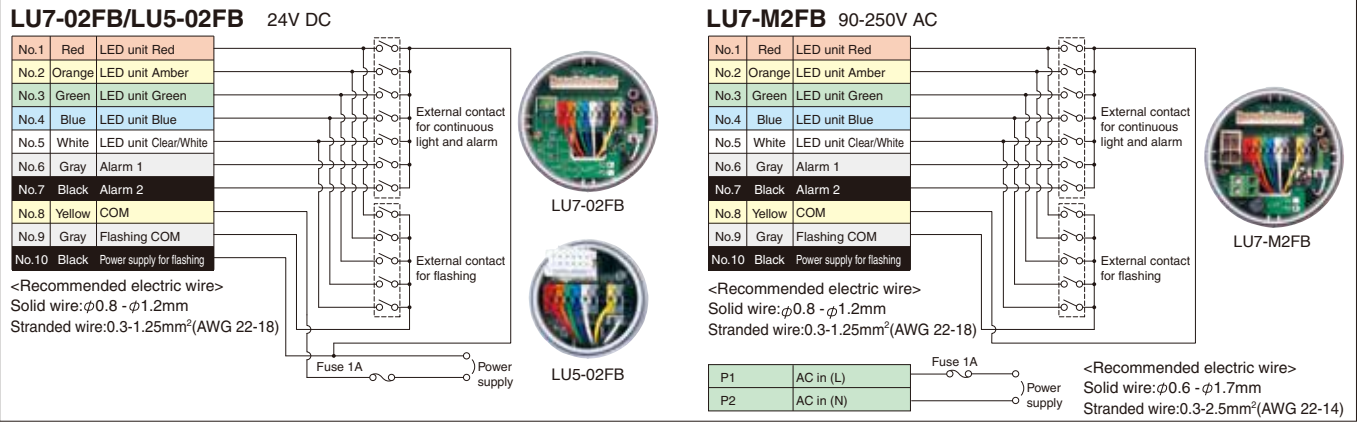


Wiring example for Base unit



【External contact capacity】

Voltage specs		24V DC	90~250V AC
LED unit	Current consumption	Red・Amber : 52mA Green・Blue・Clear/White : 42mA	
[1-Light]	Contact capacity	$I_s \geq 100\text{mA}$ , $V_s \geq 35\text{V AC}$	
Alarm	Current consumption	50mA	
	Inrush current	100mA	
	Contact capacity	$I_s \geq 100\text{mA}$ , $V_s \geq 35\text{V AC}$	
Power supply	Current consumption	360mA	40mA (250V) ~ 110mA (90V)
	Contact capacity	$I_s \geq 500\text{mA}$ $V_s \geq 35\text{V AC}$	9A (90V) ~ 25A (250V) $V_s \geq 250\text{V AC}$

