LU5

Signal Tower

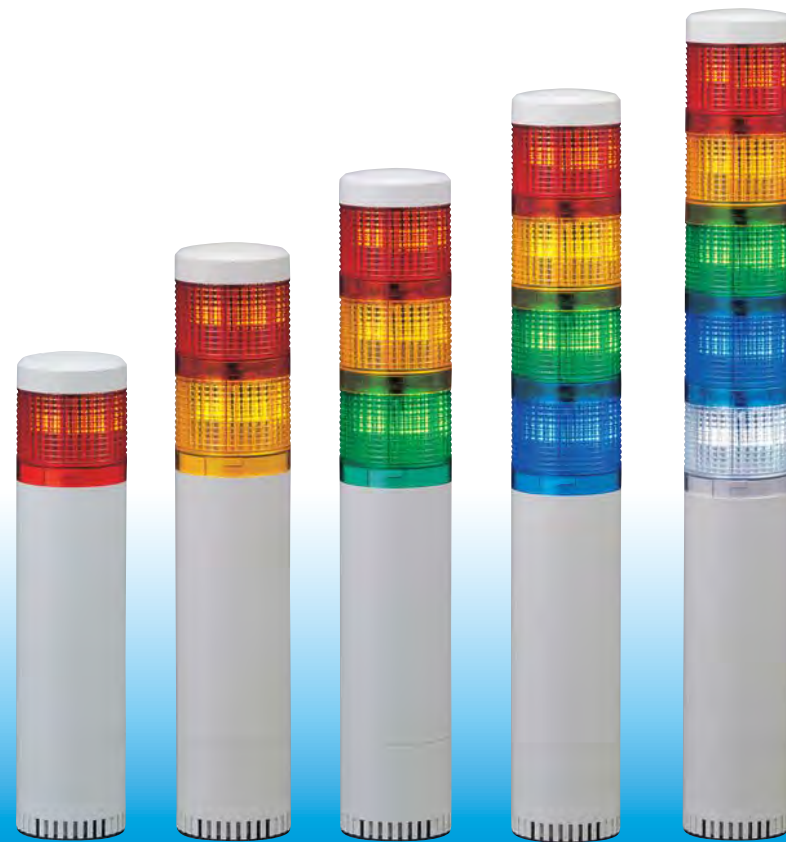**LEAD Free** | CE | c UL US

LED

85 dB at 1m
(FB type)

Electronic Sound 2
(FB type)

⌀50

IP65

NPN/PNP Open collector

Versatile modular Signal Tower featuring easy assembly and wiring designed for every need.

· PATLITE's Exclusive Hybrid Prism Cut Lens: For enhanced visibility from any direction and distance.
· Built-in Alarms (FB Type): 2 selectable sound patterns up to 85dB at 1m.
· Installation: Direct or pole* mount.
· Color-coordinated Wiring: Terminal block color corresponds to the lens colors for quick wiring verification.
· Interchangeable LED Modules: No re-wiring even after installation.
· Lens: Superior impact and heat resistant polycarbonate resin for superior durability and light transmission.
· Available Colors: Red, Amber, Green, Blue, Clear/White.

Available By Special Order
· RoHS Compliance.
· Silver Color Body.
· Modules of the same color can be modified to operate from different terminals.

* Optional part sold separately.

How to order

LED module
LU5-E-R

LED unit

Color
R: Red
Y: Amber
G: Green
B: Blue
C: Clear/White

Base module
LU5-02FB

Rated Voltage
02: 24V DC

Type
Blank: Continuous light
FB: Continuous or, flashing light with audible alarm

LED module

Module Color	Model	Rated voltage	Operating voltage	Current/Power	Operating temperature range	Mass
RED	LU5-E-R	24V DC	Rated voltage ±10% (21.6~26.4V)	52mA/1.25W	-30℃~+60℃	44g ±10%
AMBER	LU5-E-Y					
GREEN	LU5-E-G			42mA/1.0W		
BLUE	LU5-E-B					
CLEAR	LU5-E-C					

Base module

Model	Options	Rated Voltage	Operating voltage	Operating temperature range	Mass	Open Collector
LU5-02	Continuous only	24V DC	Rated voltage ±10% (21.6~26.4V)	-30℃~+60℃	182g ±10%	PNP/NPN
LU5-02FB	2 sounds / Flash				200g ±10%	

FB type: approx. 60±12 flashes per minute

Dimensions

⌀50
15
LED Module
41
113
Height
42.6
Base Module
Terminal block
3-M3
Max. panel thickness 10

LU5 type
Height (mm)
1 Light: 211
2 Lights: 252
3 Lights: 293
4 Lights: 334
5 Lights: 375

