

Ø60mm LED Steady/Flashing Tower Lights

STG60ML



PRODUCT SPECIFICATION

STG60ML | STG60L

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

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

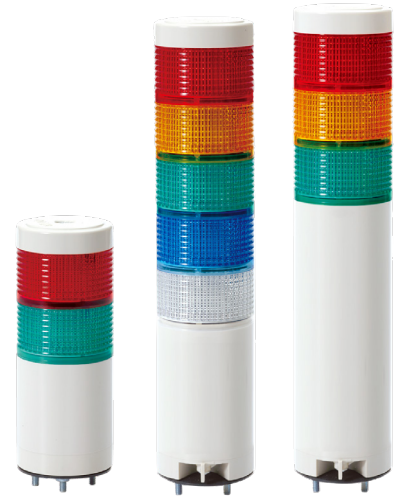
Volume Max.85dB at 1m

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

Flashing rate 60-80/min

Compliant with RoHS directive

- Ø60mm 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.



STG60ML 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)



STG60ML Ø60mm Direct mount, LED Steady/Flashing

Model number	Layers	Voltage	Certificates	Weight	Color
STG60ML Steady STG60ML-BZ Steady w/ built-in buzzer STG60MLF Steady/Flashing STG60MLF-BZ Steady/Flashing w/ built-in buzzer	1	DC12V DC24V AC110V-220V	CE UL	0.25kg 0.25kg 0.34kg	R-Red
	2	DC12V DC24V AC110V-220V		0.28kg 0.28kg 0.37kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.31kg 0.31kg 0.40kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.34kg 0.34kg 0.43kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.37kg 0.37kg 0.46kg	R-Red A-Amber G-Green B-Blue W-White

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

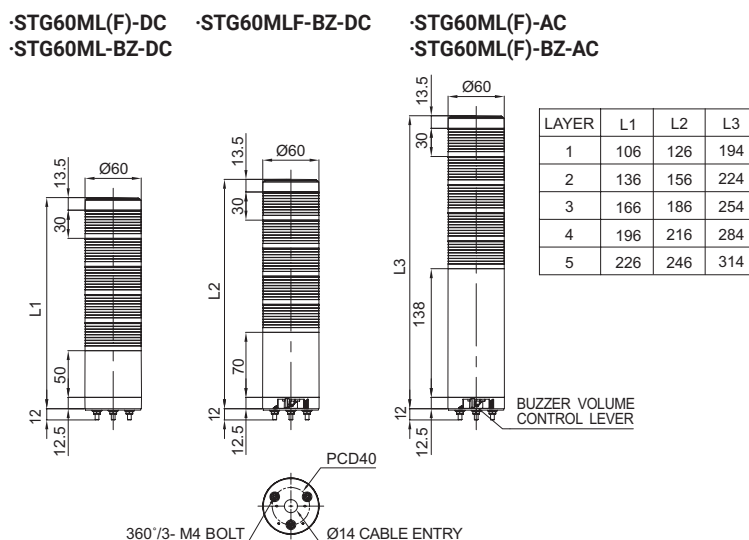
※ CE compliant: DC12, DC24V, UL Listed: DC24V

Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	85mA	60mA	Max.50mA
Buzzer current	40mA	75mA	Max.60mA

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

Ø60mm LED Steady/Flashing Tower Lights

STG60L



STG60L 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

STG60L Ø60mm Pole mount, LED Steady/Flashing

Model number	Layers	Voltage	Certificates	Weight	Color
STG60L Steady	1	DC12V	CE UL	0.40kg	● R-Red
		DC24V		0.40kg	
		AC110V-220V		0.48kg	
STG60L-BZ Steady w/built-in buzzer	2	DC12V		0.43kg	● R-Red ● G-Green
		DC24V		0.43kg	
		AC110V-220V		0.51kg	
STG60LF Steady/Flashing	3	DC12V		0.46kg	● R-Red ● A-Amber ● G-Green
		DC24V		0.46kg	
		AC110V-220V		0.54kg	
STG60LF-BZ Steady/Flashing w/ built-in buzzer	4	DC12V		0.49kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V		0.49kg	
		AC110V-220V		0.57kg	
	5	DC12V		0.52kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V		0.52kg	
		AC110V-220V		0.61kg	

