LCE / LCE-U

Signal Tower

ALARM

RoHS

CE UL®

LED

2 Alarm Sounds (FB Type)

85 db at 1m (FB Type)

IP65 (LCE-FB Type: IP54)

Φ40

Cable

NPN/PNP Open-collector

Silver Color Body
Model LCE-U

Ivory-white Body
Model LCE
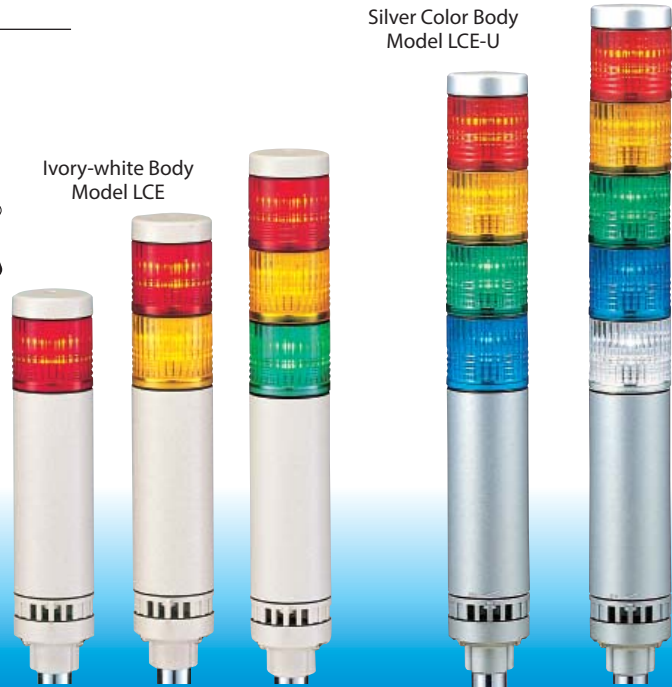
High visibility from any angle

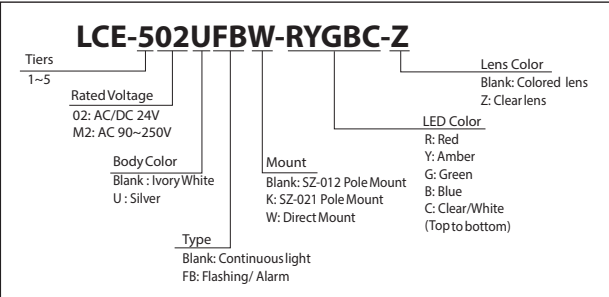Adjustable Volume (Max. 85dB at 1m)

Dual Reflection System

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

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

FEATURES
- PATLITE's exclusive hybrid prism-cut lens designed for enhanced visibility from any direction and distance.
- Original Dual Reflection System for enhanced light diffusion; creating bright, distinctive illumination while saving energy.
- Two Built-in Alarms (FB Type) with selectable sound patterns.
- Adjustable volume with a maximum of 85dB (at 1m).
- Direct or pole mount installation.
- Color-coordinated Wiring Corresponding to the lens color for quick wiring and verification.
- Interchangeable LED Modules requires no re-wiring, even after installation.
- Main body made of ABS resin with superior resistance to impact and heat. (U type has silver body and 3m cable)
- Lens is made of superior impact resistant and light translucent AS resin.
- NPN/PNP Compatible inputs for 24V DC type (M2 type compatible with NPN only).
- Available Colors are in Red, Amber, Green, Blue, and Clear/White.
- High visibility from any angle.
- Conforms to the CE requirements (for 24V type).
- UL Recognized Components (File No. E215660).
- NEMA Type 4/4X/13 for -W, -FBW Only

How to Order

LCE-502UFBW-RYGBC-Z

Tiers
1~5

Rated Voltage
02: AC/DC 24V
M2: AC 90~250V

Body Color
Blank : Ivory White
U : Silver

Type
Blank: Continuous light
FB: Flashing/ Alarm

Mount
Blank: SZ-012 Pole Mount
K: SZ-021 Pole Mount
W: Direct Mount

LED Color
R: Red
Y: Amber
G: Green
B: Blue
C: Clear/White
(Top to bottom)

