

# Ø50mm LED Steady/Flashing Tower Lights

## STG50ML



### PRODUCT SPECIFICATION

STG50ML | STG50L

**Materials** Lens-AS, Housing-ABS, Pole-Al

**Ambient operating temperature** -30°C to +50°C

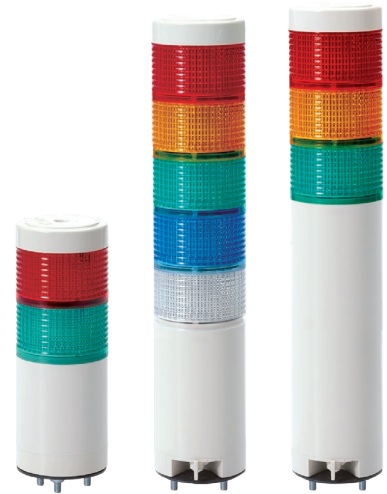
**Volume** Max.85dB at 1m

**Protection rating** Standard type-IP65, Built-in buzzer type-IP54

**Flashing rate** 60-80/min

**Compliant with RoHS directive**

- Ø50mm LED steady/flashing tower lights
- The special vertical contact structure of the lens allows for easy assembly and disassembly
- Built-in buzzer available upon request: audible signal can be delivered
- Transistors can be connected and can be operated on PLC directly
- Customized color arrangement available(LED light distribution system and lens is integrated into a combined structure)
- Standard model and built-in buzzer model can be used by selecting the specifications suitable for the operating environment.



STG50ML Series

### STG50ML Ø50mm Direct mount, LED Steady/Flashing

Model number	Layers	Voltage	Certificates	Weight	Color
STG50ML Steady STG50ML-BZ Steady w/built-in buzzer STG50MLF Steady/Flashing STG50MLF-BZ Steady/Flashing w/ built-in buzzer	1	DC12V DC24V AC110V-220V	CE UL	0.15kg 0.15kg 0.21kg	R-Red
	2	DC12V DC24V AC110V-220V		0.18kg 0.18kg 0.24kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.21kg 0.21kg 0.27kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.24kg 0.24kg 0.30kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.27kg 0.27kg 0.33kg	R-Red A-Amber G-Green B-Blue W-White

※ AC type model has a free-voltage range of 100V-240V.

※ CE Compliant: DC12V, DC24V, UL Listed: DC24V

Buzzer model has a lever mounted at the bottom of the product to adjust the volume depending on the specific working conditions. (BZ type)

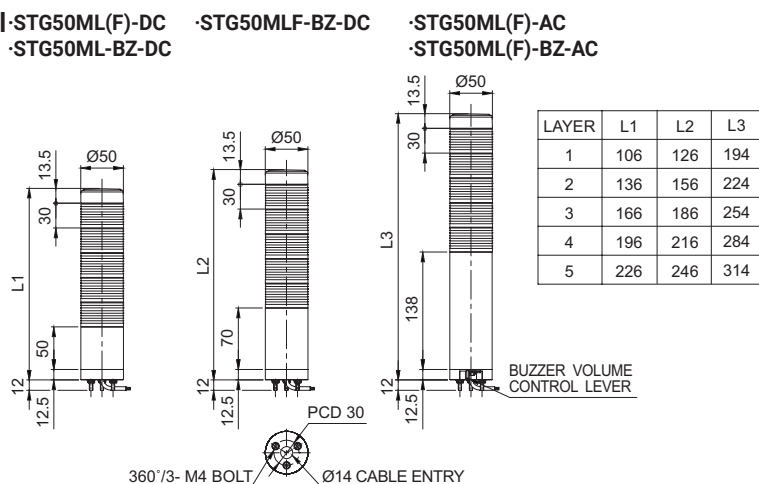


### Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	55mA	50mA	Max.40mA
Buzzer current	40mA	75mA	Max.60mA

### Technical Diagram

Units : mm



### Customization

- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep, beep) output available
- DC24V voltage UL listed product
- M12 connector type: Standard entry cable included. Can customize the product with the M12 connector if requested (Female M12 connector is not provided)
- Wall mount bracket options : Bracket structure allows for threading through the bracket hole or into the wall



Wall mount bracket TWS45



Wall mount bracket TWA45

# Ø50mm LED Steady/Flashing Tower Lights

## STG50L



STG50L Series

Buzzer model has a lever mounted at the bottom of the product to adjust the volume depending on the specific working conditions. (BZ type)



