

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

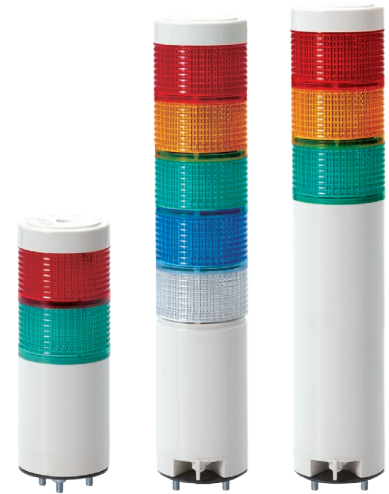
Volume Max.85dB at 1m

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	0.20kg 0.20kg 0.22kg	R-Red
	2	DC12V DC24V AC110V-220V		0.28kg 0.28kg 0.30kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.36kg 0.36kg 0.38kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.45kg 0.45kg 0.47kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.53kg 0.53kg 0.55kg	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)

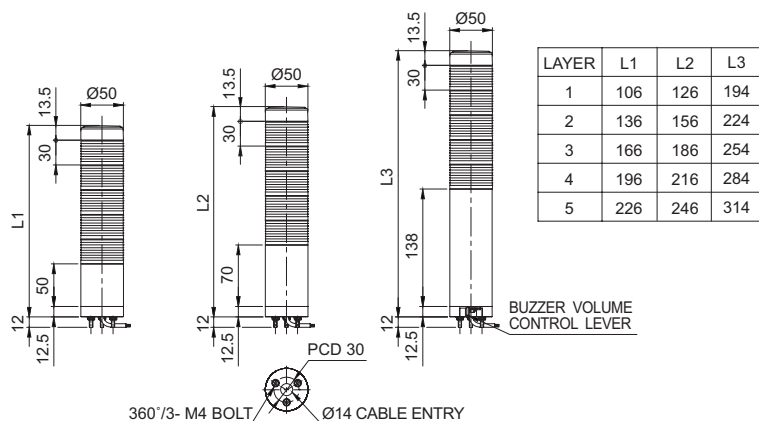


Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	0.055A	0.050A	Max.0.040A
Buzzer current	0.040A	0.075A	Max.0.060A

Technical Diagram

Units : mm



Customization

- 2 buzzer sound types : Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer 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 Steady	1	DC12V	CE UL	0.36kg	● R-Red
		DC24V		0.36kg	
		AC110V-220V		0.38kg	
STG50L-BZ Steady w/built-in buzzer	2	DC12V		0.43kg	● R-Red ● G-Green
		DC24V		0.43kg	
		AC110V-220V		0.45kg	
STG50LF Steady/Flashing	3	DC12V		0.53kg	● R-Red ● A-Amber ● G-Green
		DC24V		0.53kg	
		AC110V-220V		0.55kg	
STG50LF-BZ Steady/Flashing w/ built-in buzzer	4	DC12V		0.59kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V		0.59kg	
		AC110V-220V		0.61kg	
	5	DC12V		0.67kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V		0.67kg	
		AC110V-220V		0.69kg	

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

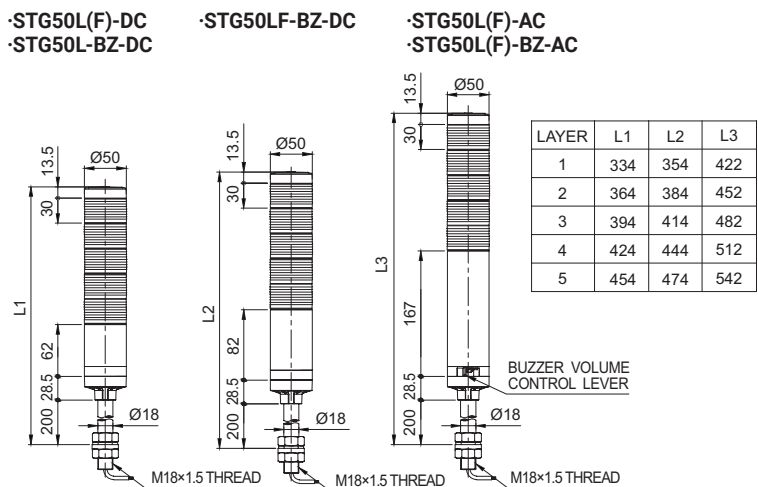
※ CE compliant: DC12, DC24V, UL Listed: DC24V

Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	0.055A	0.050A	Max.0.040A
Buzzer current	0.040A	0.075A	Max.0.060A

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

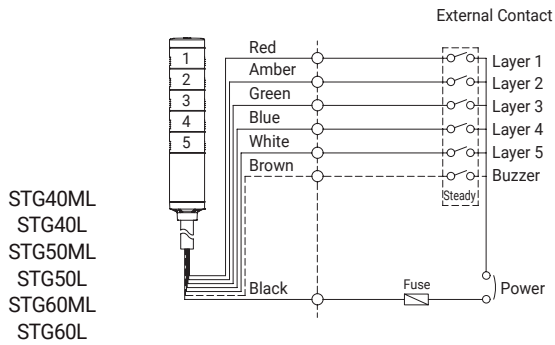
STG50L	3	24	RAG	LW18
[Model number]	[Layers]	[Voltage]	[Color]	[Bracket]
STG50ML	1-1 Layers	12-DC12V	● R-Red	· None-Standard
STG50ML-BZ	2-2 Layers	24-DC24V	● A-Amber	· Bracket
STG50MLF	3-3 Layers	110/220-AC110V-220V	● G-Green	-LB18 -LW18
STG50MLF-BZ	4-4 Layers		● B-Blue	-QZ18 -SZ18
STG50L	5-5 Layers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

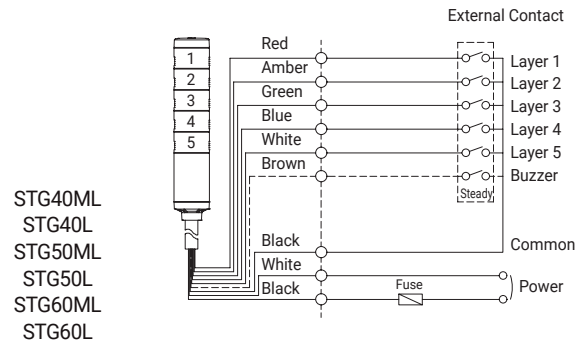
DC Steady



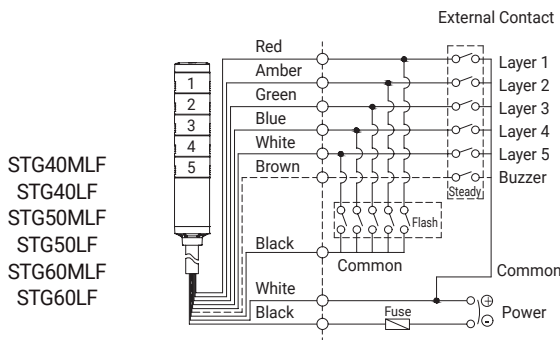
- STG □□ (M)L - Buzzer same wiring instruction
- STG □□ L
 - └ Lens diameter 40(40mm): STG40(M)L
 - 50(50mm): STG50(M)L
 - 60(60mm): STG60(M)L

