STG50ML

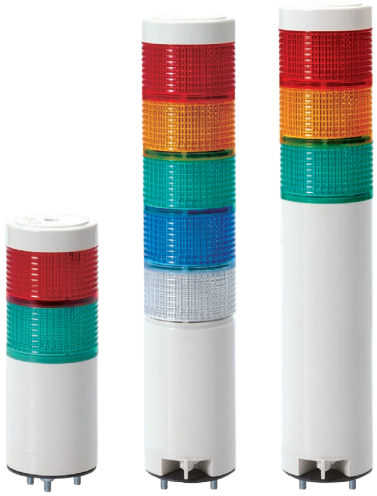
IP54 | IP65 | +50°C -30°C | BUZZER | 85dB | NPN | PNP | RoHS

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)



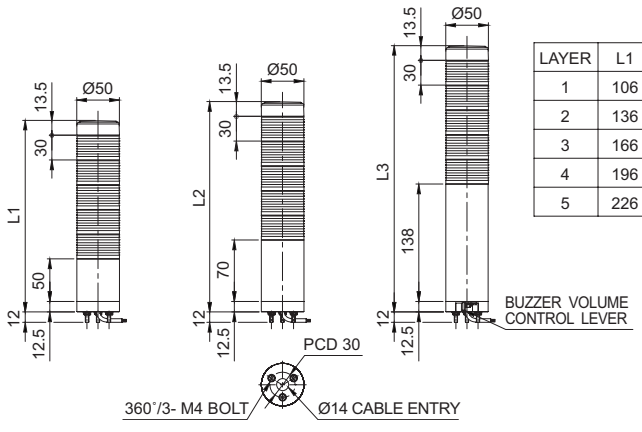
Light source/buzzer current(based on 1 layer)

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

Technical Diagram

·STG50ML(F)-DC ·STG50ML-BZ-DC ·STG50MLF-BZ-DC ·STG50ML(F)-AC ·STG50ML(F)-BZ-AC

Units : mm



LAYER	L1	L2	L3
1	106	126	194
2	136	156	224
3	166	186	254
4	196	216	284
5	226	246	314

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

STG50L

IP54 | IP65 | +50℃ -30℃ | BUZZER | 85dB | NPN | PNP | RoHS



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	SLB370
			
Al	ABS	Al	PC, Steel

※ 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 STG50L-BZ Steady w/built-in buzzer STG50LF Steady/Flashing STG50LF-BZ Steady/Flashing w/ built-in buzzer	1	DC12V DC24V AC110V-220V	CE UL	0.29kg 0.29kg 0.36kg	R-Red
	2	DC12V DC24V AC110V-220V		0.32kg 0.32kg 0.39kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.35kg 0.35kg 0.42kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.38kg 0.38kg 0.45kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.41kg 0.41kg 0.48kg	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

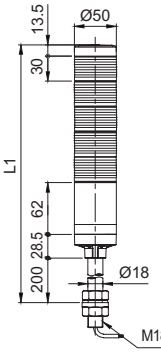
Light source/buzzer current(based on 1 layer)

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

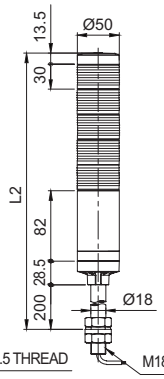
Technical Diagram

Units : mm

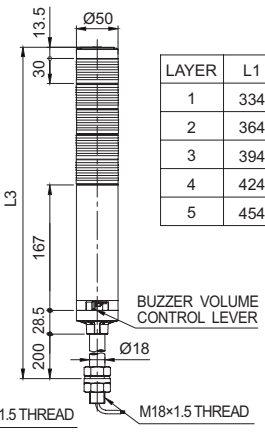
·STG50L(F)-DC
·STG50L-BZ-DC



·STG50LF-BZ-DC



·STG50L(F)-AC
·STG50L(F)-BZ-AC



LAYER	L1	L2	L3
1	334	354	422
2	364	384	452
3	394	414	482
4	424	444	512
5	454	474	542

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 Specification

STG50L	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
STG50ML STG50ML-BZ STG50MLF STG50MLF-BZ STG50L STG50L-BZ STG50LF STG50LF-BZ		1-1 Layer 2-2 Layers 3-3 Layers 4-4 Layers 5-5 Layers		12-DC12V 24-DC24V 110/220-AC110V-220V		R-Red A-Amber G-Green B-Blue W-White		· None-Standard · Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18 -SLB370

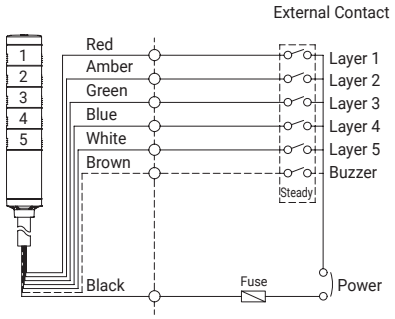
Wiring Instructions(using External Contact)

