AFB	AC 100V	4.7W
	-120A/AFB	AC 220V	4.7W
2Lights	-202A/AFB	AC/DC 24V	3.4W
	-210A/AFB	AC 100V	6.4W
	-220A/AFB	AC 220V	6.4W
3Lights	-302A/AFB	AC/DC 24V	4.4W
	-310A/AFB	AC 100V	7.9W
	-320A/AFB	AC 220V	7.9W
4Lights	-402A/AFB	AC/DC 24V	5.4W
	-410A/AFB	AC 100V	9.4W
	-420A/AFB	AC 220V	9.4W
5Lights	-502A/AFB	AC/DC 24V	6.4W
	-510A/AFB	AC 100V	10.9W
	-520A/AFB	AC 220V	10.9W

FB type approx. 60 flashes per minute.

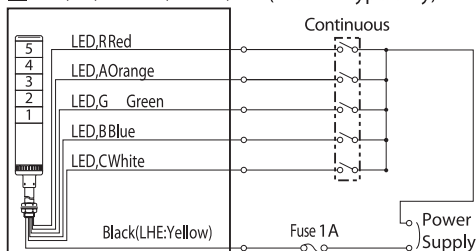
How to order

LHE-502AFB-RYGBC	
Stack 1~5	Color R:Red Y:Amber G:Green B:Blue C:Clear/White Top to bottom
Rated Voltage 02:AC/DC24V 10:100V AC 20:220V AC	Type Nothing:Continuous light FB:Continuous or flashing light with audible alarm

LES/LE/LHE Wiring Diagram

(LE-□□□(FB)(W)(P) Model)

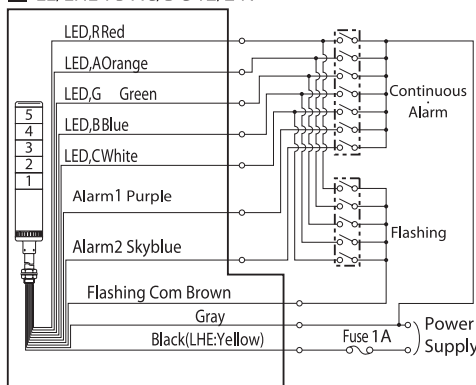
■ LES/LE/LHE AC/DC 12/24V(LES:24V type only)



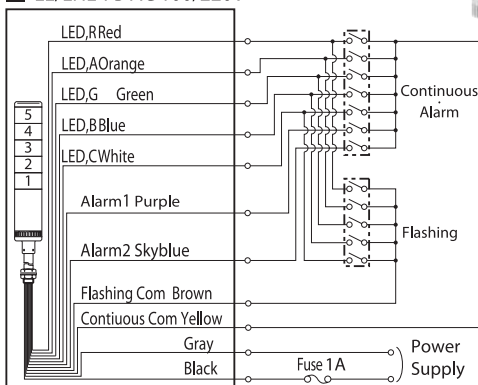
■ LE/LHE AC 100/220V



■ LE/LHE-FB AC/DC 12/24V



■ LE/LHE-FB AC 100/220V



LE

LES

LHE

■ Lead wire color correspondence table

Color of LED unit	Color of Lead wire
Red	Red
Amber	Orange
Green	Green
Blue	Blue
Clear	White

※LE type: All 5 light wires are supplied even if all colors are not used.

Alarm	Color of Lead wire
Alarm1	Purple
Alarm2	Skyblue

※Alarm wires do not exist for continuous only model.

