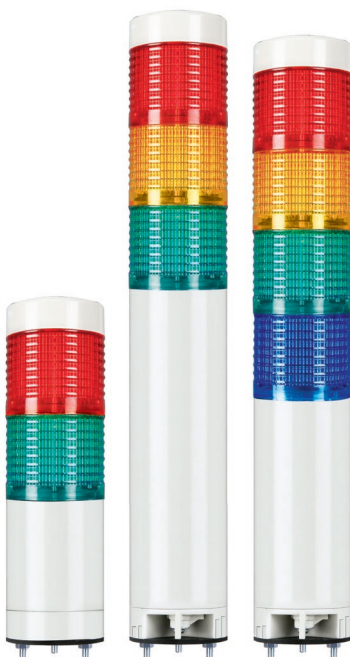


# STG40ML

## Ø 40mm LED Steady/Flashing Tower Lights



STG40ML 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

• 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(STG40ML/ STG40L)

- Ø 40mm LED steady/flashing tower lights
- The special vertical contact structure of the lens allows for easy assembly and disassembly
- Can select between standard type and built-in buzzer type to fit your application needs
- Can be used with an NPN open collector transistor driven input which allows direct connection to a PLC
- 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



### STG40ML Ø40mm Direct Mount Type

Model number	Layer	Voltage	Current	Certificates	Weight	Color
STG40ML Steady STG40ML-BZ Steady w/ built-in buzzer STG40MLF Steady/Flashing STG40MLF-BZ Steady/Flashing w built-in buzzer	1	AC/DC12V AC/DC24V AC110V-220V	0.075A 0.045A Max. 0.040A	 DC only  DC24V only	0.12kg 0.12kg 0.14kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.150A 0.095A Max. 0.050A		0.19kg 0.19kg 0.21kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.225A 0.145A Max. 0.060A		0.25kg 0.25kg 0.27kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.300A 0.190A Max. 0.070A		0.31kg 0.31kg 0.33kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.375A 0.235A Max. 0.080A		0.36kg 0.36kg 0.38kg	• 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	0.075A	0.045A	Max 0.040A
Audible line current	0.045A	0.065A	Max 0.040A



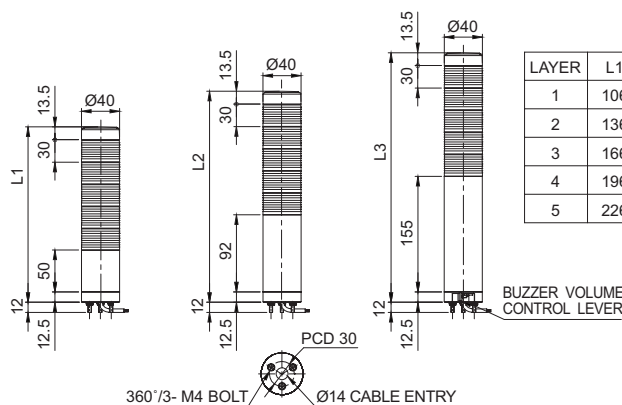
### Technical Diagram

(Units : mm)

STG40ML : DC  
STG40MLF : DC  
STG40ML-BZ : DC

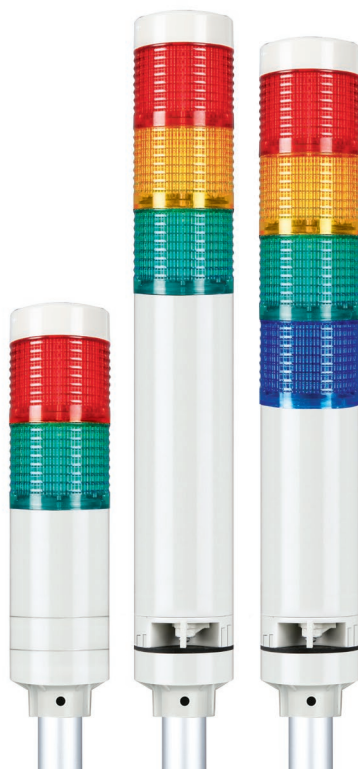
STG40ML : AC  
STG40MLF-BZ : DC

STG40MLF : AC  
STG40ML-BZ : AC  
STG40MLF-BZ : AC



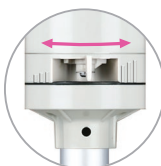
# STG40L

## Ø40mm LED Steady/Flashing Tower Lights



STG40L 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)



