

LME / LME-U / LME-N

Signal Tower



LED



Cabtyre (LME-U)



90dB at 1m
(FB type)

Electronic Sound 2
(FB type)

Ø60

IP65
(FB, L, K type: IP54)

NPN/PNP
Open collector

Ivory White Body
LME Type



Silver Color Body
LME-U Type



Black Color Body
LME-N Type



Reflection
system



High visibility
from any direction



Adjustable volume
Max. 90dB at 1m

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 (Patent Pending).
- FB type: 2 selectable built-in alarms with adjustable volume up to 90dB at 1m.
- Installation: Direct or pole mount.
- Interchangeable LED module: No re-wiring even after installation.
- Main Body: Superior impact and heat resistant ABS resin.
- Lens: Superior weather resistant and light translucent AS resin.
- NPN/PNP Compatible: Except 100/220V AC LME-U type, compatible with NPN only.
- Available Colors: Red, Amber, Green, Blue, Clear/White.

LME-U type

- Available 24V AC/DC only.
- Silver Color Body.
- Cabtyre Cable: Versatile and flexible 3m cable.
- Pole-mount with circular mounting base or wall mount bracket as an optional accessory.

Available by Special Order

- UL type (E215660)

Interchangeable LED modules

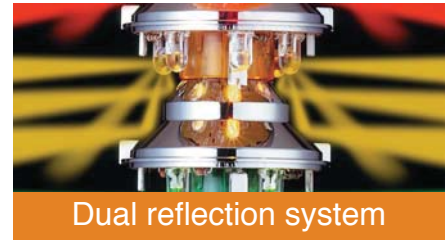
- Changeable color sequence: Easy to add / remove up to 5 colored modules even after installation.
- Note: LED modules of the same color within a signal tower will light up simultaneously.

The wiring remains the same

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

Easy to add and remove

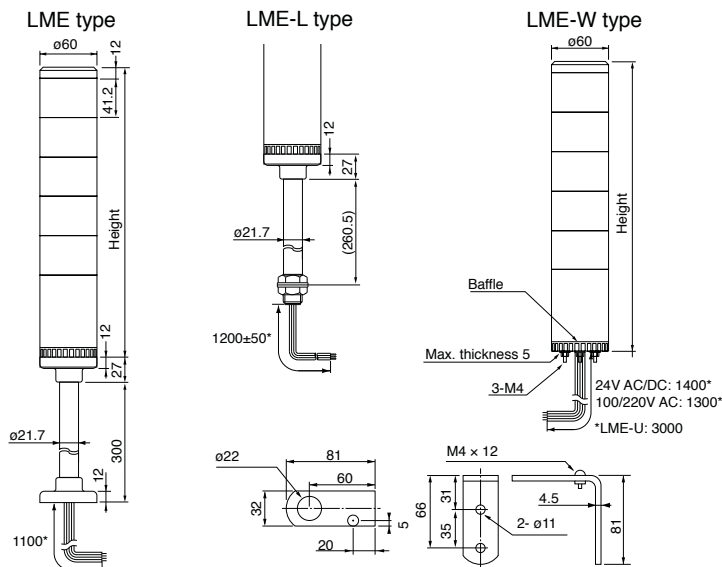
If the number of LED module is changed, center shaft must be purchased.



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.

Dimensions



100/220V AC type

Height (mm)
1 Light: 206.0
2 Lights: 247.2
3 Lights: 288.4
4 Lights: 329.6
5 Lights: 370.8

24V AC/DC type

Height (mm)
1 Light: 150.0
2 Lights: 191.2
3 Lights: 232.4
4 Lights: 273.6
5 Lights: 314.8

standard
Circular mounting
bracket

LME-UL/LME-UFBL type
Mounting Bracket
SZ-013

Optional
Mounting Bracket
SZ-028

(mm)

