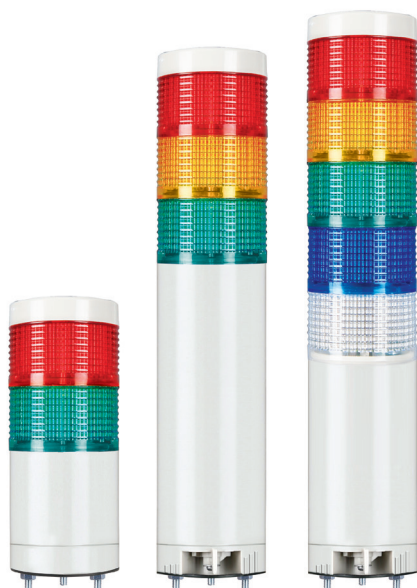


# STG50ML

## 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



### 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
- 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	0.040A 0.020A Max 0.035A	CE DC24V only	0.20kg 0.20kg 0.22kg 0.22kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.080A 0.040A Max 0.055A		0.28kg 0.28kg 0.30kg 0.30kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.120A 0.060A Max 0.075A		0.36kg 0.36kg 0.38kg 0.38kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.160A 0.080A Max 0.095A		0.45kg 0.45kg 0.47kg 0.47kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.200A 0.100A Max 0.115A		0.53kg 0.53kg 0.55kg 0.55kg	• R-Red • A-Amber • G-Green • B-Blue • W-White

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

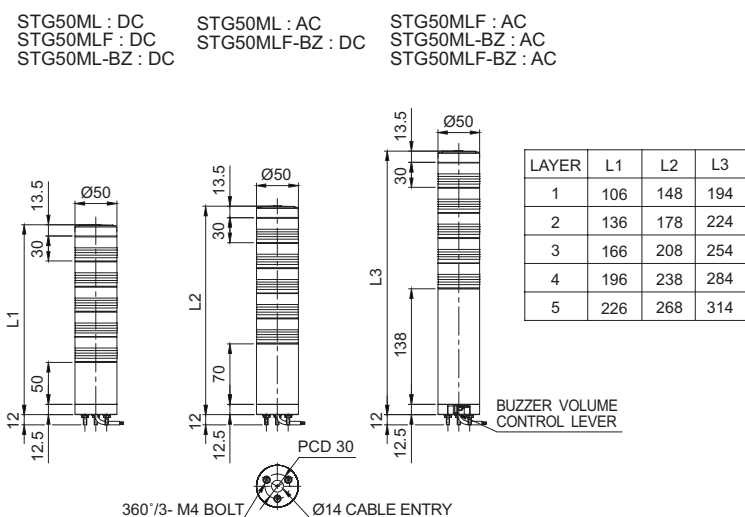
### Signal/ Audible Line Current(per each layer)

Voltage	AC/DC12V	AC/DC24V	AC110V-220V
Signal line current	0.040A	0.020A	Max 0.035A
Audible line current	0.016A	0.031A	Max 0.030A



### Technical Diagram

(Units : mm)



Warning/  
Signal/  
Stackable



Signal &  
Electric Horn/  
Speakers



Vessels and  
Heavy-Duty  
Equipment



Explosion  
Proof



Warning  
Light Bar



Aviation  
Obstruction  
Lights



Signal Tower  
Lights



USB/ETN  
Signal Tower  
Lights



Wireless  
Network  
System



Electric Horn/  
Speakers



Industrial  
LED Lights

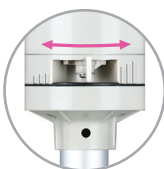
# STG50L

## 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 34-39 for detailed dimensions.

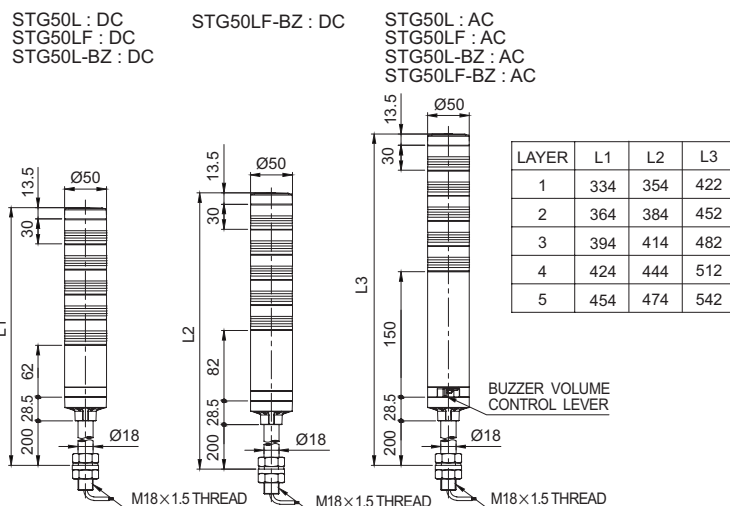
## STG50L Ø50mm Pole Mount Type

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	0.040A 0.020A Max 0.035A	CE DC24V only	0.36kg 0.36kg 0.38kg 0.38kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.080A 0.040A Max 0.055A		0.43kg 0.43kg 0.45kg 0.45kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.120A 0.060A Max 0.075A		0.53kg 0.53kg 0.55kg 0.55kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.160A 0.080A Max 0.095A		0.59kg 0.59kg 0.61kg 0.61kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.200A 0.100A Max 0.115A		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)



### Wiring Instructions

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

※ Please refer to page 305-306 for detailed wiring instructions.

### Ordering Specification

<b>STG50L</b>	-	<b>3</b>	-	<b>24</b>	-	<b>RAG</b>	-	<b>LW18</b>
[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 external contact)

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

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



Warning/  
Signal/  
Stackable



Signal &  
Electric Horn/  
Speakers



Vessels and  
Heavy-Duty  
Equipment



Explosion  
Proof



Warning  
Light Bar



Aviation  
Obstruction  
Lights



Signal Tower  
Lights



USB/ETN  
Signal Tower  
Lights



Wireless  
Network  
System



Electric Horn/  
Speakers



Industrial  
LED Lights

# STG series

## LED Steady/Flashing Tower Lights



### Wiring Instructions(using external contact)

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

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