70mm Light Towers

Easily build or modify the combination that works for you!

The LT7 light tower combines innovative LED technology with modular style assembly. This enables the towers to meet the extensive requirements seen in most status indicating applications. The simple design uses only 9 modular components to make a five color tower complete with alarm and flashing functions.

Using the latest and brightest LEDs, the LT7 product range provides brilliant illumination for all the lens colors. The unique prism cut design enhances the brightness and ensures outstanding levels of visibility from any direction and distance.

Key features of the LT7 series light towers include:

- 70mm diameter
- Ultra bright LEDs
- LED strobe modules
- Unique interlocking construction
- Fast and easy assembly
- Optional adjustable alarm
- Lead-free design, RoHS compliant
- IP65 environment protection, NEMA Type 4, 4X, 13
- Color-coded wiring terminals
- Only nine modular components with 5 lens colors & 4 base units
- UL/c-UL Listed, CE marked

File #E245027

Part Numbers

Part Numbers: Base Units

Voltage	Steady	Flashing/Buzzer
24V DC	LT7B-D24	LT7B-D24FB
	LT7B-D24SB*	
90-250V AC	LT7B-A250	LT7B-A250FB

1. Base unit comes with top cap.
2. *Short body, black base type.

Part Numbers: Lens/LED Units

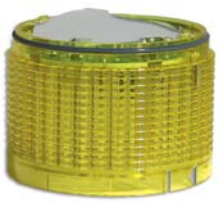
Color	Part Number
Red	LT7A-R
Amber Yellow	LT7A-Y
Green	LT7A-G
Blue	LT7A-S
White	LT7A-C
Lemon Yellow	LT7A-LY*

*Maximum 5 LED color variations per base. Lemon yellow LED module and amber yellow LED module share same signal and both will light if stacked together.

Part Numbers: LED-Strobe Units

Color	Part Number
Red	LT7A-XE-R
Amber Yellow	LT7A-XE-Y
Green	LT7A-XE-G
Blue	LT7A-XE-S
White	LT7A-XE-C

(for 24V DC base only)



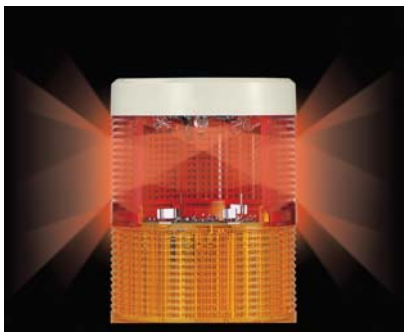
Lemon Yellow LED module

Short body type

LT7 Specifications

Base Units			LT7B-D24 LT7B-D24SB	LT7B-D24FB		LT7B-A250	LT7B-A250FB	
Specifications	Operation/Function		Steady	Flashing/Steady		Steady	Flashing/Steady	
	Rated Voltage		24V DC			90~250V AC (50/60Hz)		
	Operating Voltage		24V ±10% (21.6~26.4V)			90~250V AC (50/60Hz)		
	Alarm		–	Alarm 1*	Alarm 2**	–	Alarm 1*	Alarm 2**
	Current Consumption		–	50±10mA	24±10mA	–	50±10mA	24±10mA
	Power Consumption		–	1.2±0.25W	0.58±0.25W	–	1.8±0.25W	1.3±0.25W
	Alarm Sound Level	Max	–	90dB±5 (at 1m)		–	90dB±5 (at 1m)	
		Min	–	70dB or less (at 1m)		–	70dB or less (at 1m)	
	Flashing Cycle		–	60±12 flashes per minute		–	60±12 flashes per minute	
	Operating Temperature Range		-30°C~+60°C			-25°C~+55°C		
	Mounting		Upright, indoor only			Upright, indoor only		
	Protection		IP65, NEMA Type 4, 4X, 13			IP65, NEMA Type 4, 4X, 13		
	Weight		250g	280g		310g	340g	
	Open Collector		PNP/NPN			NPN		