Wiring Diagram

Note: See page 169 for wiring diagram

LME Type

Number of Stacks	Model	Rated Voltage	Power Consumption	Mass		
				LME	LME-L	LME-W
1 Light	LME-102	24V AC/DC	2.2W	0.42kg	0.77kg	0.28kg
	LME-110	100V AC	5.1W	0.66kg	1.01kg	0.52kg
	LME-112	120V AC			—	
	LME-120	220V AC				
2 Lights	LME-202	24V AC/DC	3.4W	0.48kg	0.82kg	0.34kg
	LME-210	100V AC	7.1W	0.72kg	1.06kg	0.58kg
	LME-212	120V AC			—	
	LME-220	220V AC				
3 Lights	LME-302	24V AC/DC	3.8W	0.54kg	0.87kg	0.40kg
	LME-310	100V AC	7.9W	0.78kg	1.11kg	0.64kg
	LME-312	120V AC			—	
	LME-320	220V AC				
4 Lights	LME-402	24V AC/DC	4.2W	0.60kg	—	0.46kg
	LME-410	100V AC	8.7W	0.84kg	—	0.70kg
	LME-412	120V AC				
	LME-420	220V AC				
5 Lights	LME-502	24V AC/DC	4.6W	0.66kg	—	0.52kg
	LME-510	100V AC	9.5W	0.90kg	—	0.76kg
	LME-512	120V AC				
	LME-520	220V AC				

FB type: approx. 60 flashes per minute.

How to Order

LME-502UFBW-RYGBZ-Z

Stack

1~5

Rated Voltage

02: 24V AC/DC
10: 100V AC
12: 120V AC
20: 220V AC

Body Color

Blank: Ivory white
N: Black color
U: Silver color

Type

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

Mount

Blank: Pole Mount (with circular mounting bracket)
K: Pole Mount (with SZ-020)
L: Pole Mount (with SZ-013)
W: Direct Mount

Color of LED

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

Color of Lens

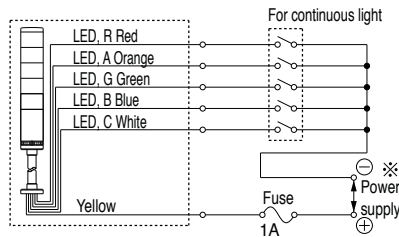
Blank: Colored lens
Z: Clear lens

LME/LMS Wiring Diagram

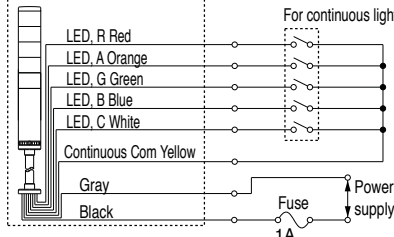
[LME/LMS-□□□(FB)(W)(L)(K) Model]

LME(-W)/LME(-W)-S-Q/LMS [Continuous type]

■ 24V AC/DC

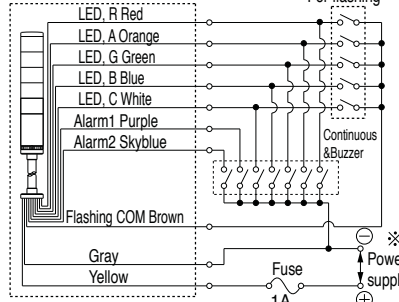


■ 100/220V AC (LME only)

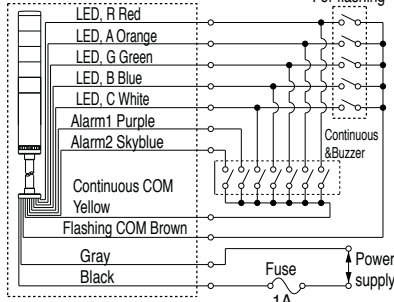


LME-FB(W)/LME(-W)-S-Q [Continuous/Flashing/Alarm type]

■ 24V AC/DC



■ 100/220V AC (LME only)



※LME-FB-S/Q Series: 24V model is DC only, with only one polarity: positive (+) on Yellow (NPN)

■ Signal line voltage and current per LED module

Model	Rated Voltage	Signal Line Voltage	LED		Buzzer	
			Signal Line R, A	Current G, B, C	Signal Line Current	Inrush Current
LME	24V AC/DC	24V AC/DC	50mA	20mA	40mA	250mA
	100V AC	24V DC				
	220V AC	24V DC				
LME-S	24V DC	24V DC	50mA	40mA	40mA	250mA
	100V AC	24V DC				
	220V AC	24V DC				