### Customization

- Customized pole length available
- DC24V voltage UL listed product
- M12 connector type: Standard entry cable included. Can customize the product with the M12 connector if requested (Female M12 connector is not provided)

### Mounting bracket

Standard LB18 LW18 QZ18



Steel Steel ABS ABS

SZ18 QL18 SL18



AI ABS AI

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

### STG50L Ø50mm Pole mount, LED Steady/Flashing

Model number	Layers	Voltage	Certificates	Weight	Color
STG50L	1	DC12V	CE UL	0.29kg	● R-Red
		DC24V		0.29kg	
Steady	2	AC110V-220V		0.36kg	● R-Red ● G-Green
		DC12V		0.32kg	
STG50L-BZ	3	DC24V		0.32kg	● R-Red ● A-Amber ● G-Green
		AC110V-220V		0.39kg	
Steady w/built-in buzzer	4	DC12V		0.35kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V		0.35kg	
STG50LF	5	AC110V-220V		0.42kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC12V		0.38kg	
Steady/Flashing	4	DC24V		0.38kg	
		AC110V-220V		0.45kg	
STG50LF-BZ	5	DC12V		0.41kg	
		DC24V		0.41kg	
Steady/Flashing w/built-in buzzer	5	AC110V-220V		0.48kg	
		DC12V		0.41kg	

※ AC type model has a free-voltage range of 100V-240V.

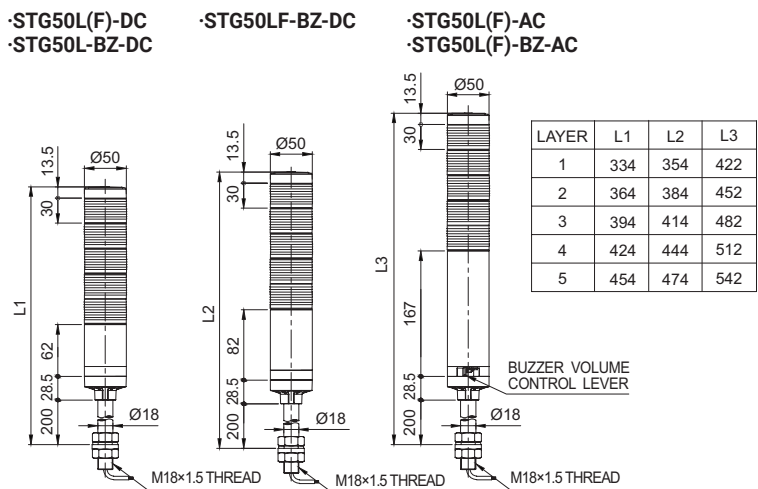
※ CE compliant: DC12, DC24V, UL Listed: DC24V

### Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	55mA	50mA	Max.40mA
Buzzer current	40mA	75mA	Max.60mA

### Technical Diagram

Units : mm



### Wiring Instructions

- External power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line UL1007 AWG22(0.3sq) 400mm
- LED tower light can be wired by using transistor and External Contact

### Ordering Specifications

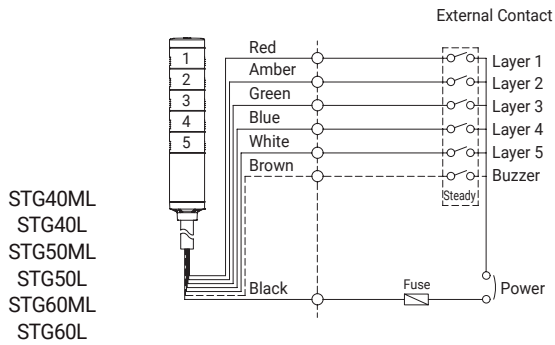
STG50L	3	24	RAG	LW18
[Model number]	[Layers]	[Voltage]	[Color]	[Bracket]
STG50ML	1-1 Layers	12-DC12V	● R-Red	· None-Standard
STG50ML-BZ	2-2 Layers	24-DC24V	● A-Amber	· Bracket
STG50MLF	3-3 Layers	110/220-AC110V-220V	● G-Green	-LB18 -LW18
STG50MLF-BZ	4-4 Layers		● B-Blue	-QZ18 -SZ18
STG50L	5-5 Layers		○ W-White	-QL18 -SL18
STG50L-BZ				
STG50LF				
STG50LF-BZ				

## Wiring Instructions(using External Contact)

· In case of wiring with External Contacts, refer to the wiring diagrams below according to your product's type and voltage setting.

