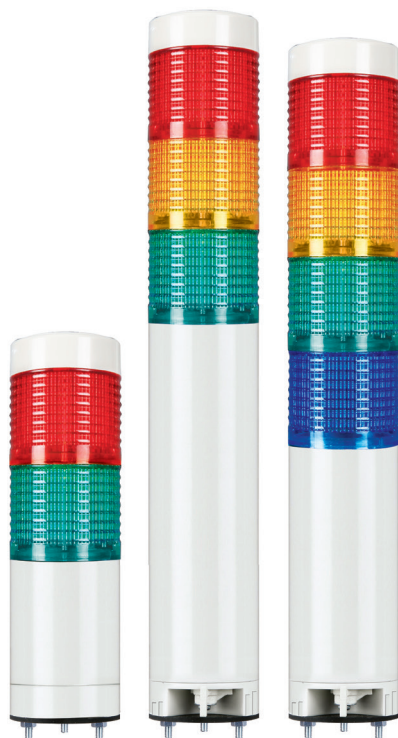


STG40ML

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

- 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(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
- 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	0.077A 0.047A Max 0.039A	CE DC24V only UL DC24V only	0.12kg 0.12kg 0.14kg 0.14kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.154A 0.094A Max 0.049A		0.19kg 0.19kg 0.21kg 0.21kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.231A 0.141A Max 0.058A		0.25kg 0.25kg 0.27kg 0.27kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.308A 0.188A Max 0.067A		0.31kg 0.31kg 0.33kg 0.33kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.385A 0.235A Max 0.076A		0.36kg 0.36kg 0.38kg 0.38kg	• R-Red • A-Amber • G-Green • B-Blue • W-White

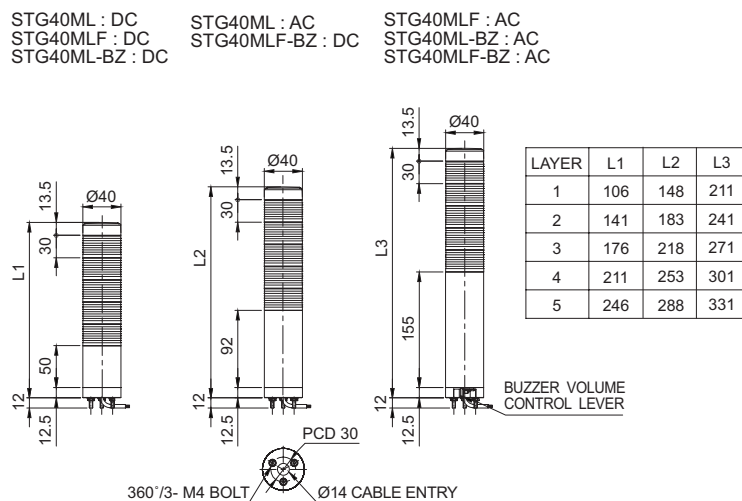
* AC type model has a free-voltage range of 100V-240V.

Signal/ Audible Line Current(per each layer)

Voltage	AC/DC12V	AC/DC24V	AC110V-220V
Signal line current	0.077A	0.047A	Max 0.039A
Audible line current	0.043A	0.064A	Max 0.041A

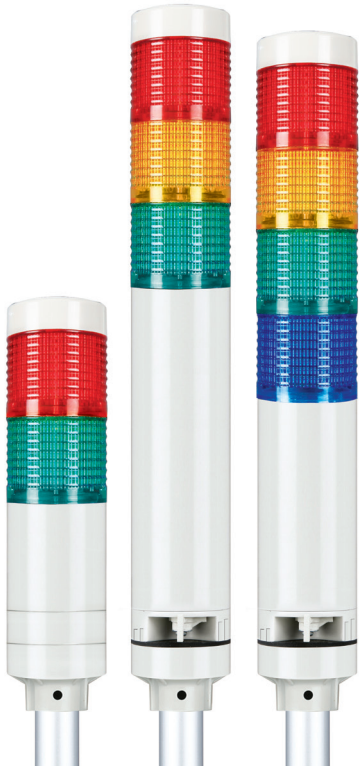
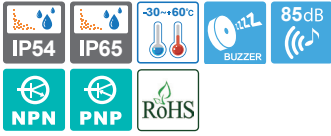
Technical Diagram

(Units : mm)



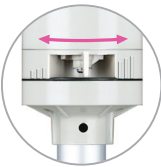
STG40L

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)



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 162-167 for detailed dimensions.

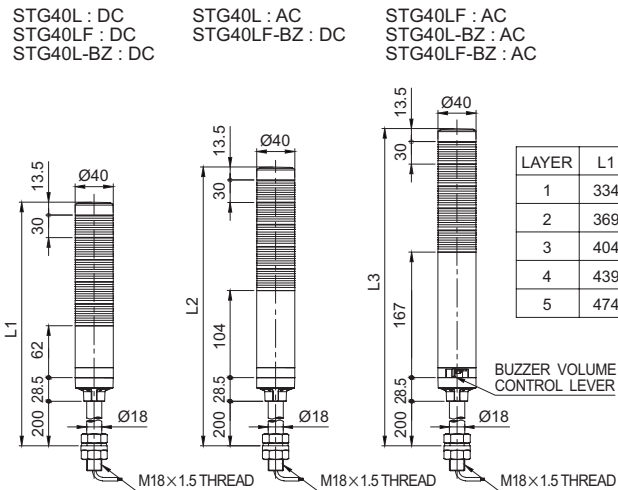
STG40L Ø40mm Pole Mount

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	0.077A 0.047A Max 0.039A	CE DC24V only	0.29kg 0.29kg 0.31kg 0.31kg	• R-Red
	2	AC/DC12V AC/DC24V AC110V-220V	0.154A 0.094A Max 0.049A		0.33kg 0.33kg 0.36kg 0.36kg	• R-Red • G-Green
	3	AC/DC12V AC/DC24V AC110V-220V	0.231A 0.141A Max 0.058A	UL DC24V only	0.38kg 0.38kg 0.40kg 0.40kg	• R-Red • A-Amber • G-Green
	4	AC/DC12V AC/DC24V AC110V-220V	0.308A 0.188A Max 0.067A		0.45kg 0.45kg 0.47kg 0.47kg	• R-Red • A-Amber • G-Green • B-Blue
	5	AC/DC12V AC/DC24V AC110V-220V	0.385A 0.235A Max 0.076A	0.51kg 0.51kg 0.53kg 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)



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 61-62 for detailed wiring instruction.

Ordering Specification

STG40L	-	3	-	24	-	RAG	-	LW18
[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>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, 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

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"> • 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 └ Lens diameter 50(50mm) : STG50(M)L 	
DC Steady/Flashing	<p>EXTERNAL TRANSISTOR-PNP</p>	<p>EXTERNAL TRANSISTOR-PNP</p>
STG40MLF STG40LF STG50MLF STG50LF	<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 └ Lens diameter 50(50mm) : STG50(M)LF 	<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 └ Lens diameter 50(50mm) : STG50(M)LF

- 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