LME

LMS

■ Lead wire color correspondence table

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

■ LME-S/Q

Color of LED unit	Color of Lead wire
S1 Red-Amber-Green	Red-Orange-Green
S4 Red-Green-Blue	Red-Green-Blue
S7 Amber-Green-Blue	Orange-Green-Blue
Q1 Red-Amber-Green-Blue	Red-Orange-Green-Blue
Q2 Red-Amber-Green-Clear	Red-Orange-Green-White
Q4 Amber-Green-Blue-Clear	Orange-Green-Blue-White

Alarm	Color of Lead wire
Alarm 1	Purple
Alarm 2	Skyblue

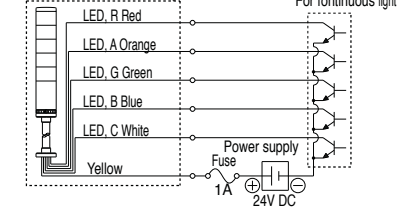
■ Fuse for outer contact protection

Voltage	Fuse
All voltage types	1A

NPN(PNP)Transistor

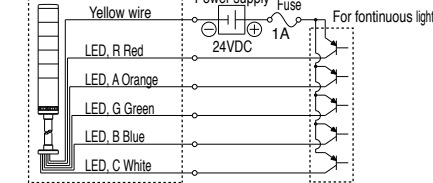
24V DC NPN Transistor

■ Continuous only

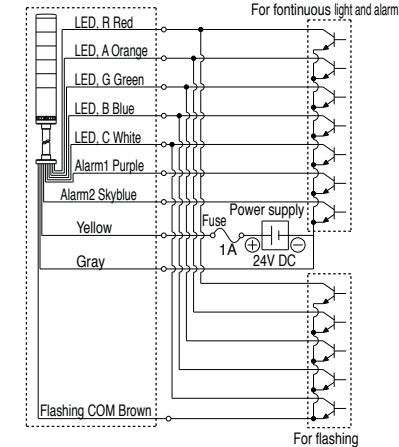


DC24V PNP Transistor(except for S/Q type)

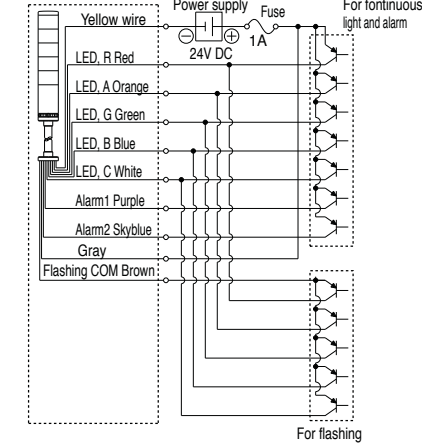
■ Continuous only



■ Continuous and Flashing with Alarm

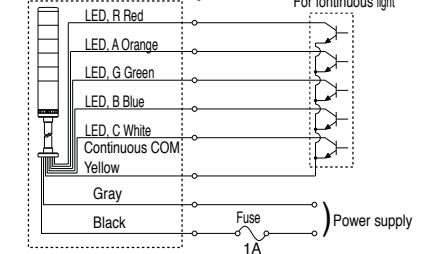


■ Continuous and Flashing with Alarm

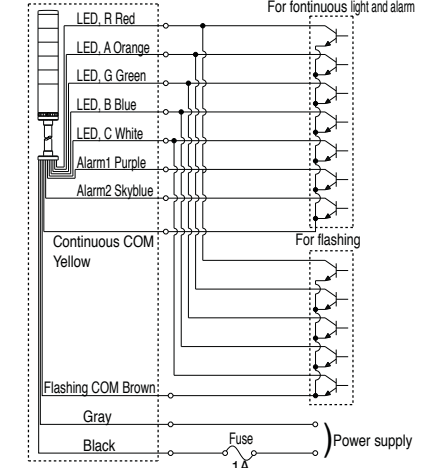


AC100/220V NPN Transistor

■ Continuous only



■ Continuous and Flashing with Alarm



Model	Transistor (NPN or PNP)	Voltage	$V_c \geq 35V$
Current	$I_c \geq 100mA$ (LED UNIT)	Current	$I_L \leq 1mA$
Capacity	$I_c \geq 300mA$ (Buzzer)	Leakage	