## Wiring Instructions

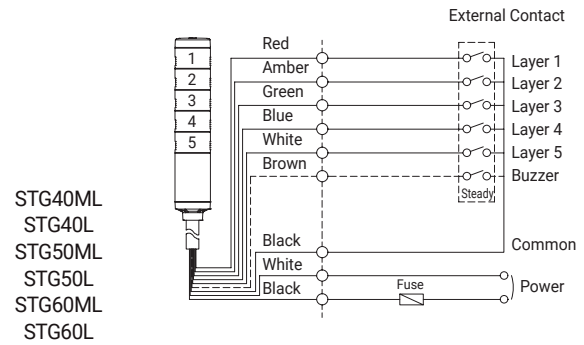
## DC Steady



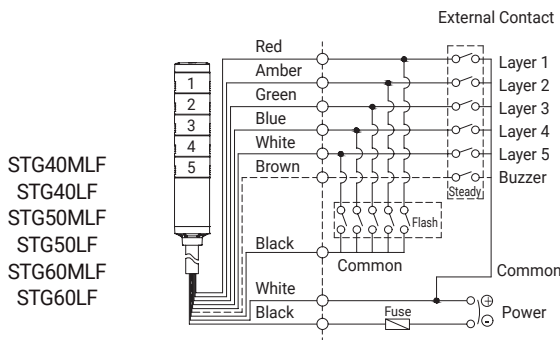
- STG □□ (M)L - Buzzer same wiring instruction
- STG □□ L
  - └ Lens diameter 40(40mm): STG40(M)L
  - 50(50mm): STG50(M)L
  - 60(60mm): STG60(M)L

## Wiring Instructions

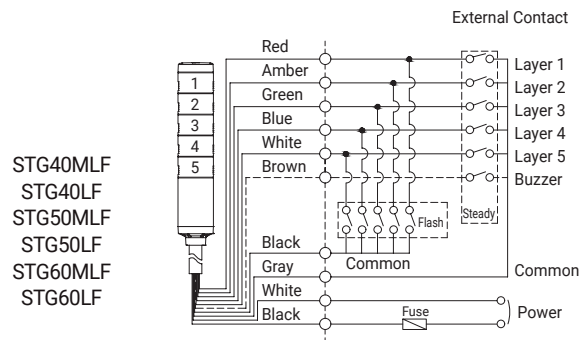
## AC Steady



- STG □□ (M)L - Buzzer same wiring instruction
- STG □□ L
  - └ Lens diameter 40(40mm): STG40(M)L
  - 50(50mm): STG50(M)L
  - 60(60mm): STG60(M)L

DC Steady/  
Flashing

- STG □□ (M)LF - Buzzer same wiring instruction
- STG □□ LF
  - └ Lens diameter 40(40mm): STG40(M)LF
  - 50(50mm): STG50(M)LF
  - 60(50mm): STG60(M)LF

AC Steady/  
Flashing

- STG □□ (M)LF - Buzzer same wiring instruction
- STG □□ LF
  - └ Lens diameter 40(40mm): STG40(M)LF
  - 50(50mm): STG50(M)LF
  - 60(50mm): STG60(M)LF

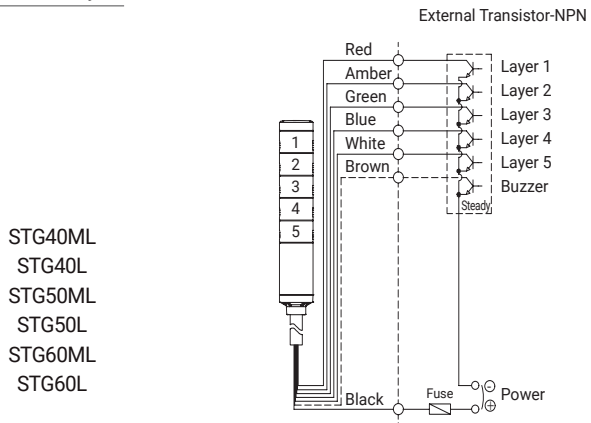
- DC steady type cable specification: External power line/External signal line UL1007 AWG22(0.3sq) 400mm
- AC steady, AC/DC steady/flashing type cable specification: External power line UL1015 AWG18(0.75sq) x 2C 400mm  
External signal line UL1007 AWG22(0.3sq) 400mm

## Wiring Instructions(using transistor)

· In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please carefully follow wiring instructions below.

