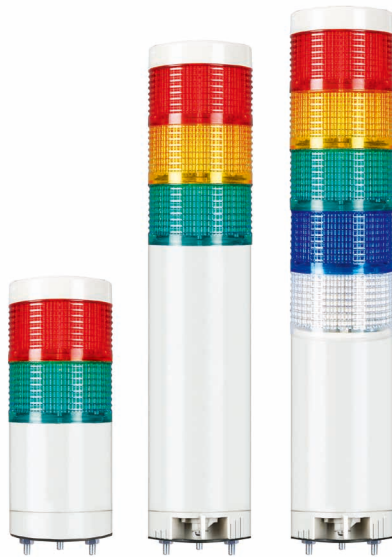


STG50ML

Ø50mm LED Steady/Flashing Tower Lights



STG50ML 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

- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- 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



Cable end M12 connector attached type



- Customized cable end M12 connector attached type available.



Common Specifications(STG50ML/ STG50L)

- 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
- Flashing rate : 60-80 flashes/min
- Customized color arrangement available(LED light distribution system and lens is integrated into a combined structure)
- Materials : Lens-AS, Housing-ABS, Pole-Al
- Ambient operating temperature : -30°C to +60°C
- Protection rating : Standard type-IP65, Built-in buzzer type-IP54
- Certificates : CE Compliant, UL Listed
- Pre-wired is standard Can customize the product with the M12 connector if requested
- Compliant with RoHS directive



STG50ML Ø50mm Direct Mount Type

Model number	Layer	Voltage	Current	Certificates	Weight	Color
STG50ML Steady STG50ML-BZ Steady /w built-in buzzer STG50MLF Steady/Flashing STG50MLF-BZ Steady/Flashing /w built-in buzzer	1	AC/DC12V AC/DC24V AC110V-220V	0.055A 0.050A Max. 0.040A	 DC24V only	0.20kg 0.20kg 0.22kg	● R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.110A 0.100A Max. 0.050A		0.28kg 0.28kg 0.30kg	● R-Red ● G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.165A 0.150A Max. 0.060A		0.36kg 0.36kg 0.38kg	● R-Red ● A-Amber ● G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.220A 0.200A Max. 0.070A		0.45kg 0.45kg 0.47kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.275A 0.250A Max. 0.080A		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.

Signal/ Audible Line Current(per each layer)

Voltage	AC/DC12V	AC/DC24V	AC110V-220V
Signal line current	0.055A	0.050A	Max. 0.040A
Audible line current	0.045A	0.065A	Max. 0.045A



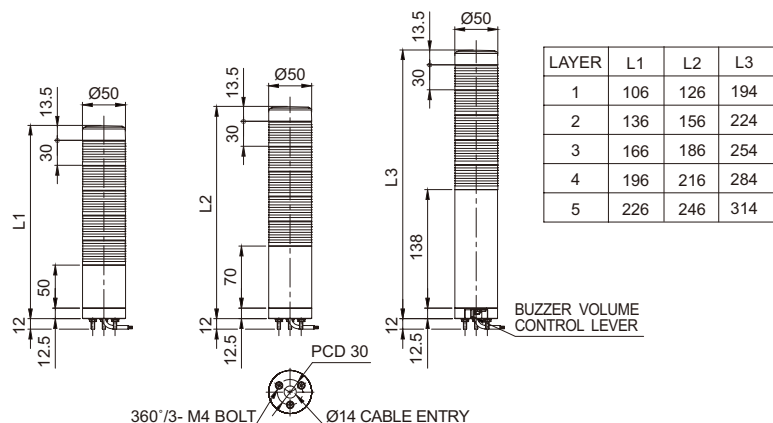
Technical Diagram

(Units : mm)

STG50ML : DC
STG50MLF : DC
STG50ML-BZ : DC

STG50MLF-BZ : DC

STG50ML : AC
STG50MLF : AC
STG50ML-BZ : AC
STG50MLF-BZ : AC



STG50L

Ø50mm LED Steady/Flashing Tower Lights



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

- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- Customized pole length available



Mounting Bracket

Standard	LB18	LW18	QZ18
Steel	Steel	PC	PC
SZ18	QL18	SL18	QLA18
Al	PC	Al	PC

※ Please refer to page 188-193 for detailed dimensions.



STG50L Ø50mm Pole Mount Type

Model number	Layer	Voltage	Current	Certificates	Weight	Color
STG50L Steady STG50L-BZ Steady /w built-in buzzer STG50LF Steady/Flashing STG50LF-BZ Steady/Flashing /w built-in buzzer	1	AC/DC12V AC/DC24V AC110V-220V	0.055A 0.050A Max. 0.040A	 DC24V only	0.36kg 0.36kg 0.38kg 0.38kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.110A 0.100A Max. 0.050A		0.43kg 0.43kg 0.45kg 0.45kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.165A 0.150A Max. 0.060A		0.53kg 0.53kg 0.55kg 0.55kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.220A 0.200A Max. 0.070A		0.59kg 0.59kg 0.61kg 0.61kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.275A 0.250A Max. 0.080A		0.67kg 0.67kg 0.69kg 0.69kg	• R-Red • A-Amber • G-Green • B-Blue • W-White