*Alarm 1: continuous sound
*Alarm 2: intermittent sound



Ultra-bright LEDs

Color Coded Wiring Terminals

Lens/LED and LED-Strobe Units*		LT7A-R	LT7A-Y	LT7A-G	LT7A-S	LT7A-C	LT7A-LY	LT7A-XE-R	LT7A-XE-Y	LT7A-XE-G	LT7A-XE-S	LT7A-XE-C
Specifications	LED Unit Type	Steady/Flashing						Strobe				
	LED Unit Color	Red	Amber Yellow	Green	Blue	White	Lemon Yellow	Red	Amber Yellow	Green	Blue	White
	Current/Power	52mA/1.25W		42mA/1.0W				280mA/6.96W		130mA/3.36W	260mA/6.48W	270mA/6.72W
	Operating Temperature Range	-30°C~+60°C						-10°C~+60°C				
	Weight	60g						70g				

*Operate with all voltage base units listed on previous page.
1. Strobe units pulse 77 times per minute
2. Strobe units suitable only for BASE unit [LT7B-D24(FB)]. Units do NOT work with BASE unit [LT7B-A250(FB)].
3. Strobe units should be operated in 'Continuous light' mode. If it is operated in flashing mode, it will NOT operate correctly.
4. Do not substitute parts of units from other products.
5. This product can be used only indoors. Do not use outdoors.
6. Do not use without LED unit or top cover installed.

Accessories & Replacement Parts

LT9Z-7T
mounting pole with base mount

LT9Z-7L
mounting pole with L-angle bracket

LT9Z-SZ007
90 degree angle mounting bracket

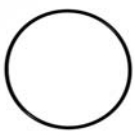
LT9Z-SZ020*
wall mounting bracket (pole required)

LT9Z-SZ018
wall mounting bracket (direct mount)

LT9Z-SZ50NPT
1/2" NPT aluminum mounting adapter

LT9Z-HCLT7
replacement top cap (1 piece)

LT9Z-M4NUTSLT7
Replacement M4 mounting nuts (1 piece)



LT9Z-ORINGLT7
Replacement O-ring gasket (1 piece)

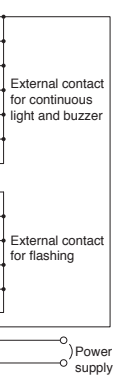
Must use LT9Z-7L pole mount with LT9Z-SZ020 wall mount bracket.

Wiring Examples

LT7B-D24FB

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

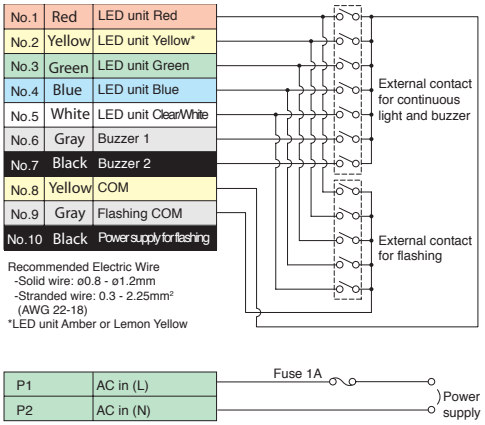
Recommended Electric Wire
-Solid wire: ø0.8 - ø1.2mm
-Stranded wire: 0.3 - 2.25mm² (AWG 22-18)
*LED unit Amber or Lemon Yellow



LT7B-A250FB

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

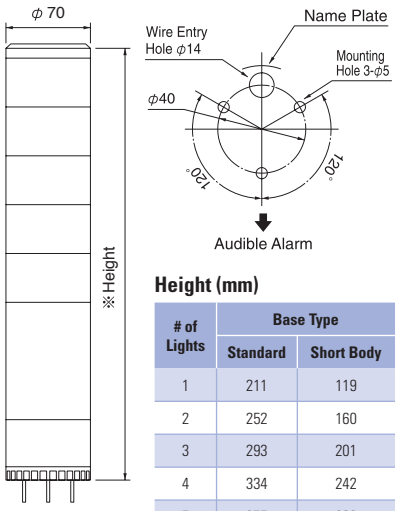
Recommended Electric Wire
-Solid wire: ø0.8 - ø1.2mm
-Stranded wire: 0.3 - 2.25mm² (AWG 22-18)
*LED unit Amber or Lemon Yellow