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

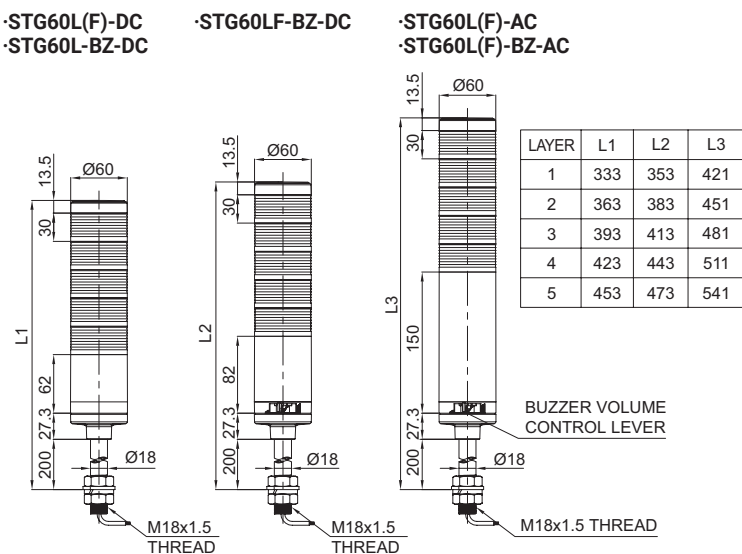
※ CE Compliant: DC12V, DC24V, UL Listed: DC24V

Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	85mA	60mA	Max.50mA
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

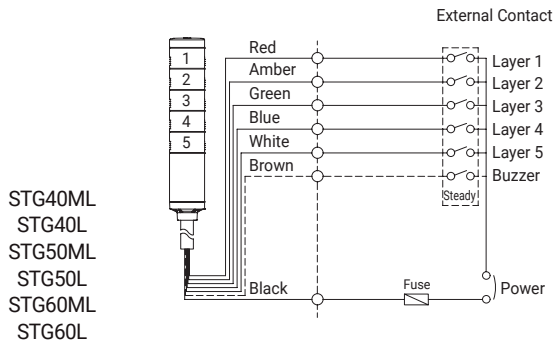
STG60L	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
STG60ML		1-1 Layer		12-DC12V		● R-Red		· None-Standard
STG60ML-BZ		2-2 Layers		24-DC24V		● A-Amber		· Bracket
STG60MLF		3-3 Layers		110/220		● G-Green		-LB18-LW18
STG60MLF-BZ		4-4 Layers		-AC110V-220V		● B-Blue		-QZ18-SZ18
STG60L		5-5 Layers				○ W-White		-QL18-SL18
STG60L-BZ								
STG60LF								
STG60LF-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

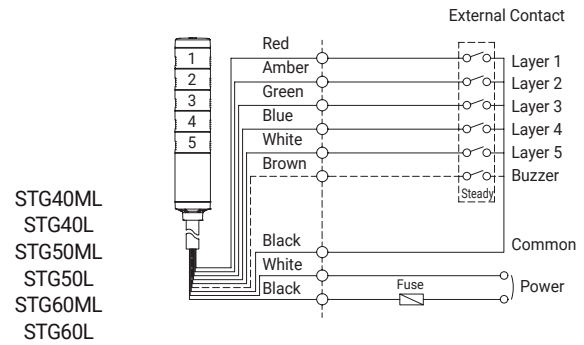
DC Steady



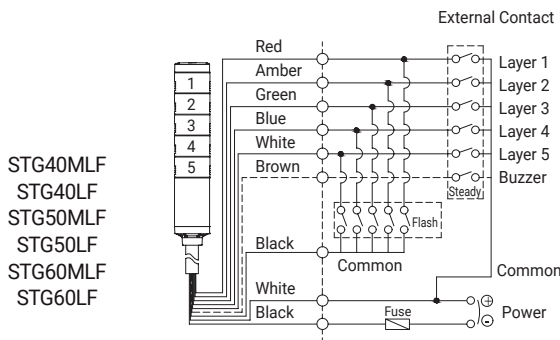
- STG □□ (M)L - Buzzer same wiring instruction
- STG □□ L
 - └ Lens diameter 40(40mm): STG40(M)L
 - 50(50mm): STG50(M)L
 - 60(60mm): STG60(M)L

Wiring Instructions

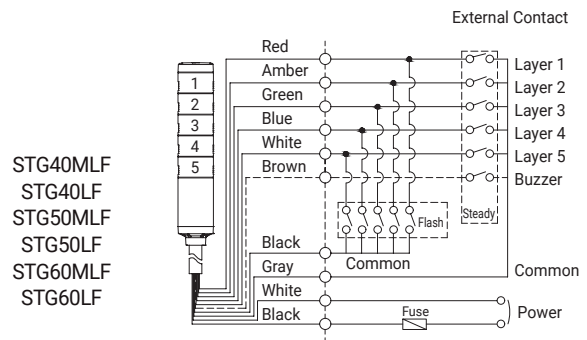
AC Steady



- 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(60mm): 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(60mm): STG60(M)LF