Wiring Instructions

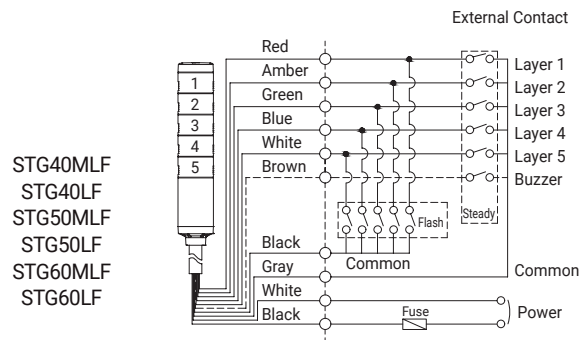
AC Steady



- 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

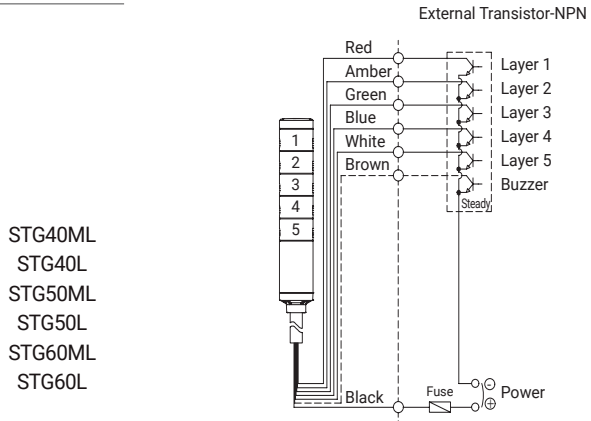
- DC steady type cable specification: External power line/External signal line UL1007 AWG22(0.3sq) 400mm
- AC steady, AC/DC steady/flashing type cable specification: External power line UL1015 AWG18(0.75sq) x 2C 400mm
External signal line UL1007 AWG22(0.3sq) 400mm

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.

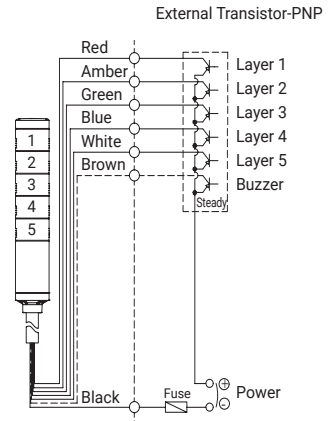
Wiring Instructions

DC Steady

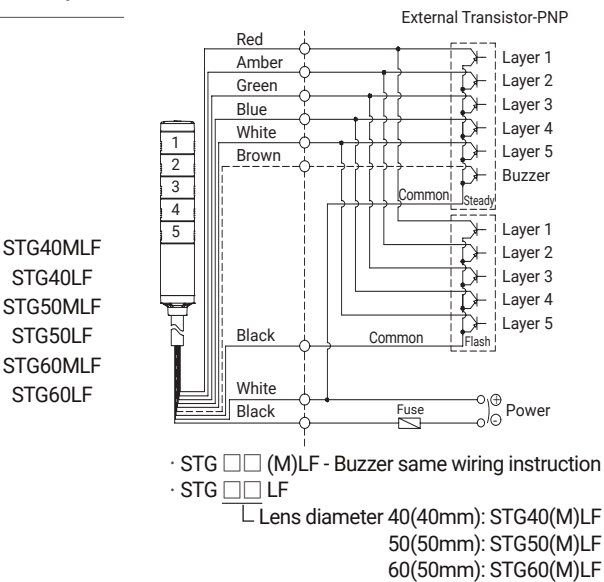
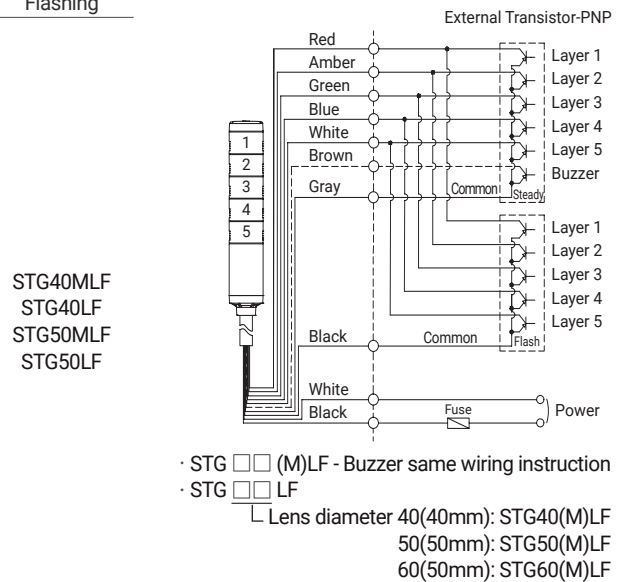


STG40ML
STG40L
STG50ML
STG50L
STG60ML
STG60L

- 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

AC Steady/
Flashing

- 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