

56mm LT1 Series Light Towers

Display Lights with a Tower of Advantages

Key features of the LT1 series Signalight towers include:

- Custom configurations meet your specifications — simply
- Select your flash preference, lens colors, number of tiers, mounting style, and voltage
- Choice of LED or incandescent lamps
 - LED lamps provide over 100,000 hours of service life and are interchangeable with incandescent bulbs
 - Incandescent lamps (available up to 10 watts) are vibration-resistant and provide a 2,000 hour service life
- Replace the bulbs independently; no need to disassemble the entire unit
- Heat- and shock-resistant polycarbonate lenses
- Flashing models allow each lamp to be flashed or steady
- Choice of metallic base or cost-saving plastic base
- Color-coded wires make assembly and wiring easy
- Mounting options include base and pole mount



Base Mount



Pole Mount
(with "L" bracket)



File No. E70646

LT1 Specifications

LT1A: Incandescent, Non-Flashing

LT1D: Incandescent, Flashing/Non-Flashing

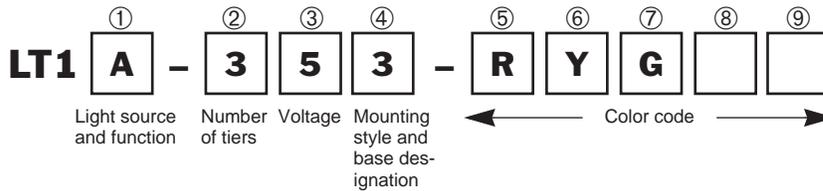
LT1H: LED, Non-Flashing

LT1K: LED, Flashing/Non-Flashing

Nominal Voltage		12V AC/DC $\pm 10\%$	24V AC/DC $\pm 10\%$	120V AC $\pm 10\%$	240V AC $\pm 10\%$			
Internal Fuse Rating		3.15A	3.15A	1A	1A			
Lamp Rating	LED	12V AC/DC	24V AC/DC	120V AC	N/A			
	Incandescent	12V, 5W	30V, 10W	120V, 7W	240V, 10W			
Current Required per Lamp	LED		Red	Green	Yellow	White	Blue	N/A
		12VDC	54mA	78mA	54mA	54mA	78mA	
		24VDC	54mA	39mA	54mA	54mA	39mA	
		120VAC	30mA	30mA	30mA	30mA	30mA	
	Incandescent	0.4A $\pm 10\%$	0.3A $\pm 10\%$	0.06A $\pm 10\%$	0.05A $\pm 10\%$			
External Contact Capacity		5A	5A	2A	1A			
In-Rush Current per Lamp	LED	Not applicable						
	Incandescent	Below 4.0A	Below 3.0A	Below 0.6A	Below 0.5A			
Lamp Style	LED	BA15D lamp base						
	Incandescent	T20 glass bulb, BA15D lamp base						
Lamp Life-Span	LED	100,000 hours (minimum)						
	Incandescent	2,000 hours (average)						
Lens Colors	Red, Yellow, Green, Blue, White							
Lens Diameter	2.20" (56mm)							
Maximum Tiers	5							
Degree of Protection	IP20 (for indoor use only), NEMA1							
Flash Rate	LED: 45/minute $\pm 10\%$ (LT1K only) Incandescent: 80/minute $\pm 10\%$ (LT1D only)							
Insulation Resistance	More than 3M Ω by a DC 500V megger							
Voltage Resistance	1,500V AC for 1 minute							
Operating Range	-30 to +40°C (LT1A), -10 to +40°C (LT1D), 15 to 90% relative humidity							
Vibration Resistance	2.2G maximum							
Mounting	Base mount (three stud) Pole mount (horizontal or vertical surface) NPT mount (via adaptor) to 1/2" or 3/4" NPT conduit Install in an upright position							
Optional Pole Height	10.75" (273mm)							
Approvals	 File No. E70646							
Wire Size	Non-flashing (steady): 20 AWG Flashing: 18 AWG and 20 AWG							

LT1 Part Numbers (assembled)

Part Number Guide



To determine the appropriate Signalight part number, use these numbered boxes in conjunction with the codes in the *Part Numbers: Assembled Parts* table below.

