

# ZL-7

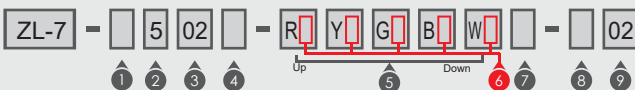
## SERIES Ø70mm

### Tower lamp

Medium appearance design, suitable for medium precision equipment  
 The color is bright and has good warning effect  
 The color of the signal cable corresponds to that of the lamp, which facilitates wiring  
 Free to increase or decrease the number of LED colors  
 Rewiring is not required to change the LED sequence



#### Select Code



- ① Lampshade : U = Smooth  
S = Grille
- ② Layer number: 1 = 1 Layer  
2 = 2 Layer  
3 = 3 Layer  
4 = 4 Layer  
5 = 5 Layer
- ③ Voltage: 01 = 12V/DC  
02 = 24V/DC
- ④ Function: None = Steady on No sound  
A = Buzzer continuous standard tone  
B = Buzzer hiatus standard tone  
C = Buzzer continuous high tone  
D = Buzzer hiatus high tone  
P = Trumpet music
- ⑤ Color: Red = R  
Yellow = Y  
Green = G  
Blue = B  
White = W
- ⑥ Light way: None = Steady  
1 = Flashing  
2 = Rotating
- ⑦ Lamp Shade Color: No letters = Color  
C = Transparent color
- ⑧ Stent models: None = Direct mount  
A = 25A      E = 25E  
B = 22B      J = 25J  
C = 25C      K = 25K  
D = 25D      Z = 25Z
- ⑨ Aluminum tube length: 10 = 10cm  
20 = 20cm  
30 = 30cm  
40 = 40cm

#### Technical Parameters

Standard	IEC/EN 61000-6		
Signal	CE		
The environment temperature	Storage	-40°C~+70°C	
	Operating	-25°C~+55°C	
Operating humidity	45 to 85%RH		
Degree of Protection	IP65 Watertight/Otight		
Material	Lampshade	PC	
	Light body	ABS	
Light source	LED		
Rated insulation voltage	IEC60947-1	>800V	
Voltage range	IEC60947-5-1	V0.85~1.10Un	
Rated Voltage	12V/DC	24V/DC	
LED Current	Red	90mA	45mA
	Yellow	90mA	45mA
	Green	90mA	45mA
	Blue	90mA	45mA
	White	90mA	45mA
Surge current	All Colors	100mA	100mA
Frequency	Flashing	About 1Hz	
	Rotating light	About 100 r/min	
Buzzer	Current	18mA	
	Volume	85dB	
Electrical life	About 50,000 hours		
Connection mode	Terminal		

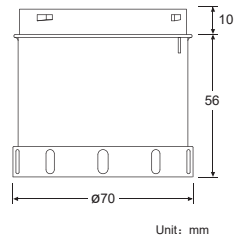
## Component Code

### LED module

- Smooth lampshade



#### Size Chart



- Grille lampshade



#### LED module code

EL7 - U 02 R

1 2 3 4

1 Lampshade	3 Color	4 Light way
U = Smooth S = Grille	Red = R Yellow = Y Green = G Blue = B White = W	None = Steady 1 = Flashing 2 = Rotating
2 Voltage		
01 = 12V/DC 02 = 24V/DC		

Parameter specification						
Color	Red	Yellow	Green	Blue	White	
Current	12V DC	90mA	90mA	90mA	90mA	90mA
	24V DC	45mA	45mA	45mA	45mA	45mA
Light intensity	213/Lux	134/Lux	342/Lux	129/Lux	459/Lux	
Flicker frequency	60~90 beats / min					
Rotating frequency	About 100 r/min					
Material	PC					
Quality	12/24VDC:44g					

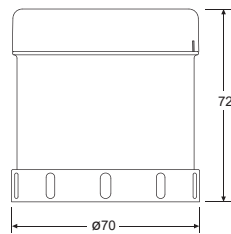
### Buzzer module

- Buzzer standard tone

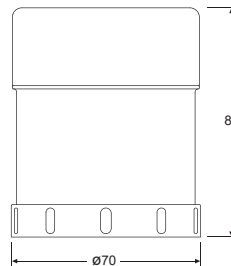


#### Size Chart

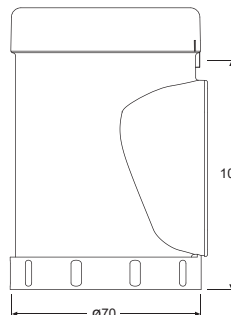
Unit: mm



- Buzzer high tone



- Trumpet music



#### Buzzer module code

BL7 - U 02

1 2 3

1 Appearance	Sound
U = Smooth S = Grille	None = Steady on No sound A = Buzzer continuous standard tone B = Buzzer hiatus standard tone C = Buzzer continuous high tone D = Buzzer hiatus high tone P = Trumpet music
2 Voltage	
01 = 12V/DC 02 = 24V/DC	