Mounting Dimension

Front (Buzzer)
Mounting hole
3-⌀4
120°
Wire entry
⌀13
⌀30
12.5
Name plate
Mounting hole template
(mm)
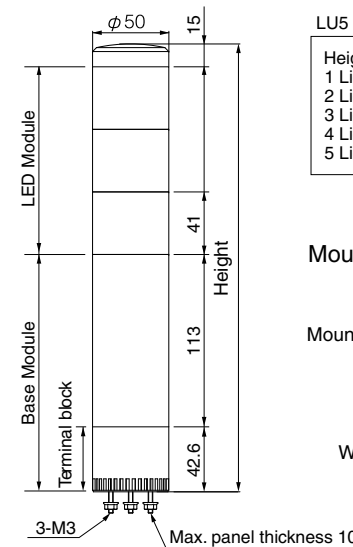
Wiring Diagram

LU5-02FB
24V DC

No.1	Red	LED unit Red
No.2	Orange	LED unit Amber
No.3	Green	LED unit Green
No.4	Blue	LED unit Blue
No.5	White	LED unit Clear/White
No.6	Gray	Alarm 1
No.7	Black	Alarm 2
No.8	Yellow	COM
No.9	Gray	Flashing COM
No.10	Black	Power supply for flashing

For continuous light and buzzer
For flashing
Fuse 1A
Power supply

<Recommended electric wire>
Solid wire :
⌀0.8-⌀1.2mm
Stranded wire :
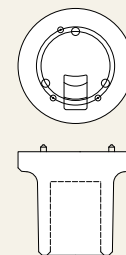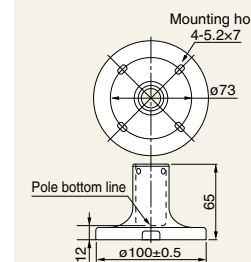0.3-1.25mm^2 (AWG 22-18)
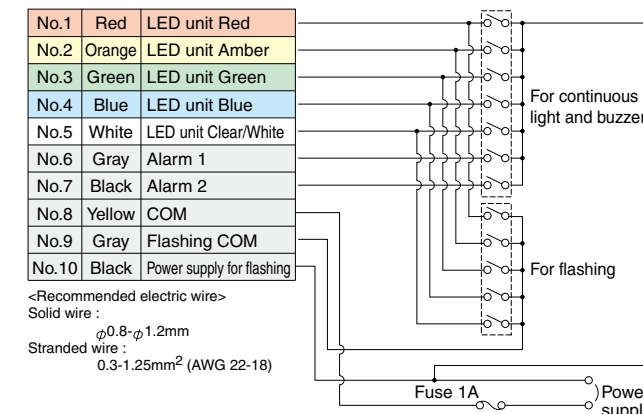
Optional parts

Upper Bracket

SZ-60-U

Required for pole mounting
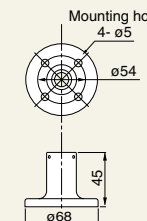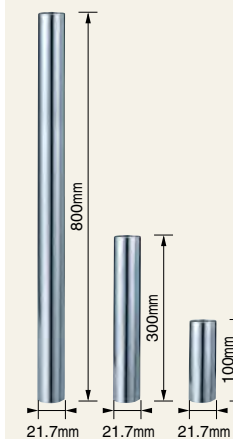
Mounting Bracket

SZ-010
(For ⌀21.7mm pole)

Mounting hole
4-5.2×7
ø73
Pole bottom line
12
ø100±0.5
65

SZ-016A
(For ⌀21.7mm pole)

Mounting hole
4- ø5
ø54
ø68
45
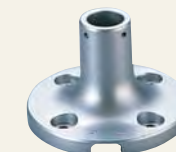
Steel Pole

800mm
300mm
100mm
21.7mm 21.7mm 21.7mm

800mm : **POLE-800S21**
300mm : **POLE-300S21**
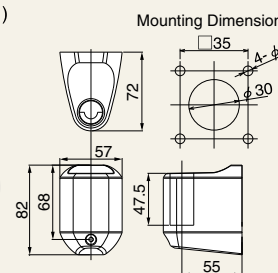100mm : **POLE-100S21**

Aluminum Pole

800mm
300mm
100mm
21.7mm 21.7mm 21.7mm
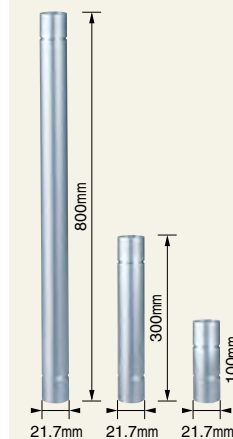
800mm : **POLE-800A21**
300mm : **POLE-300A21**
100mm : **POLE-100A21**

Wall Mount Bracket

SZ-020
（For ⌀21.7mm pole）

Mounting Dimensions
35
4- ø5
ø30
72
57
82
68
47.5
55

	Modules
Model	Material
POLE-□□□S21	Steel
POLE-□□□A21	Aluminum
SZ-010	ADC12
SZ-016A	ADC12
SZ-70-B	ABS resin
SZ-020	ABS resin

※ ADC12…Aluminum alloy die-cast