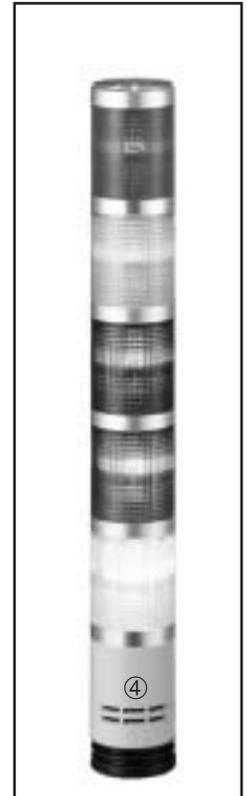
Part Numbers: Assembled Parts

Box No.	Description		Code
①	Light source and function	Non-flashing (steady), incandescent lamp	A
		Flashing/non-flashing, incandescent lamp	D
		Non-flashing (steady), LED lamp	H
		Flashing/non-flashing, LED lamp	K
②	Number of tiers	Maximum of 5 tiers	1–5
③	Voltage	12V AC/DC	1
		24V AC/DC	2
		120V AC	5
		240V AC (incandescent only)	8
④	Mounting style and base designation	Beige frame cover	1
		Metallic frame cover	2
		Beige frame cover, pole incl.	3
		Metallic frame cover, pole incl.	4
⑤ – ⑨	Color code	Red	R
		Yellow	Y
		Green	G
		Blue	S
		White	W

 Specify lens color code from the lowest to the highest tier.

Examples: Assembled Parts

Part No.	Description
LT1A-354-RRR	Non-flashing incandescent, 3 tiers, 120V AC, pole-mount, metallic base, all Red lenses
LT1D-182-S	Flashing/non-flashing incandescent, 1 tier, 240V AC, base-mount, metallic base, Blue lens
LT1D-221-RS	Flashing/non-flashing incandescent, 2 tier, 24V AC/DC, base-mount, plastic base, Red and Blue lenses
LT1H-412-RGYW	Non-flashing LED, 4 tier, 12V AC/DC, base-mount, metallic base, Red, Green, Yellow, and White lenses
LT1K-554-GSRGR	Flashing/non-flashing LED, 5 tier, 120V AC, pole-mount, metallic base, Green, Blue, Red, Green, and Red lenses



C Display Lights

LT1 Part Numbers (sub-assembled)



Part Numbers: Sub-Assemblies

Display Lights

Description	Part No.	Notes	Examples
 Frame	LT1①-01②③*	① = Type A = Incandescent, non-flashing D = Incandescent, flashing/non-flashing H = LED, non-flashing K = LED, flashing/non-flashing ② = Number of tiers (1-5) ③ = Lamp voltage 1 = 12V AC/DC 2 = 24V AC/DC 5 = 120V AC 8 = 240V AC * = Frame cover (M = metallic, P = beige)	LT1A-0142M = Steady light, four tiers, 24V AC/DC, metallic base LT1D-0125P = Flashing light, two tiers, 120V AC, plastic base
 Lens	LT1X-08*	* = Color: R = Red, Y = Yellow, G = Green, S = Blue, W = White	LT1X-08G = Green lens
 LED Lamps	12V AC/DC	LTXD-1*	LTXD-1R = Red LED, 12V AC/DC
	24V AC/DC	LTXD-2*	LTXD-2S = Blue LED, 24V AC/DC
	120V AC	LTXD-120*	LTXD-120Y = Yellow LED, 120VAC
 Incandescent Lamps	12V AC/DC	B5-2	
	30V AC/DC	B5-31	
	120V AC	B5-1	
	240V AC	B5-4	
 Top cap	LT1X-06		
 Mounting pole (optional)	LT1Z-10		

Bill of Materials Quantities

Description	Quantity
Body frame	Required: 1 per unit
Lens(es)	Variable: from 1 – 5
Top cap	Required: 1 per unit
Lamps	Variable: from 1 – 5
Mounting pole	Optional: 1 per unit