Lens Color
Blank: Colored lens
Z: Clear lens

Easy to add and remove

- When adding or removing modules, the center shaft that matches the amount of tiers has to be purchased.
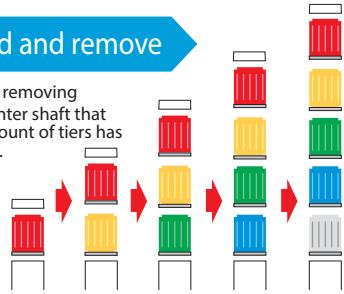
Interchangeable LED Modules

Changeable color sequence: Easy to add/ remove up to 5 colored modules even after installation.

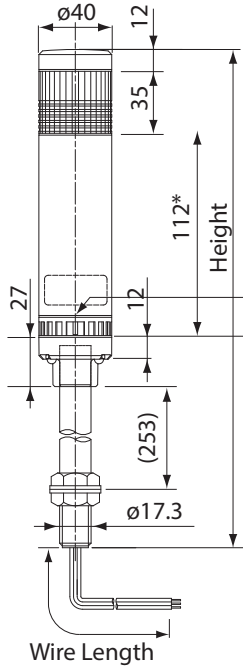Note: LED modules of the same color within a signal tower will light up simultaneously.

Wiring doesn't change

- The LED Module colors correspond to the wiring, so re-wiring is not necessary.
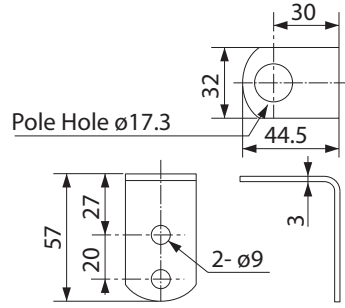
Dimensions

LCE Type
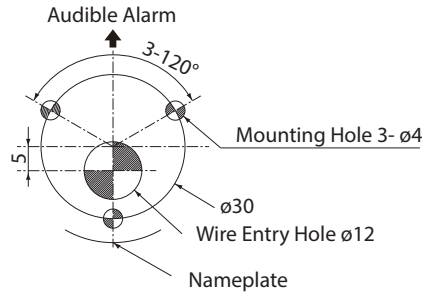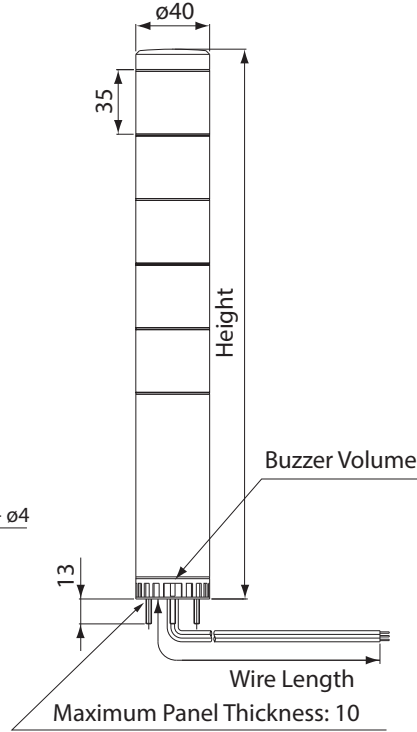## LCE-U Type

ø40
12
35
112*
Height
27
12
(253)
ø17.3
Buzzer Volume
Wire Length

*M2-FB Type:167

Side-Mount Bracket

30
32
Pole Hole ø17.3
44.5
3
57
27
20
2- ø9

Direct-mount Dimensions

Audible Alarm
3-120°
.5
Mounting Hole 3- ø4
ø30
Wire Entry Hole ø12
Nameplate

LCE-W Type
LCE-UW Type

ø40
35
Height
Buzzer Volume
13
Wire Length
Maximum Panel Thickness: 10

LCE-M2FB Type

Height
1 Tier : 213
2 Tiers: 248
3 Tiers: 283
4 Tiers: 318
5 Tiers: 353

LCE Type
LCE-U Type

Height
1 Tier : 158
2 Tiers: 193
3 Tiers: 228
4 Tiers: 263
5 Tiers: 298

(Unit: mm)