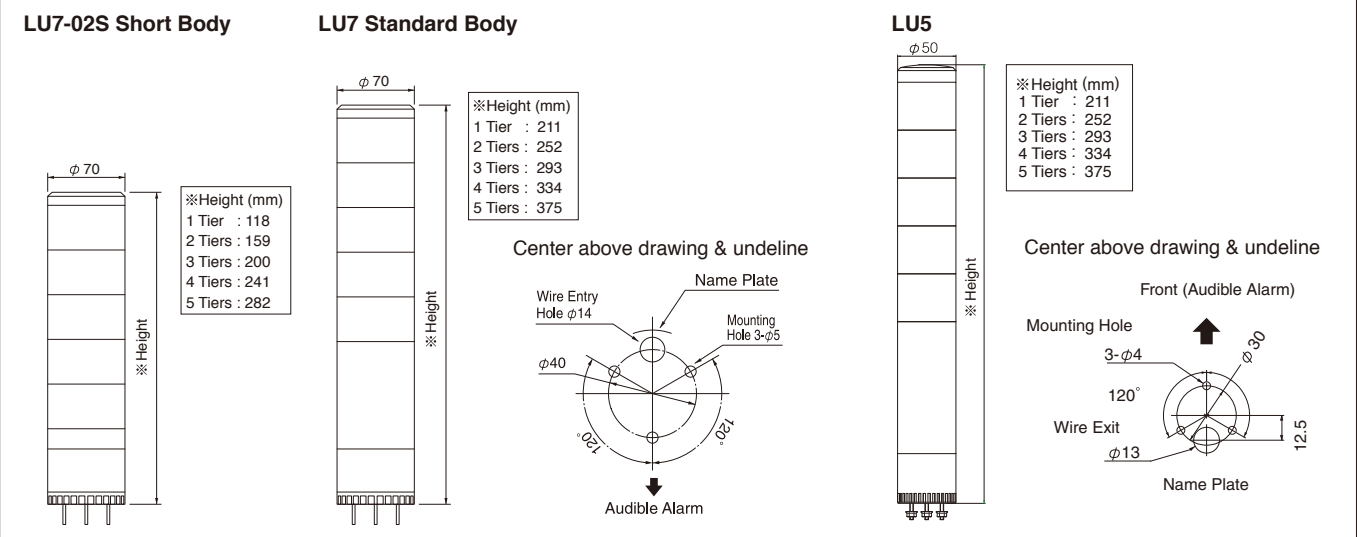
※Is : Current capacity Vs : Withstand voltage

【External contact fuse】

Voltage	Amperage rating of fuse
All model	250V 1A

※ Use a fuse conforming to the rated current of the machine on which you install product.  
(Example: UL class J type fuse)

Dimensions



PATLITE Corporation

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ISO14001:2004 Certified  
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To ensure correct use of these products, read the Instruction Manual prior to use.  
Failure to follow all safeguards can result in fire, electric shock, or other accidents.  
Specifications are subject to change without notice.

<http://www.patlite.com> E-mail: [overseas@patlite.co.jp](mailto:overseas@patlite.co.jp)



For the benefit of mankind and the earth,  
Patlite is committed to developing environ-  
mentally friendly products.



1211A 0809J(J)/J(TS)A

**PATLITE®**

New Frontiers for Safety, Security and Comfort.

Modular LED Signal Tower  
LU5/LU7 Series



LU5 series  
50mm dia.

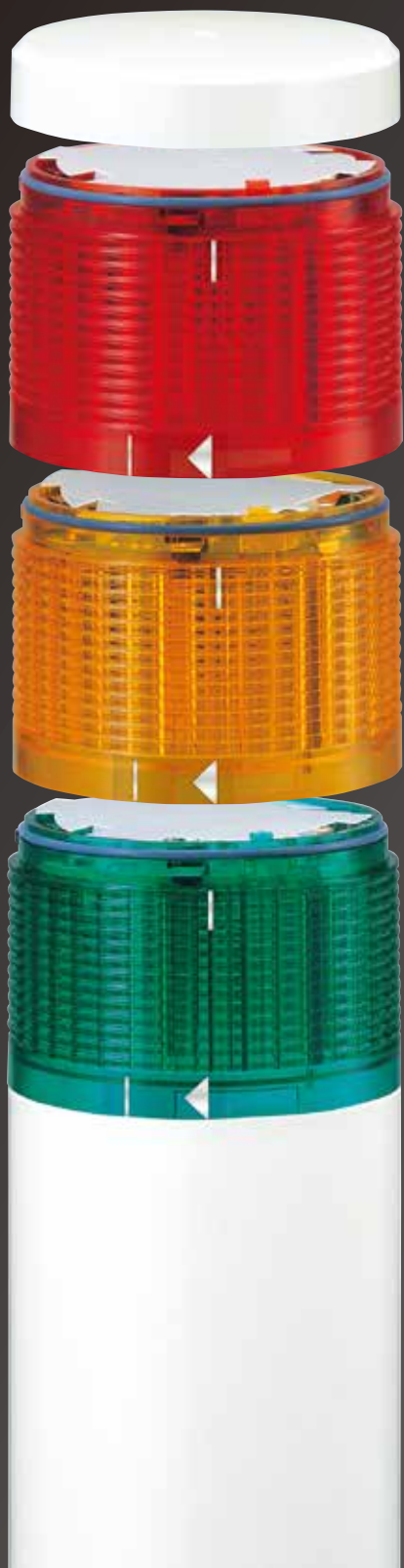
LU7 series  
70mm dia.

