



## PRODUCT SPECIFICATION

STA45SLM | STA45SLMP

**Materials** Lens-Acrylic, Inner lens-AS, Housing-Al  
**Ambient operating temperature** -30°C to +50°C  
**Volume** Max.90dB at 1m  
**Protection rating**  
 Standard type-IP44, Built-in buzzer type-IP23

- Ø45mm direct mount/pole mount tower lights
- Aluminum housing displays a unique metallic luster that defines a high class product
- Excellent visibility by using a high brightness LED with a special diffusion lens
- Lens maintains a semi-transparent color when not emitting the specific color of the signal under operation
- Steady mode only with fixed user selected color arrangement (can operate flashing mode with External Contact)
- Easy mounting with the bolts/screws located at the bottom of the product
- Standard model and built-in buzzer model can be used by selecting the specifications suitable for the operating environment.

### STA45SLM Ø45mm Direct mount, LED Steady

Model number	Layers	Voltage	Certificates	Weight	Color
STA45SLM Steady STA45SLM-BZ Steady w/ built-in buzzer	1	DC12V DC24V	CE UL	0.50kg	● R-Red
	2	DC12V DC24V		0.54kg	● R-Red ● G-Green
	3	DC12V DC24V		0.58kg	● R-Red ● A-Amber ● G-Green
	4	DC12V DC24V		0.63kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	5	DC12V DC24V		0.68kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White

※ CE Compliant: DC24V, UL Listed: DC24V

### Light source/buzzer current(based on 1 layer)

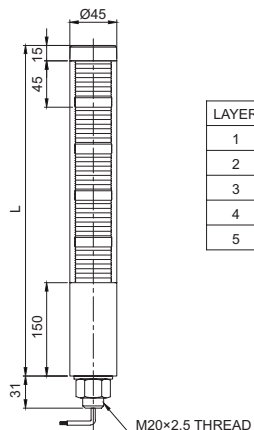
Voltage	DC12V	DC24V
Light source current(1 layer)	100mA	50mA
Buzzer current	40mA	75mA

### Technical Diagram

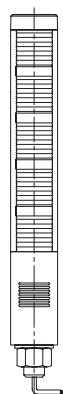
·STA45SLM

·STA45SLM-BZ

Units : mm



LAYER	L
1	198
2	243
3	288
4	333
5	378



STA45SLM Series

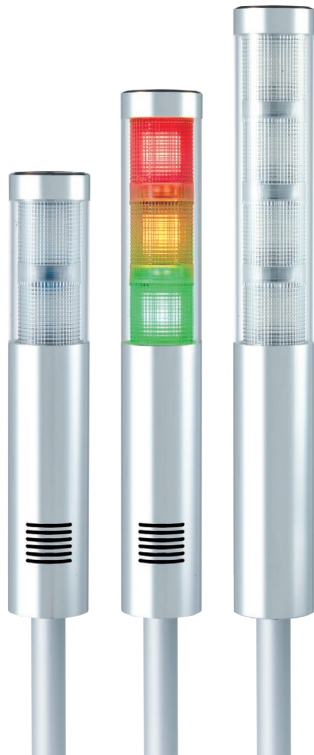
### Customization

- Wall mount bracket options :  
Used for mounting on the vertical surface



Wall mount bracket  
STAWB45

# STA45SLMP



STA45SLMP Series

## STA45SLMP Ø45mm Pole mount, LED Steady

Model number	Layers	Voltage	Certificates	Weight	Color
STA45SLMP Steady STA45SLMP-BZ Steady w/ built-in buzzer	1	DC12V DC24V	CE UL	0.56kg	● R-Red
	2	DC12V DC24V		0.60kg	● R-Red ● G-Green
	3	DC12V DC24V		0.64kg	● R-Red ● A-Amber ● G-Green
	4	DC12V DC24V		0.69kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	5	DC12V DC24V		0.74kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White

※ CE Compliant: DC24V, UL Listed: DC24V

### Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V
Light source current(1 layer)	100mA	50mA
Buzzer current	40mA	75mA

### Mounting bracket

Standard	LB18	LW18	QZ18
Steel	Steel	ABS	ABS
SZ18	QL18	SL18	
Al	ABS	Al	

※ Please refer to [Tower Light Mounting bracket] on this catalogue for detailed dimensions