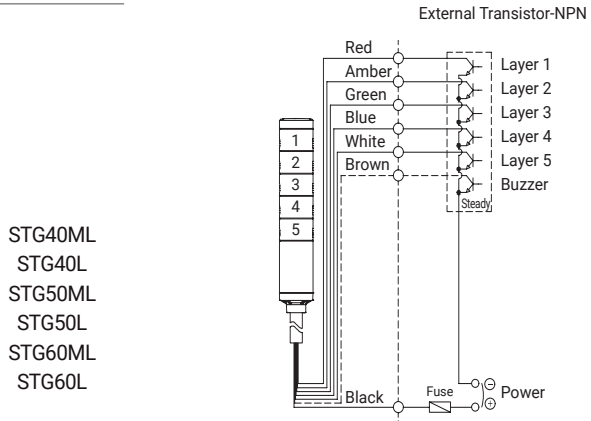
- DC steady type cable specification: External power line/External signal line - UL1007 AWG22(0.3sq) 400mm
- AC steady, AC/DC steady/flashing type cable specification: External power line - UL1015 AWG18(0.75sq) x 2C 400mm
External signal line - UL1007 AWG22(0.3sq) 400mm

Wiring Instructions(using transistor)

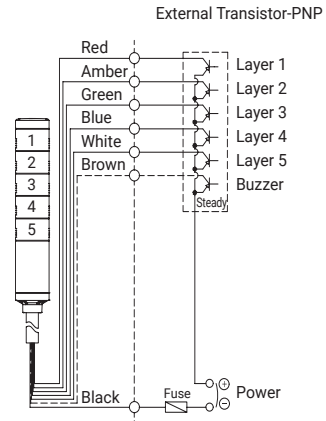
· In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please carefully follow wiring instructions below.

Wiring Instructions

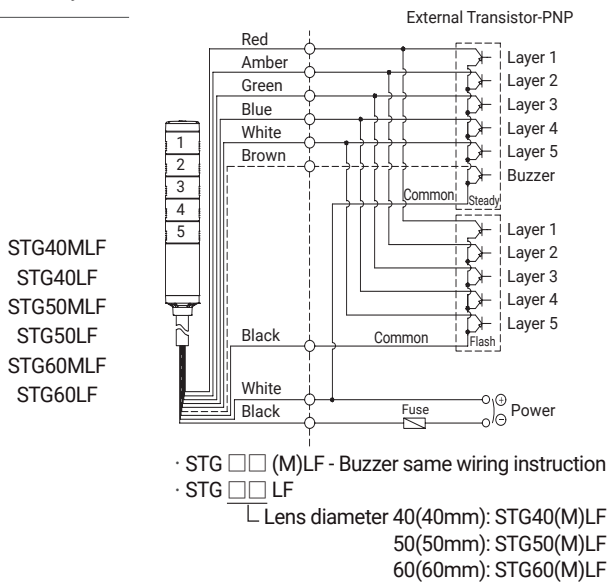
DC Steady



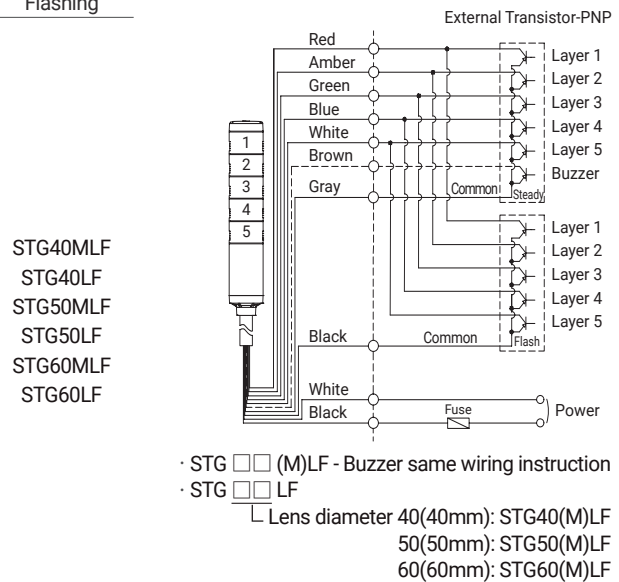
- STG □□ (M)L - Buzzer same wiring instruction
- STG □□ L
 - └ Lens diameter 40(40mm): STG40(M)L
 - 50(50mm): STG50(M)L
 - 60(60mm): STG60(M)L



DC Steady/Flas



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