### STG40L Ø40mm Pole Mount

Model number	Layer	Voltage	Current	Certificates	Weight	Color
STG40L Steady STG40L-BZ Steady w/ built-in buzzer STG40LF Steady/Flashing STG40LF-BZ Steady/Flashing /w built-in buzzer	1	AC/DC12V AC/DC24V AC110V-220V	0.075A 0.045A Max 0.040A	  DC only DC24V only	0.29kg 0.29kg 0.31kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.150A 0.095A Max 0.050A		0.33kg 0.33kg 0.36kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.225A 0.145A Max 0.060A		0.38kg 0.38kg 0.40kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.300A 0.190A Max 0.070A		0.45kg 0.45kg 0.47kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.375A 0.235A Max 0.080A		0.51kg 0.51kg 0.53kg	• R-Red • A-Amber • G-Green • B-Blue • W-White

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

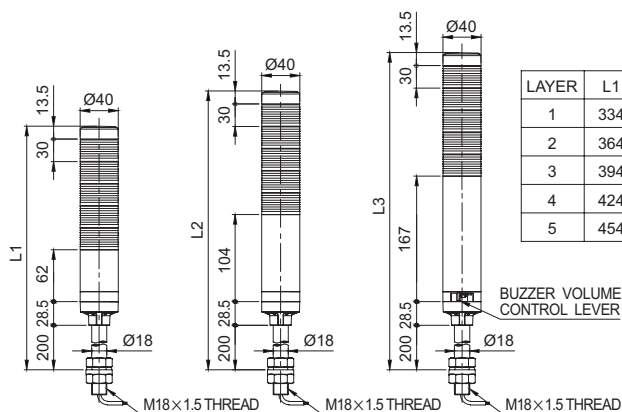
#### Technical Diagram

(Units : mm)

STG40L : DC  
STG40LF : DC  
STG40L-BZ : DC

STG40L : AC  
STG40LF-BZ : DC

STG40LF : AC  
STG40L-BZ : AC  
STG40LF-BZ : AC



#### Customization

- 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 190-195 for detailed dimensions.

#### 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 instruction.

#### Ordering Specification

<b>STG40L</b>	-	<b>3</b>	-	<b>24</b>	-	<b>RAG</b>	-	<b>LW18</b>
[Model number]		[Layer]		[Voltage]		[Color]		[Mounting bracket]
• STG40ML • STG40ML-BZ • STG40MLF • STG40MLF-BZ • STG40L • STG40L-BZ • STG40LF • STG40LF-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>EXTERNAL CONTACT</p> <p>Red(R) Layer 1 Amber(A) Layer 2 Green(G) Layer 3 Blue(B) Layer 4 White(W) Layer 5 Brown(BN) Buzzer Black(BK) Common White(W) Steady Black(BK) Power</p> <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>EXTERNAL CONTACT</p> <p>Red(R) Layer 1 Amber(A) Layer 2 Green(G) Layer 3 Blue(B) Layer 4 White(W) Layer 5 Brown(BN) Buzzer Black(BK) Common White(W) Steady Black(BK) Power</p> <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>EXTERNAL CONTACT</p> <p>Red(R) Layer 1 Amber(A) Layer 2 Green(G) Layer 3 Blue(B) Layer 4 White(W) Layer 5 Brown(BN) Buzzer Black(BK) Common White(W) Steady Black(BK) Power</p> <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>EXTERNAL CONTACT</p> <p>Red(R) Layer 1 Amber(A) Layer 2 Green(G) Layer 3 Blue(B) Layer 4 White(W) Layer 5 Brown(BN) Buzzer Black(BK) Common Gray(GR) Steady White(W) Flash Black(BK) Power</p> <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, 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	<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>	
DC Steady/Flashing	<p>EXTERNAL TRANSISTOR-PNP</p> <p>EXTERNAL TRANSISTOR-PNP</p>	<p>AC Steady/Flashing</p> <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>	<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, 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