PATLITE Corporation

www.patlite.com



PATLITE's LU5 & LU7 Series signal towers deliver the advantages of superior LED technology, innovative design, and the convenience of modular assembly with only 9 basic modular components to meet just about every indicating need.



Ultra Bright LEDs combined with an Innovative Prism Lens Design

Allows the light emitted from the signal tower to be seen from greater distances. This also allows for use of a smaller diameter light, reducing the cost of the light tower.



Color-coordinated & Spring-loaded Terminal Block

Makes wiring easy and more reliable compared to screw-type connections. Each color corresponds to the color of the LED module to be used.



Wiring Terminals

Two user-selectable Alarms Integrated in the Base Module

Allows sound to enhance the critical nature of a visual signal, bringing more attention to certain conditions. Also, since the modules are built into the base, up to 5 LED modules can be used on the light tower.



Delivers Sounds up to 90dB at 1 m.

Alarm can be easily heard over ambient noise.

Modular Design

Makes it easy to configure and assemble a light tower. Modules can be put away before shipping the machine, reducing shipping and crate costs.



Modular Construction

O-rings

Seal out liquids so that the tower achieves an IP65 rating allowing the tower to be used in wet conditions.



IP65 Protection

IP65 & IP66 with Optional Cable Gland

The O-rings seal the tower from liquids so that an IP65 rating can be achieved to allow the tower to be used in wet environments. Adding a Cable Gland (user supplied) the tower's IP rating is increased to IP66.



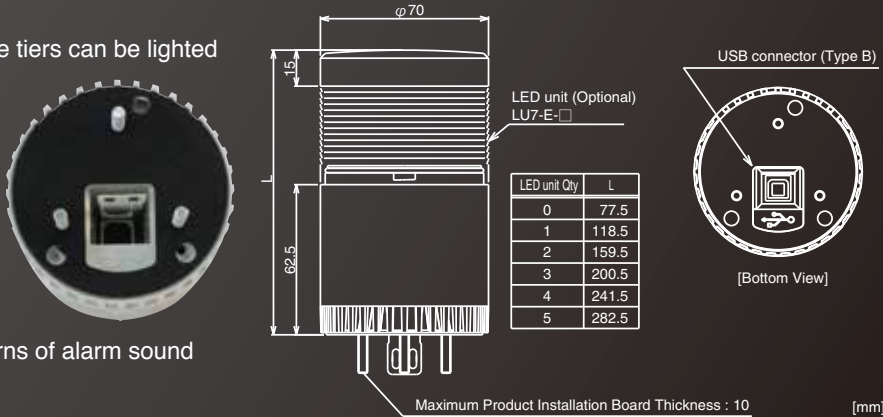
LU7 Series 70mm diameter  
Modular LED Signal Tower



■ USB Base Module

USB powered Base Unit with Integrated Alarms (LU7-02S-USB)

- Power over USB - no power supply needed
- DLL Operable
- Supports a maximum of five tiers where three tiers can be lighted simultaneously
- Complies with CE/RoHS/FCC/KC Standards
- IP65 Protection rating
- Adjustable Alarm Frequency
- 2 levels of adjustable alarm sound
- Sound pressure is a maximum of 80dB
- Control Program downloadable from PATLITE website
- Four kind of flashing patterns
- 13 variations of alarm frequency and 5 patterns of alarm sound
- Strip to secure USB cable included
- Supported OS: Windows 7, Windows 8

