

LCE / LCE-U

Signal Tower



LED



Cabtyre
(LCE-U type only)



85dB at 1m
(FB type)

Electronic Sound 2
(FB type)

ø40

IP65
(LCE-FB type IP54)

NPN/PNP
Open collector

Ivory White Body
LCE Type

Silver Color Body
LCE-U Type



Low-priced, high quality LED Signal Tower featuring low maintenance and energy savings.

- 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 (Patent Pending).
- 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.
- Main Body: ABS resin with superior resistance to impact and heat (U type has silver color and 3m cabtyre cable).
- Lens: Superior impact resistant and light translucent AS resin.
- NPN/PNP Compatible: For 24V DC type; M2 type compatible with NPN only.
- Available Colors: Red, Amber, Green, Blue, Clear/White.
- High visibility from any angle.
- Adjustable volume Max. 85dB at 1m
- Conforms to the CE requirements (for 24V type).
- UL Recognized Component (File No. E215660).



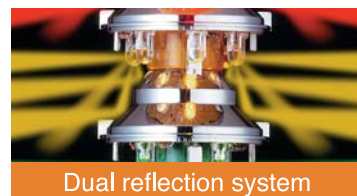
Reflection system



High visibility from any angle



Adjustable volume Max. 85dB/m



Dual reflection system

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

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.

Easy to add and remove

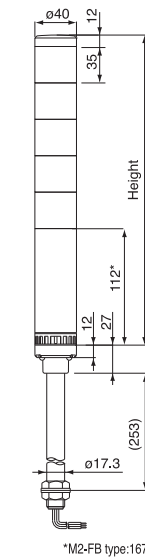
If the number of LED module is changed, center shaft must be purchased.

The wiring remains the same

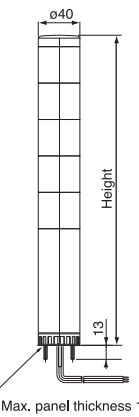
Each color of LED module corresponds to the lead wire color.

Dimensions

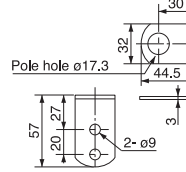
LCE type
LCE-U type



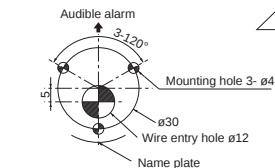
LCE-W type
LCE-UW type



Side-Mount Bracket



Mounting Dimension



*M2-FB type:167

LCE type
LCE-U type

Height (mm)
1 Light: 158
2 Lights: 193
3 Lights: 228
4 Lights: 263
5 Lights: 298

LCE-M2FB type

Height (mm)
1 Light: 213
2 Lights: 248
3 Lights: 283
4 Lights: 318
5 Lights: 353

(mm)



Standard
Mounting Bracket
SZ-012



Mounting Bracket
SZ-021

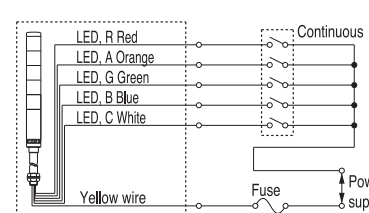


Optional
Mounting Bracket
SZ-011

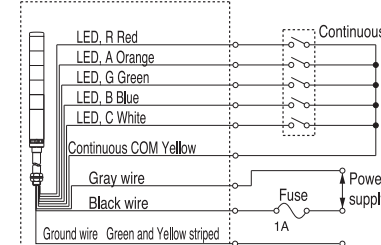
Wiring Diagram

Continuous Only

AC/DC 24V

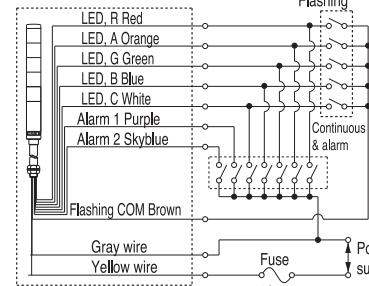


AC 90~250V

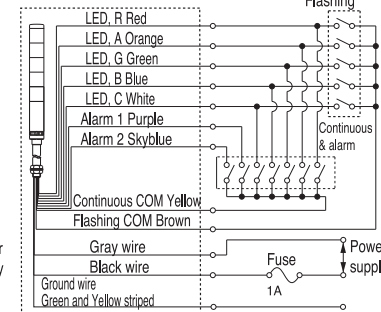


Continuous and Flashing with Alarm

AC/DC 24V



AC 90~250V



Signal line voltage and current per LED module

Model	Voltage Type	Signal Line Voltage	LED		Alarm	
			Signal Line R,Y	Current G,B,C	Signal Line Current	Inrush Current
LCE/LCE-U	24V AC/DC	24V AC/DC	30mA	25mA	40mA	250mA
LCE-M2	90~250V AC	24V DC	30mA	25mA	40mA	250mA

Lead wire color correspondence table

Color of LED Unit	Color of Lead Wire
Red	Red
Amber	Orange
Green	Green
Blue	Blue
Clear/White	White

Alarm	Color of Lead Wire
Alarm1	Purple
Alarm2	Skyblue

Fuse for outer contact protection

Voltage	Fuse
All voltage types	1A

Note: See page 170 for wiring diagram

LCE / LCE-U Type

Light Style	Model	Rated Voltage	Power Consumption
1 Light	LCE-102(U)	24V AC/DC	1.7W
	LCE-1M2	90~250V AC	1.9W
2 Lights	LCE-202(U)	24V AC/DC	2.4W
	LCE-2M2	90~250V AC	2.6W
3 Lights	LCE-302(U)	24V AC/DC	3.0W
	LCE-3M2	90~250V AC	3.2W
4 Lights	LCE-402(U)	24V AC/DC	3.6W
	LCE-4M2	90~250V AC	3.8W
5 Lights	LCE-502(U)	24V AC/DC	4.2W
	LCE-5M2	90~250V AC	4.4W

FB type:approx. 60 flashes per minute.

How to Order (LCE Type)

LCE-502UFBW-RYGBC-Z

Stacks 1~5	Rated Voltage 02: 24V AC/DC M2: 90~250V AC	Body Color Blank: Ivory white U: Silver Color	Type Blank: Continuous light FB: Continuous or flashing light with audible alarm
Color of LED R: Red Y: Amber G: Green B: Blue C: Clear/White Up to bottom	Color of Lens Blank: Colored lens Z: Clear lens	Mount Blank: Pole Mount (with SZ-012) K: Pole Mount (with SZ-021) W: Direct Mount	