Parameter specification				
Buzzer module	Buzzer standard tone	Buzzer high tone	Trumpet music	
Current	12V DC	18mA	25mA	45mA
	24V DC	18mA	25mA	45mA
Volume	85dB	100dB	120dB	
Color	Blace	Blace	Blace	
Quality	12/24VDC:60g	12/24VDC:80g	12/24VDC:120g	

### Aluminum tube

Model specification

LG — D25 L10

1	Diameter
D25 = 25mm	
2	Length
L10 = 10cm	
L20 = 20cm	
L30 = 30cm	
L40 = 40cm	

Material : Anodized aluminum

### Lamp caps

Lamp caps model

BL7-UDG1

Material : PC-ABS

### Wiring body

Wiring body model

BL7-UDT1

Size Chart

Unit: mm

Material : PA66

## Speaker sound selection method

01 Buzzer rang	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	06 Slow Sound 1	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	11 Slow Sound 2	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	16 long and short 2	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	21 No sound	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
02 Buzzer hiatus 1	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	07 Quick note 2	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	12 Slow dual tone 2	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	17 waltz	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
03 Buzzer hiatus 2	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	08 long and short 1	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	13 Slow dual tone 3	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	18 To Alice	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
04 Dual tone 1	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	09 Slow dual tone 1	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	14 Slow Sound 3	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	19 Sweet home	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
05 Quick note 1	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	10 Dual tone 2	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	15 Slow Sound 4	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	20 Butterfly lovers	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

## Support model size diagram

Unit: mm

**22A Model**

Material : ABS

**Warning:** 25AMust be used with aluminum tube

**22B Model**

Material: Galvanized iron

**25C Model**

Material: PA66

**25D Model**

Material: PA66

**25J Model**

Material: PA66

**25K Model**

Material: PA66 Must be used with aluminum tube!

**25Z Model**

Material: ABS

**70L Model**

Material: PA66

**70T Model**

Material: PA66

**70P Model**

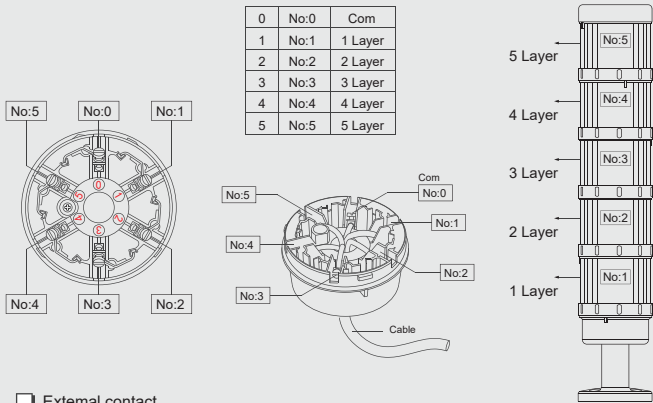
Material: PA66

**70W Model**

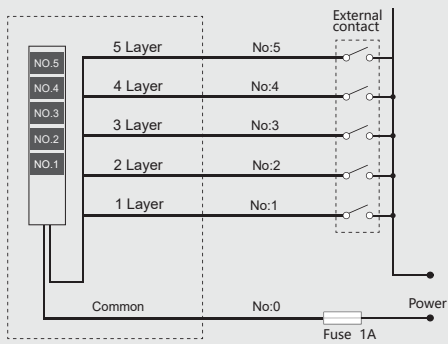
Material: ABS

## Wiring Diagram

The terminal and module corresponding to the number on the wiring block

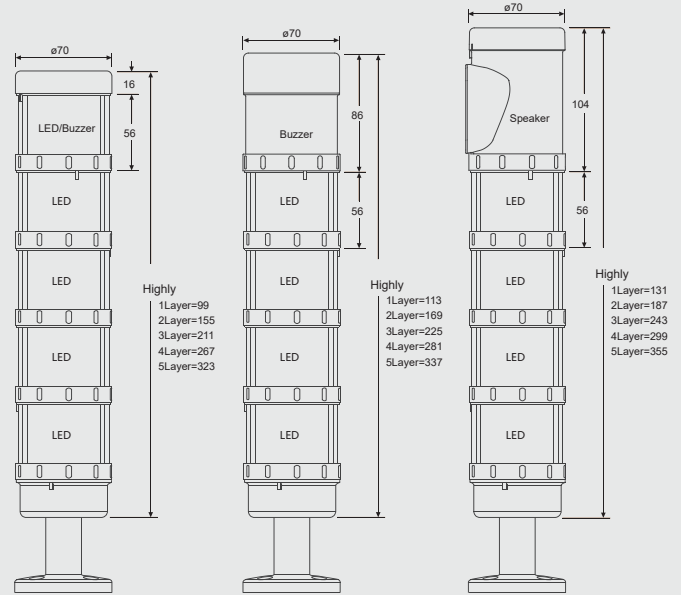


External contact



## Size Chart Unit: mm

LED+Buzzer standard tone     LED+Buzzer high tone     LED+Trumpet music



## Assembly diagram of product and mounting bracket