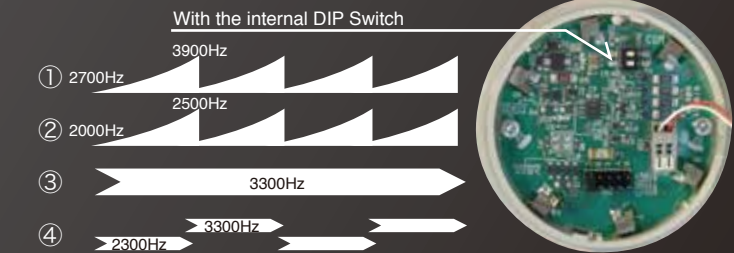


■ Omni-directional Sound Module

Loud, multi-sound Module (LU7-LB)

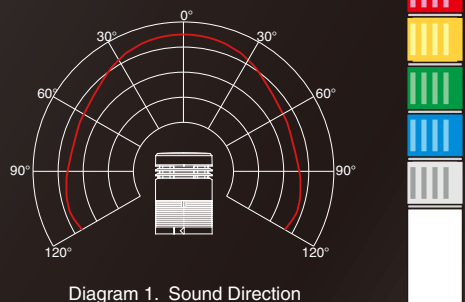
- Loud sound pressure up to 100dB (±5dB)
- Four kinds of alarm sounds can be selected with a DIP switch for a wider alarm sound range
- IP40 Protection rating
- Complies with CE/RoHS/FCC Standards
- Can be used with LU7-02(FB), LU7-M2(FB), and LU7-02SB
- Alarm can be set to sound with a specific LED module for simultaneous control

4 Alarm sound Patterns



Stackable audible alarm

- Can be used with LU7-02(FB), LU7-M2(FB), and LU7-02S(B).
- Easily mounted at the top of the light stack.

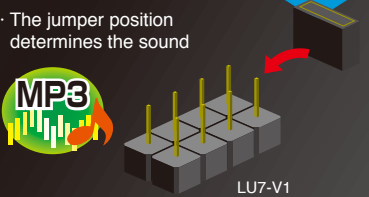


Head cover is supplied with the base unit.

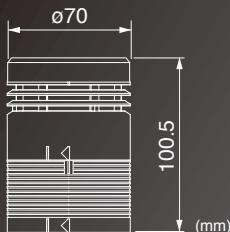
Omni-directional MP3 Smart Alert Module (LU7-V1)

- Volume adjustable from 9dB to 80dB at 1m (depends on type of sound or message)
- High quality MP3 supported voice and sound module replays up to 4 alarms or messages with 32 seconds of total program time
- Playback sound selected by the position of internal jumper pin
- MP3 data is recorded before shipment of order
- CE compliant

Selectable playback sound



Model	Type	Rated Voltage	Rated Current Consumption	Power Consumption	Mass
LU7-LB	Alarm Sound	24V DC	150mA	-	140g
LU7-V1	MP3 Smart Alert	24V DC	-	3.5W	170g





LU7 Series

70mm diameter

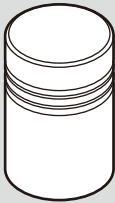
Modular LED Signal Tower



US LISTED






IP65 Environment Protection

Voice and Sound Module



Model	NEW LU7-LB	LU7-V1
Type	Alarm Sound	MP3 Smart Alert
Rated Voltage	DC 24V	DC 24V
Rated Current Consumption	150mA	-
Power Consumption	-	3.5W
Mass (±10%)	140g	170g

LED Units

Model	LU7-E-R	LU7-E-Y	LU7-E-G	LU7-E-B	LU7-E-C
Unit Color					
Rated Voltage	DC 24V				
Operating Voltage Range	DC 21.6 ~ 26.4V				
Current/Power Consumption	52mA/1.25W		42mA/1.0W		
Operating Temperature Range	-30°C ~ +60°C				
Mass (±10%)	60g				



