

# LE / LES

## Signal Tower



LED



85dB/m  
(LE-FB type)

Ø50

IP54  
(Pole-mount type IP23)

NPN/PNP  
Open collector

LES

LE



Reflection system



High visibility from any direction

### Versatile, cost- and energy-efficient LED Signal Tower for every need.

- PATLITE'S Exclusive Hybrid Prism-Cut Lens: For enhanced visibility from any direction and distance.
- Original Dual Reflection System: For enhanced light diffusion, creating bright distinctive illumination while saving energy. (PAT.P)
- Built-in Alarms (FB Type): 2 selectable sound patterns with adjustable volume up to 85dB (at 1m).
- Installation: Direct or pole mount
- Color-coordinated Wiring: Corresponds to the lens colors for quick wiring verification.
- Interchangeable LED Modules: No re-wiring even after installation. However, the bottom module on the LES tower cannot be interchanged.
- Main Body: ABS resin with superior resistance to impact and heat.
- Lens: Superior impact-resistant and light-translucent AS resin.
- NPN/PNP Compatible: Except LE AC100/220V, compatible with NPN only.
- Available Colors: Red, Amber, Green, Blue, Clear.

#### Available for Special Order

- 12V type
- LES 24V: IP65 for direct mount and IP54 for pole mount types.
- 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 will light up simultaneously.

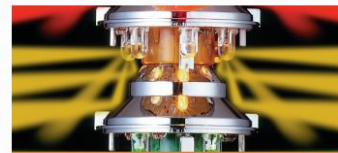
#### The wiring remains the same

The corresponding wire color lights the module no matter where it is in the stack.



#### Easy to add and remove

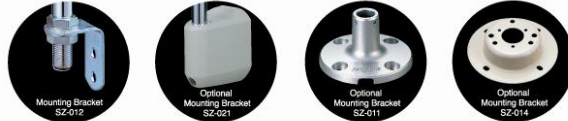
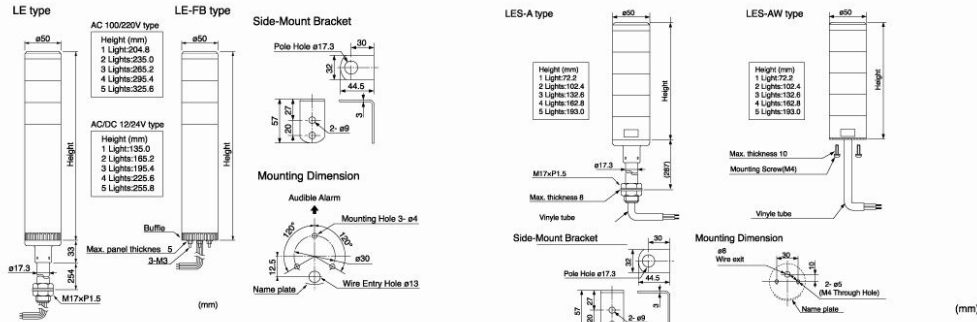
- If the number of modules is changed, a separate shaft must be ordered.



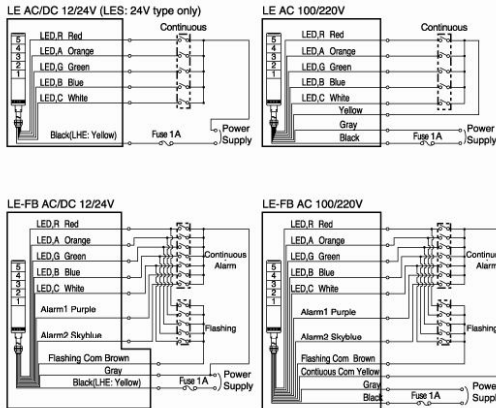
Dual reflection system

PATLITE'S original double reflection system with its exclusive hybrid prism-cut lens and 5 color LED modules create distinctive illumination that is bright and even.

# Dimensions



# Wiring Diagram



**LE/LES LED Module Current Drain**

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

**Color Designator Chart \***

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 models.

**Fuse for customer-supplied contact protection**

Voltage	Fuse
All voltage types	1A

# LE type

Number of stacks	Model	Rated Voltage	Power Consumption
1light	-101	AC/DC 12V	1.1W
	-102	AC/DC 24V	1.6W
	-110	AC 100V	5.7W
2lights	-201	AC/DC 12V	1.7W
	-202	AC/DC 24V	2.2W
	-210	AC 100V	6.7W
3lights	-301	AC/DC 12V	2.2W
	-302	AC/DC 24V	2.7W
	-310	AC 100V	7.5W
4lights	-401	AC/DC 12V	2.7W
	-402	AC/DC 24V	3.2W
	-410	AC 100V	8.3W
5lights	-501	AC/DC 12V	3.2W
	-502	AC/DC 24V	3.7W
	-510	AC 100V	9.1W

FB type approx. 60 flashes per minute.

# LES type

Number of stacks	Model	Rated Voltage	Power Consumption
1light	-102	AC/DC 24V	0.6W
3lights	-302	AC/DC 24V	1.2W
4lights	-402	AC/DC 24V	1.7W
5lights	-502	AC/DC 24V	2.2W

# How to order