LT1 Accessories

②Lens/LED Color Code

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y

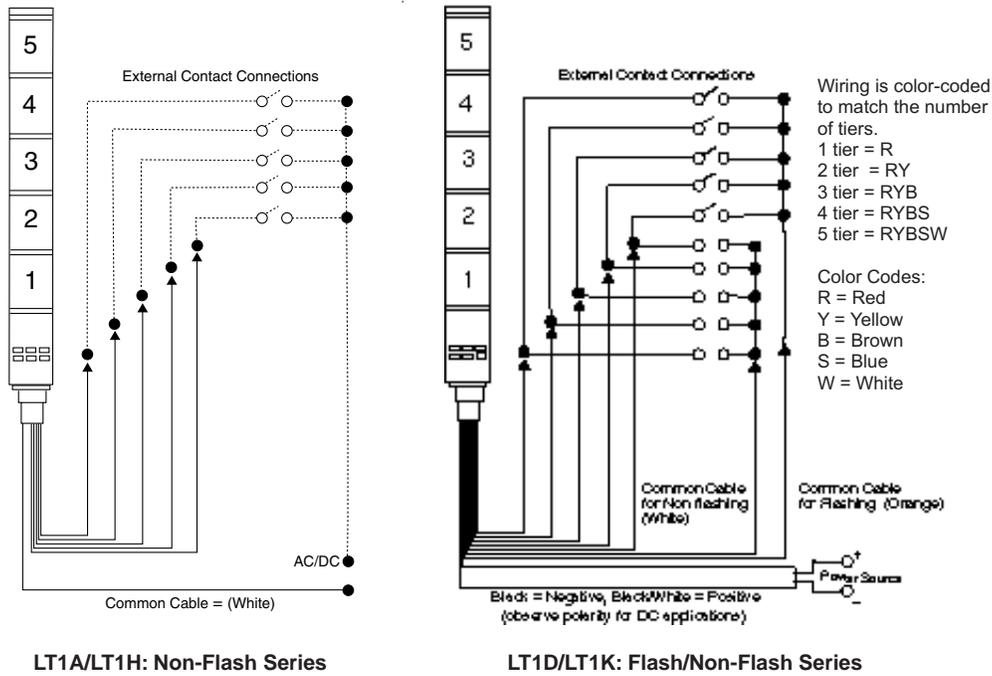
Part Numbers: Accessories/Replacement Parts

Description	Part No.	Remarks
LED Lamp 	LTXD-1②	12V AC/DC See chart for available colors
	LTXD-2②	24V AC/DC See chart for available colors
	LTXD-120②	120V AC See chart for available colors
Incandescent Lamp 	B5-2	12V AC/DC, 5W
	B5-31	30V, 10W (for use with 24V AC/DC)
	B5-1	120V AC, 7W
	B5-4	240V AC, 10W
Lens 	LT1X-08②	See chart for available colors
Top Cap 	LT1X-06	Clear polycarbonate
Mounting Pole 	LT1Z-10	Chrome-plated steel supplied with "L" bracket and two M22 x 1.5 hexagonal nuts
Pole Mounting Fixture 	LT1Z-11	Aluminum fixture for mounting pole-mounted units to horizontal surface; not included with assembled Signalight units
NPT Pole Adaptors 	LT1Z-NPT50	1/2" NPT pole adaptor; not included with assembled Signalight units
	LT1Z-NPT75	3/4" NPT pole adaptor; not included with assembled Signalight units



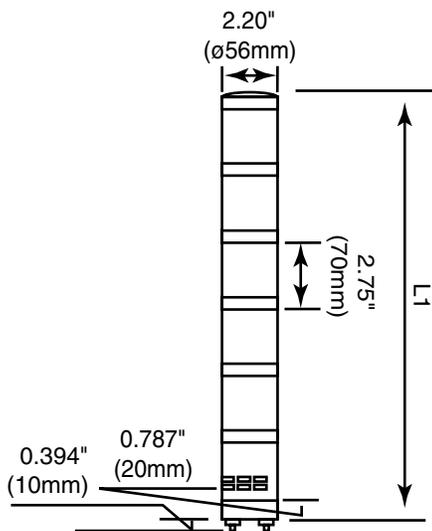
In place of ② specify lens/LED color code from chart at right.