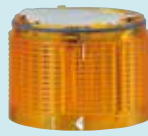
LU7-E-R LED unit RED



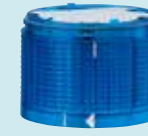
LU7-E-G LED unit GREEN



LU7-E-C LED unit CLEAR/WHITE



LU7-E-Y LED unit AMBER



LU7-E-B LED unit BLUE

LED Strobe Module

Model	LU7-XE-R	LU7-XE-Y	LU7-XE-G	LU7-XE-B	LU7-XE-C
Unit Color	Red	Yellow	Green	Blue	Clear/White
Rated Voltage	DC 24V				
Power Consumption	290mA	290mA	140mA	270mA	280mA
Mass (±10%)	70g				

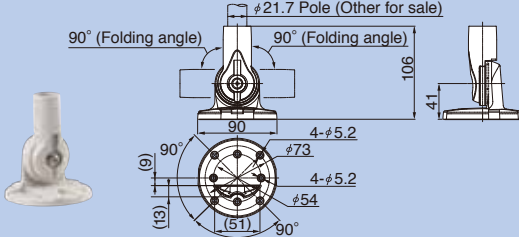
BASE Units

Model	LU7-02S	LU7-02	LU7-02SB	LU7-02FB	LU7-02S-USB	LU7-M2	LU7-M2FB
Color	○ (-02SU, -02U, -02UFB, -M2U, -M2UFB) ● (-02SK, -02K, -02KFB, -M2K, -M2KFB)						
Standard Body/Short Body	Short	Standard	Short	Standard	Short	Standard	
Rated Voltage	DC 24V				DC 5V (USB bus power)	AC 100~240V (50/60Hz)	
Operating Voltage Range	DC 21.6 ~ 26.4V				DC 4.75 ~ 5.25V※	AC 90~250V (50/60Hz)	
Alarm	-		*Alarm 1	*Alarm 2	5 Patterns	-	*Alarm 1   *Alarm 2
Current Consumption	-		50±10mA	24±10mA	Max 500mA	-	50±10mA   24±10mA
Power Consumption	-		1.2±0.25W	0.58±0.25W		-	1.8±0.25W   1.3±0.25W
Sound Level	-		Max:90±5dB (at 1m)		80±5dB (at 1m)	-	Max:90±5dB (at 1m)
			Min:70dB or Less (at 1m)				Min:70dB or Less (at 1m)
Flashing Cycle	-		60±12 flashes per minute			-	60±12 flashes per minute
Operating Temperature Range	-30°C ~ +60°C				-20°C ~ +60°C	-25°C ~ +55°C	
Mounting Direction	Upright, Indoor only				Upright, Indoor only	Upright, Indoor only	
Protection Rating	IP65 (IP66 with Cable Gland supplied by user)					※Excludes LU7-USB	
Mass (±10%)	150g	250g	250g	280g	160g	310g	340g
Open Collector Type	PNP/NPN				-	NPN	