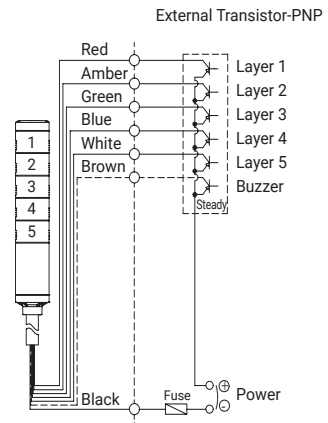
## Wiring Instructions

## DC Steady

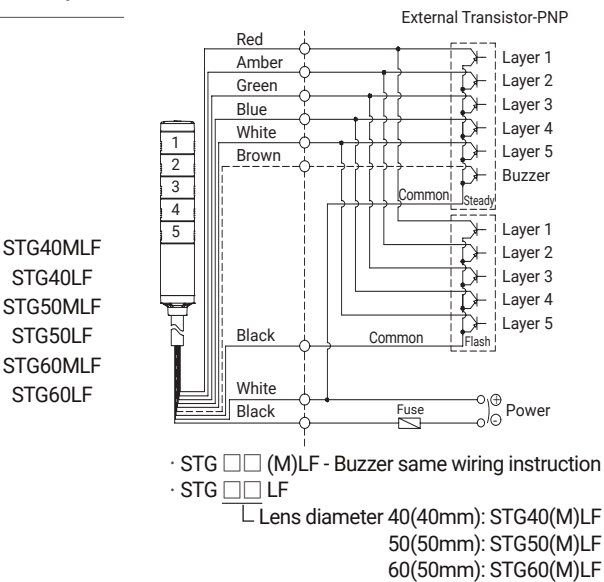


STG40ML  
STG40L  
STG50ML  
STG50L  
STG60ML  
STG60L

- STG □□ (M)L - Buzzer same wiring instruction
- STG □□ L
  - └ Lens diameter 40(40mm): STG40(M)L
  - 50(50mm): STG50(M)L
  - 60(60mm): STG60(M)L

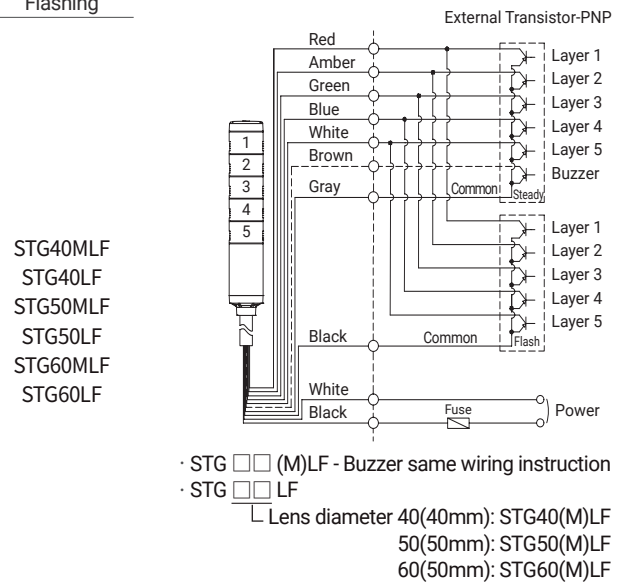


## DC Steady/Flas



STG40MLF  
STG40LF  
STG50MLF  
STG50LF  
STG60MLF  
STG60LF

- STG □□ (M)LF - Buzzer same wiring instruction
- STG □□ LF
  - └ Lens diameter 40(40mm): STG40(M)LF
  - 50(50mm): STG50(M)LF
  - 60(50mm): STG60(M)LF

AC Steady/  
Flashing

STG40MLF  
STG40LF  
STG50MLF  
STG50LF  
STG60MLF  
STG60LF

- STG □□ (M)LF - Buzzer same wiring instruction
- STG □□ LF
  - └ Lens diameter 40(40mm): STG40(M)LF
  - 50(50mm): STG50(M)LF
  - 60(50mm): STG60(M)LF

- DC steady type cable specification: External power line/External signal line UL1007 AWG22(0.3sq) 400mm
- AC steady, AC/DC steady/flashing type cable specification: External power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line UL1007 AWG22(0.3sq) 400mm