Wire Type and Length Chart

Model

LCE-02

Wire Area: 0.3mm^2 Wire Type: UL1007   Wire Length (mm): 1,100 (W Type: 1,400)
(W Type Brown Wire: 1,350)

LCE-(FB)

Wire Length: All K Type have wire length of 1,000mm

LCE-M2

Signal Wire Area: 0.3mm^2 Wire Type: UL1007   Wire Length (mm): 1,050 (W Type: 1,350)
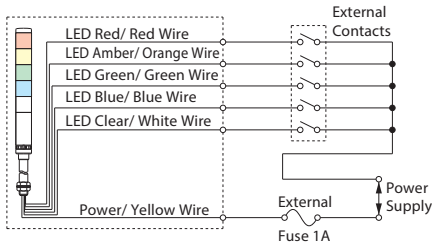Power/Ground Wire Area: 0.75mm^2 Wire Type: UL1015   Wire Length (mm): 1,050 (W Type: 1,350)

LCE M2FB

Signal Wire Area: 0.3mm^2 Wire Type: UL1007   Wire Length (mm): 950 (W Type: 1,250)
Power/Ground Wire Area: 0.75mm^2 Wire Type: UL1015   Wire Length (mm): 950 (W Type: 1,250)

Specifications

Stack Number	Model	Rated Voltage	Power Consumption	Mass			
				LCE	LCE-W	LCE-FB	LCE-FBW
1 Tier	LCE-102(U)	AC/DC 24V	1.7W	520g	160g	580g	220g
	LCE-1M2	AC 90 -250V	1.9W	600g	240g	650g	290g
2 Tiers	LCE-202(U)	AC/DC 24V	2.4W	550g	190g	610g	250g
	LCE-2M2	AC 90 -250V	2.6W	630g	270g	680g	320g
3 Tiers	LCE-302(U)	AC/DC 24V	3.0W	580g	220g	640g	280g
	LCE-3M2	AC 90 -250V	3.2W	660g	300g	710g	350g
4 Tiers	LCE-402(U)	AC/DC 24V	3.6W	610g	250g	670g	310g
	LCE-4M2	AC 90 -250V	3.8W	690g	330g	740g	380g
5 Tiers	LCE-502(U)	AC/DC 24V	4.2W	640g	280g	700g	340g
	LCE-5M2	AC 90 -250V	4.4W	720g	360g	770g	410g

Standard
Mounting Bracket
SZ-012
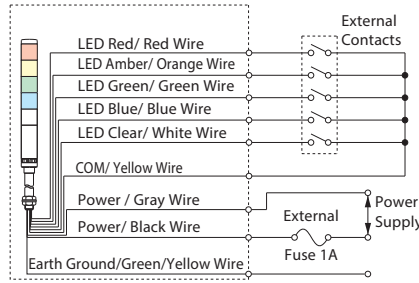
Mounting Bracket
SZ-021

Optional
Mounting Bracket
SZ-011

Wiring

- AC/DC 24V Lighting Type

- AC 90 - 250V Lighting Type

Lead-wire color coordination table

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

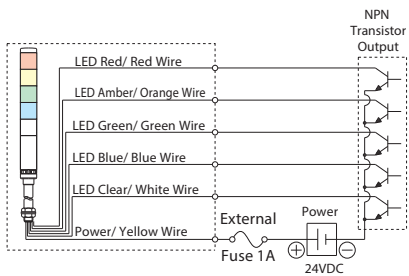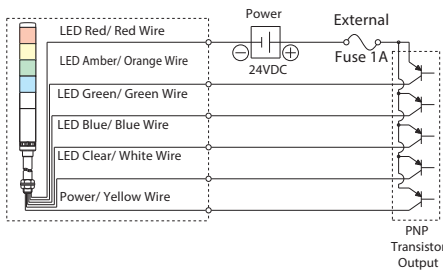| Alarm Sounds	Lead Wire Color
Buzzer 1	Purple
Buzzer 2	Skyblue