※ Based on USB 2.0 Standard

Pre-assembled

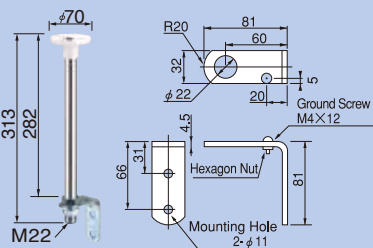
SZ-22Q+O0103



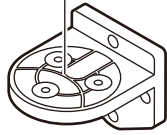
SZ-50T



SZ-50L



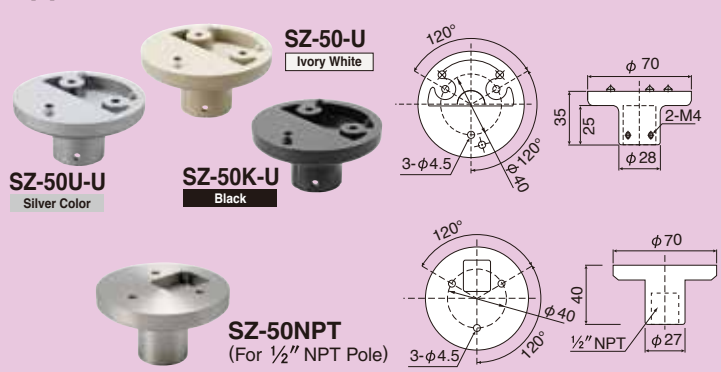
Optional Parts



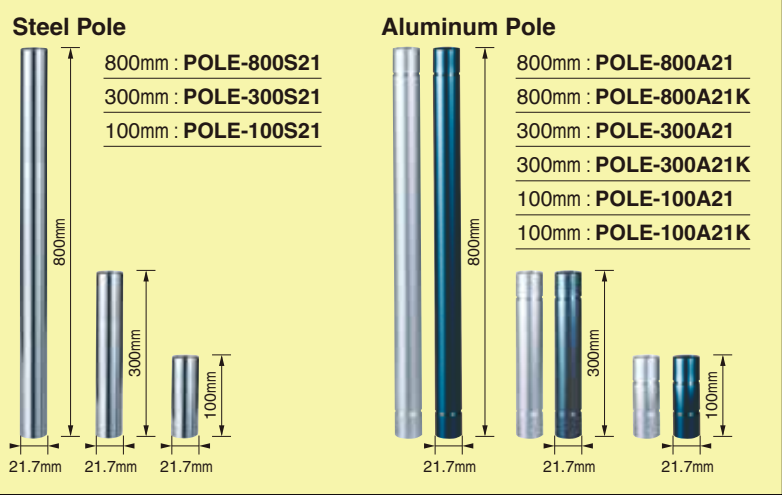
Wall Mount Bracket



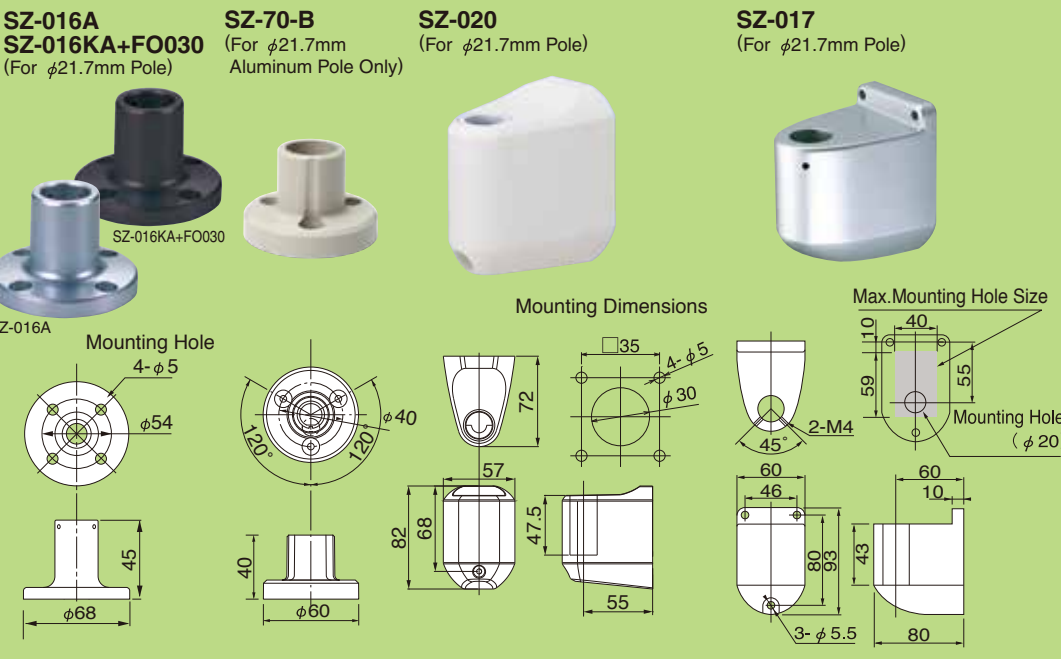
Upper Bracket (For φ21.7mm Pole)



Pole



Mounting Bracket



Optional Parts