LT1 Wiring

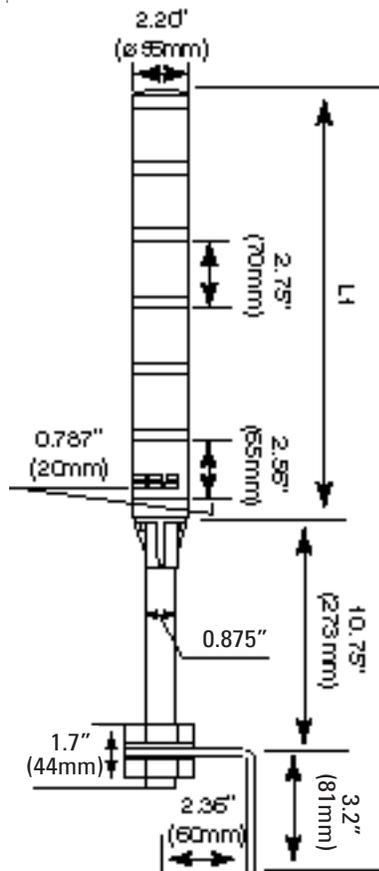


Signalight Dimensions

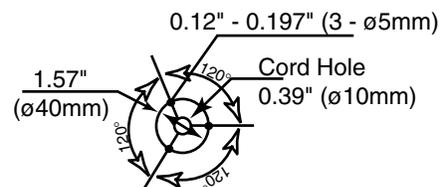
Assembled Base Mount



Assembled Pole Mount



Mounting Hole Layout: Base Mounting Style

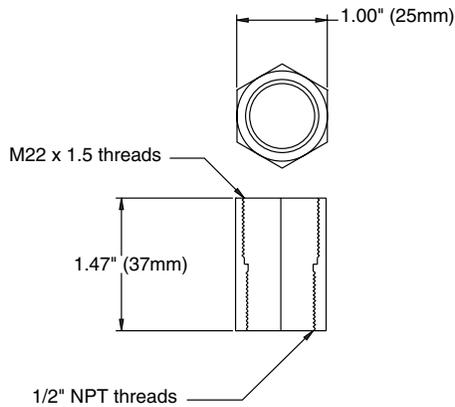


Number of Tiers	L1
1	6.7" (170mm)
2	9.4" (240mm)
3	12.2" (310mm)
4	15.0" (380mm)
5	17.7" (450mm)

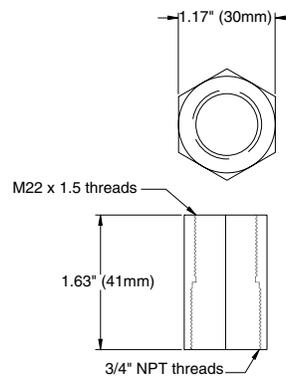
LT1 Dimensions con't

Adapter

LT1Z-NPT50

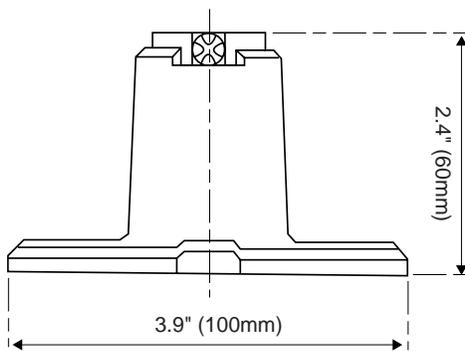


LT1Z-NPT75

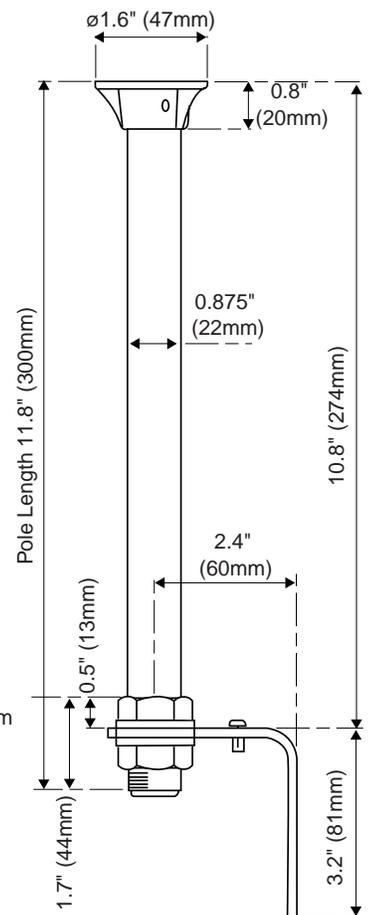


IDEC Display Lights

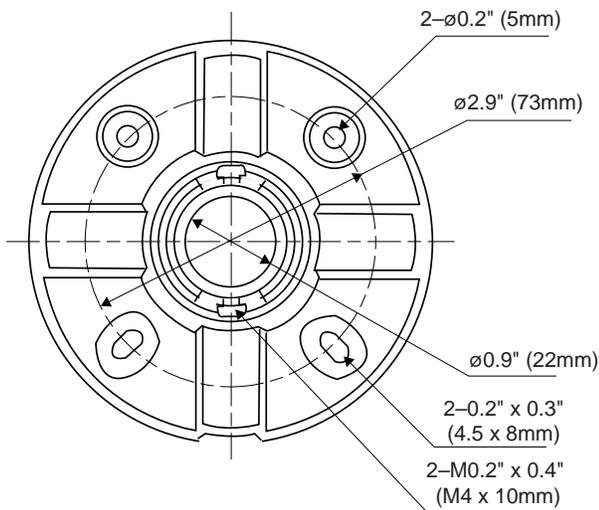
Optional Pole Mounting Base: Side View (LT1Z-11)



Mounting Pole (LT1Z-10)



Optional Pole Mounting Base: Bottom View



Mounting Bracket (provided with mounting pole)