### Wiring Instructions

- External power line/External signal line  
UL1007 AWG22(0.3sq) 400mm

### Customization

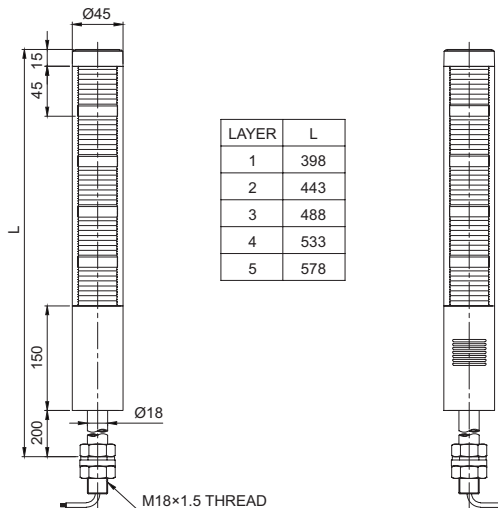
- Customized pole length available

### Technical Diagram

Units : mm

·STA45SLMP

·STA45SLMP-BZ



### Ordering Specifications

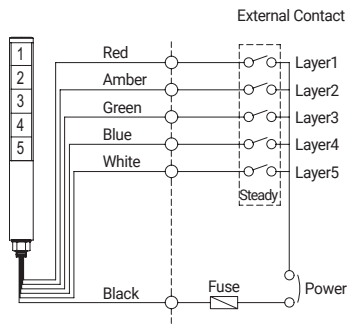
STA45SLMP	-	3	-	24	-	RAG	-	QZ18
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
STA45SLM		1-1 Layers		12-DC12V		● R-Red		None-Standard
STA45SLM-BZ		2-2 Layers		24-DC24V		● A-Amber		Bracket
STA45SLMP		3-3 Layers				● G-Green		-LB18 -LW18
STA45SLMP-BZ		4-4 Layers				● B-Blue		-QZ18 -SZ18
		5-5 Layers				○ W-White		-QL18 -SL18

Wiring Instructions

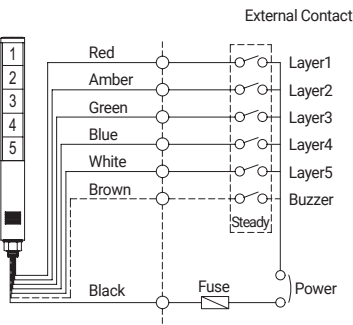
- STA25SLM, STA35SL, STA35SLM and STA45SLM can be wired by using both External Contact and transistor.
- In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please carefully follow wiring instructions below.

External Contact

·STA25SLM-DC  
·STA35SL-DC / STA35SLM-DC



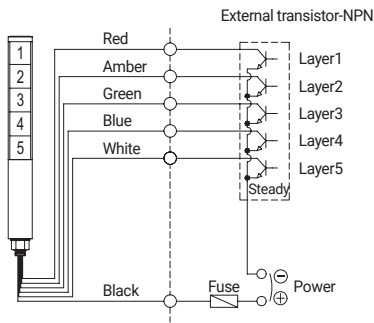
·STA45SLM / ST45SLMP-DC



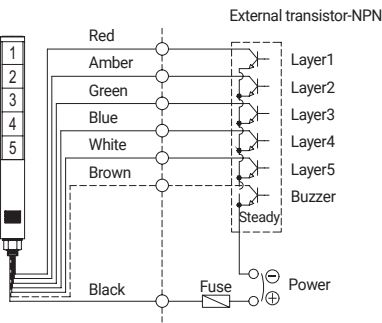
Transistor(I/O)

·STA25SLM-DC  
·STA35SL-DC / STA35SLM-DC

NPN  
Transistor

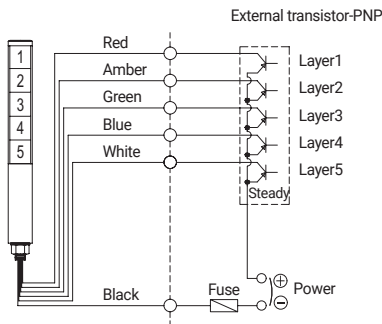


·STA45SLM / ST45SLMP-DC

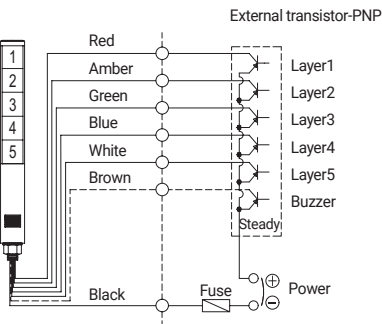


·STA25SLM-DC  
·STA35SL-DC / STA35SLM-DC

PNP  
Transistor



·STA45SLM / ST45SLMP-DC



Wiring Instructions

- External power line/External signal line UL1007 AWG22(0.3sq) 400mm

Transistor Rating

Model number	NPN or PNP
Withstanding voltage	$V_c \geq 35V$
Current	$I_c \geq 300mA$
Leakage current	$0.1mA \geq I_L$