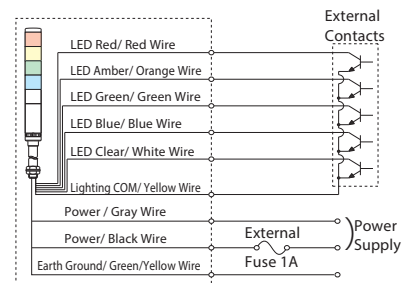- AC/DC 24V Lighting/Flashing Type
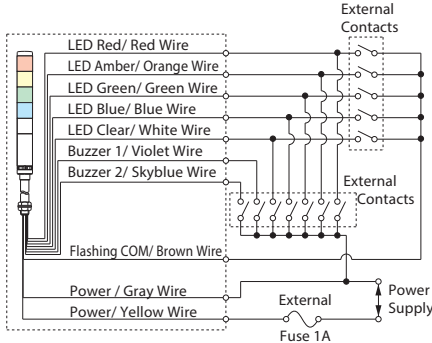
- AC 90 - 250V Lighting/Flashing Type
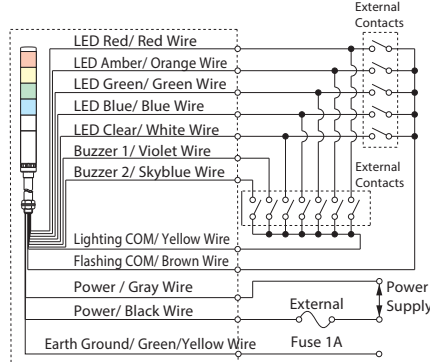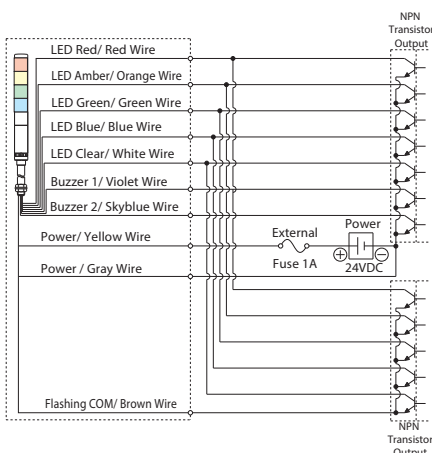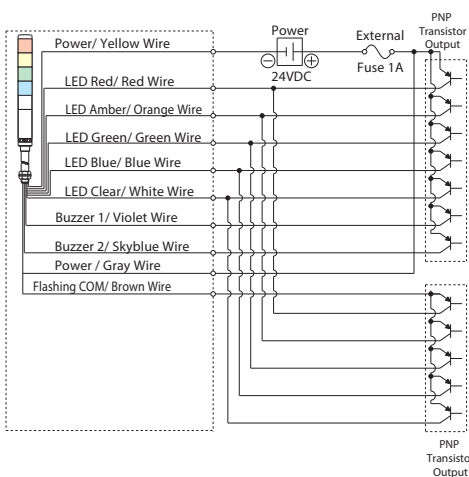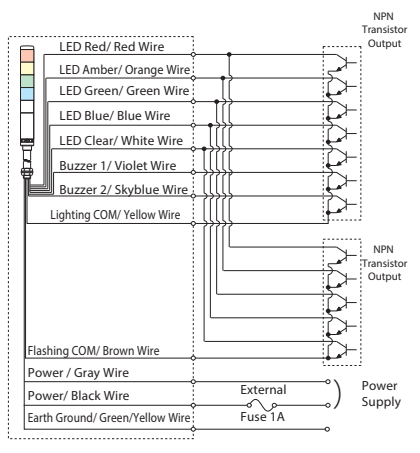

- DC 24V NPN Type

- DC 24V PNP Type

- AC 90 - 250V NPN Type

- DC 24V NPN FB Type

- DC 24V PNP FB Type

- AC 90 - 250V NPN FB Type

Signal Line voltage and current per LED Module

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

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