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

DC Steady

Wiring Instructions

STG40ML
STG40L
STG50ML
STG50L
STG60ML
STG60L

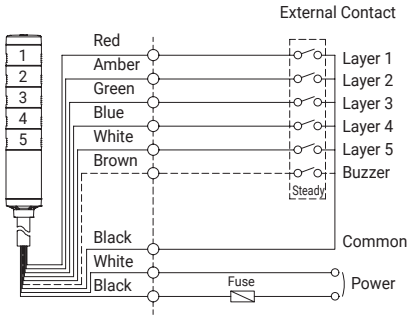


· STG □□ (M)L - Buzzer same wiring instruction
· STG □□ L
└ Lens diameter 40(40mm): STG40(M)L
50(50mm): STG50(M)L
60(60mm): STG60(M)L

AC Steady

Wiring Instructions

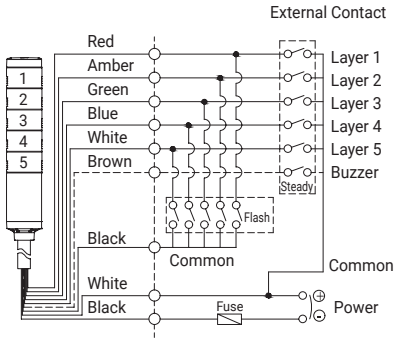
STG40ML
STG40L
STG50ML
STG50L
STG60ML
STG60L



· 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/ Flashing

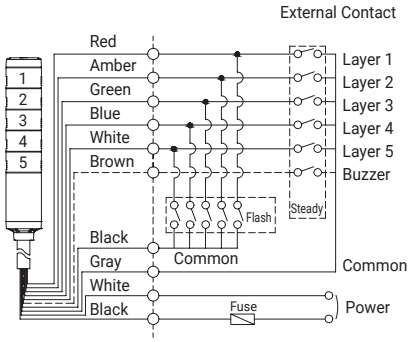
STG40MLF
STG40LF
STG50MLF
STG50LF
STG60MLF
STG60LF



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

STG Series

Wiring Instructions(using transistor)

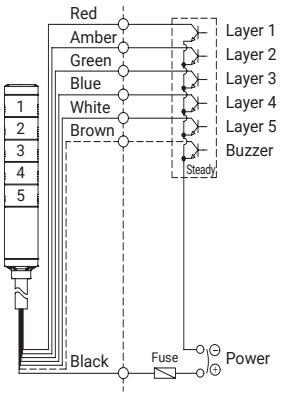
· In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please carefully follow wiring instructions below.

Wiring Instructions

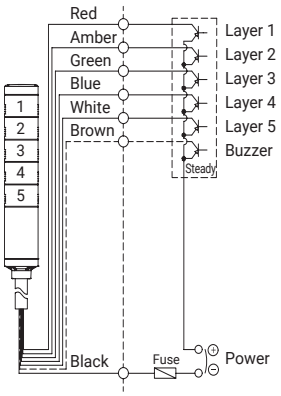
DC Steady

STG40ML
STG40L
STG50ML
STG50L
STG60ML
STG60L

External Transistor-NPN



External Transistor-PNP

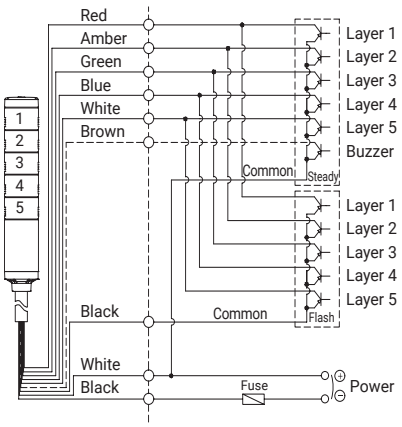


· STG □□ (M)L - Buzzer same wiring instruction
· STG □□ L
└ Lens diameter 40(40mm): STG40(M)L
50(50mm): STG50(M)L
60(60mm): STG60(M)L

DC Steady/Flas

STG40MLF
STG40LF
STG50MLF
STG50LF
STG60MLF
STG60LF

External Transistor-PNP

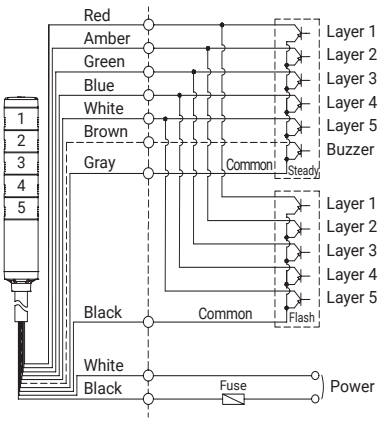


· STG □□ (M)LF - Buzzer same wiring instruction
· STG □□ LF
└ Lens diameter 40(40mm): STG40(M)LF
50(50mm): STG50(M)LF
60(60mm): STG60(M)LF

AC Steady/
Flashing

STG40MLF
STG40LF
STG50MLF
STG50LF
STG60MLF
STG60LF

External Transistor-PNP



· 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