■ Fuse for outer contact protection

Voltage	Fuse
All voltage types	1A

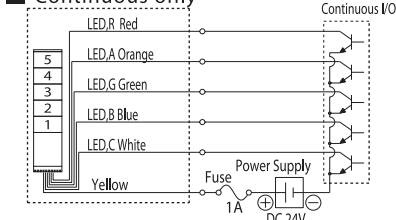
■ Voltage and Amperage of lead wire per layer

Model	Voltage Type	Signal Line Voltage	LED Signal Line Current	Alarm Signal Line Current
LE	AC/DC 12V	AC/DC 12V	R,A:50mA G,C:40mA B:44mA	Signal Line Current 40mA
LHE-A	AC/DC 24V	AC/DC 24V	R,A:50mA G,C,B:40mA	
LES/LE	AC/DC 24V	AC/DC 24V	R,A:25mA G,C:20mA B:22mA	
LHE-A	AC100V,220V	DC 24V	R,A:50mA G,C,B:40mA	Rush Current 150mA
LE	AC100V,220V	DC 24V	R,A:25mA G,C:20mA B:22mA	

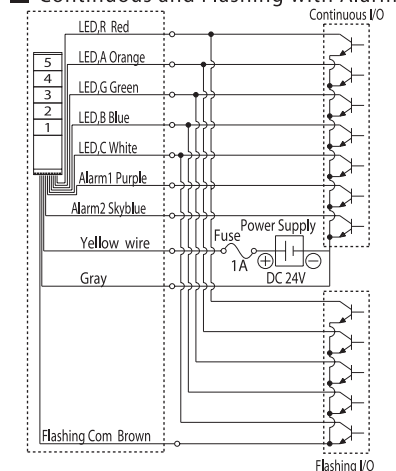
NPN(PNP)Transistor

DC24V NPN Transistor

■ Continuous only

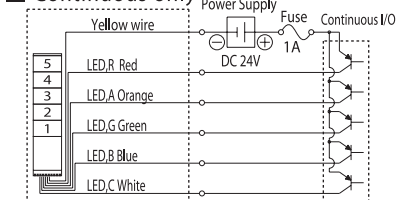


■ Continuous and Flashing with Alarm

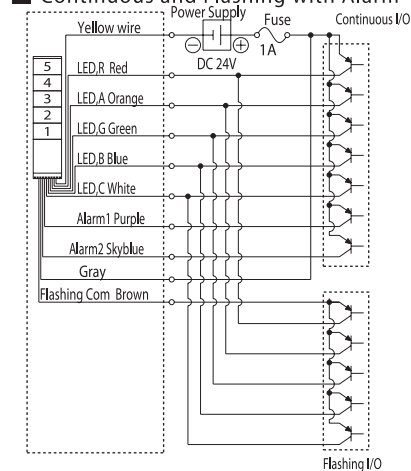


DC24V Transistor

■ Continuous only

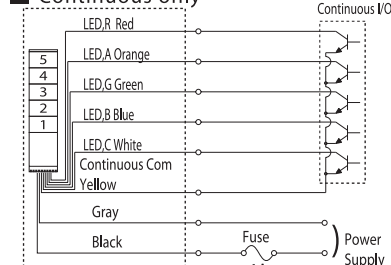


■ Continuous and Flashing with Alarm

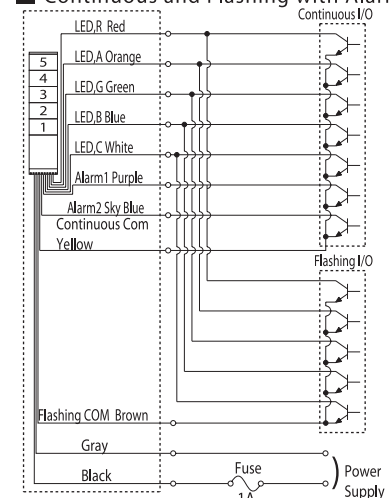


AC100/220V NPN Transistor

■ Continuous only



■ Continuous and Flashing with Alarm



	Transistor	Current Capacity	Withstand Voltage	Current Leak
LES	NPN or PNP	Ic^100mA (LED UNIT)	Vc^35V	IL%1mA
LE		Ic^300mA (Alarm)	Vc^50V	
LHE		Ic^50mA (LED UNIT)		