P1	AC in (L)
P2	AC in (N)

LT7 Dimensions

LT7 Base Unit



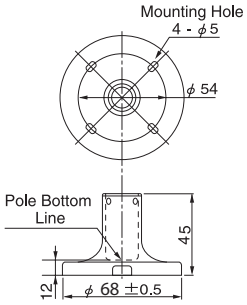
Height (mm)

# of Lights	Base Type	
	Standard	Short Body
1	211	119
2	252	160
3	293	201
4	334	242
5	375	283

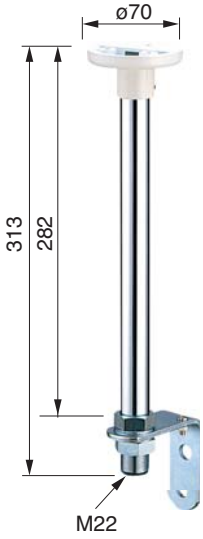
LT7 Dimensions con't

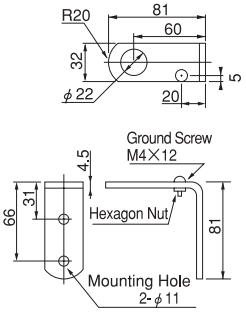
LT7 Mounting Brackets

LT9Z-7T

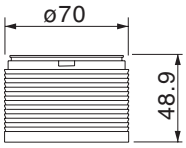


LT9Z-7L

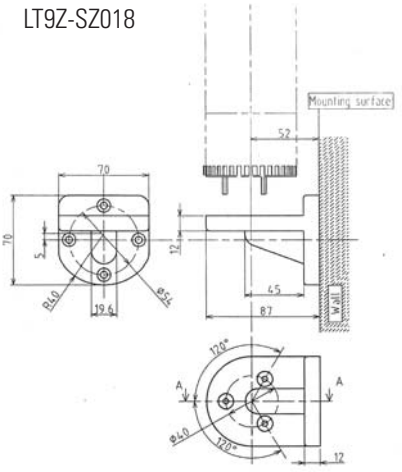




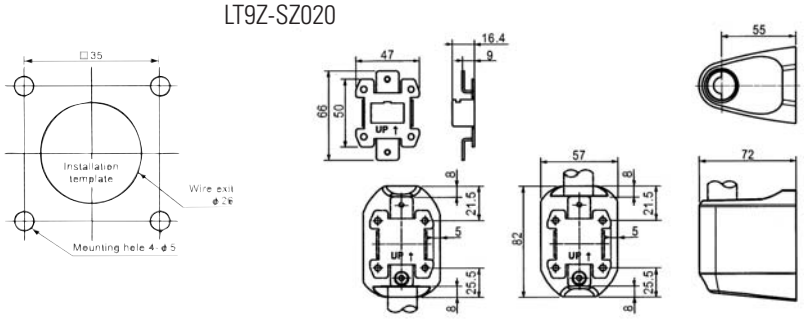
LT7 LED Unit



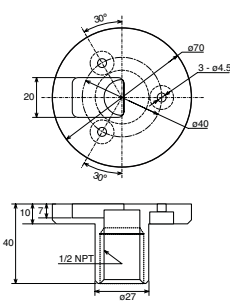
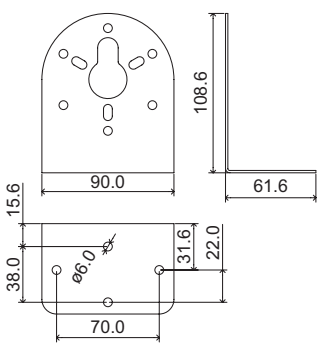
LT9Z-SZ018



LT9Z-SZ020



LT9Z-SZ50NPT



LT9Z-SZ007