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



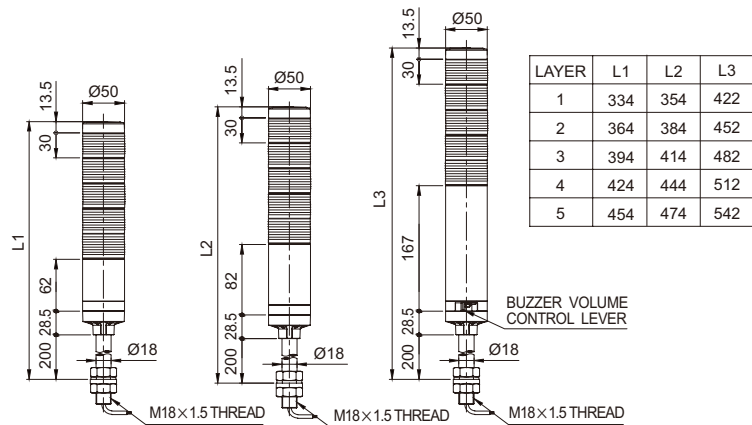
Technical Diagram

(Units : mm)

STG50L : DC
STG50LF : DC
STG50L-BZ : DC

STG50LF-BZ : DC

STG50L : AC
STG50LF : AC
STG50L-BZ : AC
STG50LF-BZ : AC



Wiring Instructions

- External power line : UL1015 AWG18(0.75sq)x2C 400mm
- External signal line : UL1007 AWG22(0.3sq) 400mm
- LED tower light can be wired by using transistor and external contact

※ Please refer to page 62-63 for detailed wiring instructions.



Ordering Specification

STG50L	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layer]		[Voltage]		[Color]		[Mounting bracket]
• STG50ML • STG50ML-BZ • STG50MLF • STG50MLF-BZ • STG50L • STG50L-BZ • STG50LF • STG50LF-BZ		• 1-1Layer • 2-2Layers • 3-3Layers • 4-4Layers • 5-5Layers		• 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 -QLA18

STG series

LED Steady/Flashing Tower Lights



Wiring Instructions(using transistor)

- Please wiring based below instruction in case of using external contact.

Applied products	Wiring Instructions	Applied products	Wiring Instructions
DC Steady	<p>STG40ML STG40L STG50ML STG50L</p> <ul style="list-style-type: none"> STGXXML - Same wiring including buzzer type STGXXL - Same wiring including buzzer type STGXXL <ul style="list-style-type: none"> Lens diameter 40(40mm) : STG40(M)L 50(50mm) : STG50(M)L 	AC Steady	<p>STG40ML STG40L STG50ML STG50L</p> <ul style="list-style-type: none"> STGXXML - Same wiring including buzzer type STGXXL - Same wiring including buzzer type STGXXL <ul style="list-style-type: none"> Lens diameter 40(40mm) : STG40(M)L 50(50mm) : STG50(M)L
DC Steady/Flashing	<p>STG40MLF STG40LF STG50MLF STG50LF</p> <ul style="list-style-type: none"> STGXXMLF - Same wiring including buzzer type STGXXLF - Same wiring including buzzer type STGXXLF <ul style="list-style-type: none"> Lens diameter 40(40mm) : STG40(M)LF 50(50mm) : STG50(M)LF 	AC Steady/Flashing	<p>STG40MLF STG40LF STG50MLF STG50LF</p> <ul style="list-style-type: none"> STGXXMLF - Same wiring including buzzer type STGXXLF - Same wiring including buzzer type STGXXLF <ul style="list-style-type: none"> Lens diameter 40(40mm) : STG40(M)LF 50(50mm) : STG50(M)LF

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

STG series

LED Steady/Flashing Tower Lights



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.

Applied products	Wiring Instructions	
DC Steady	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>EXTERNAL TRANSISTOR-NPN</p> <p>STG40ML STG40L STG50ML STG50L</p> <ul style="list-style-type: none"> • STGXXML - Same wiring including buzzer type • STGXXL - Same wiring including buzzer type • STGXXL <ul style="list-style-type: none"> └ Lens diameter 40(40mm) : STG40(M)L 50(50mm) : STG50(M)L </div> <div style="width: 45%;"> <p>EXTERNAL TRANSISTOR-PNP</p> </div> </div>	
DC Steady/Flashing	<p>EXTERNAL TRANSISTOR-PNP</p> <p>STG40MLF STG40LF STG50MLF STG50LF</p> <ul style="list-style-type: none"> • STGXXMLF - Same wiring including buzzer type • STGXXLF - Same wiring including buzzer type • STGXXLF <ul style="list-style-type: none"> └ Lens diameter 40(40mm) : STG40(M)LF 50(50mm) : STG50(M)LF 	<p>EXTERNAL TRANSISTOR-PNP</p> <p>STG40MLF STG40LF STG50MLF STG50LF</p> <ul style="list-style-type: none"> • STGXXMLF - Same wiring including buzzer type • STGXXLF - Same wiring including buzzer type • STGXXLF <ul style="list-style-type: none"> └ Lens diameter 40(40mm) : STG40(M)LF 50(50mm) : STG50(M)LF

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