STC45ML

IP23 | IP44 | +60℃ -30℃ | BUZZER | 90dB | NPN | PNP | RoHS

PRODUCT SPECIFICATION

STC45(M)L | STC56(M)L
STC80(M)L

Materials Lens-PC, Housing-ABS, Pole-Al
Ambient operating temperature -30°C to + 60°C
Volume Max.90dB at 1m
Protection rating Standard type-IP44, Built-in buzzer type-IP23
Flashing rate 60-80/min
Compliant with RoHS directive

- Economical tower light model that can deliver two to three signals with one layer
- Long product lifetime of over 20,000 hours with the application of a high intensity multiple color LED light source
- Can select from size of Ø45mm, Ø56mm, and Ø80mm to fit your sophisticated application needs
- A variety of Mounting bracket selections for the pole mount type to fit your location and mounting needs
- Customized 2 buzzer sound type available
- M12 connector type is optionally available(Female M12 connector is not provided)
- Standard model and built-in buzzer model can be used by selecting the specifications suitable for the operating environment.



STC45ML Series



Built-in buzzer output holes formed on the housing of the product

STC45ML Ø45mm Direct Mount, Multiple Color LED Steady/Flashing

Model number	Colors	Voltage	Certificates	Weight	Color
STC45ML Steady STC45ML-BZ Steady w/built-in buzzer	2	DC12V DC24V AC110V AC220V	CE	0.19kg	R-Red G-Green
STC45MLF Steady/Flashing STC45MLF-BZ Steady/Flashing w/built-in buzzer	3	DC12V DC24V AC110V AC220V		0.32kg	R-Red A-Amber G-Green

※ CE Compliant: DC24V

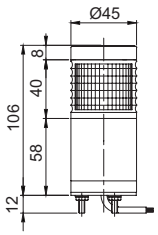
Light source/buzzer current(Each LED module's current)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current	95mA	100mA	30mA	15mA
Buzzer current	40mA	75mA	25mA	15mA

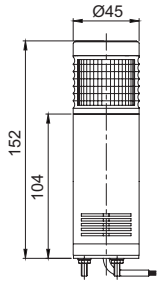
Technical Diagram

Units : mm

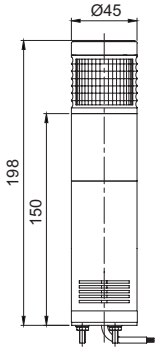
·STC45ML-DC

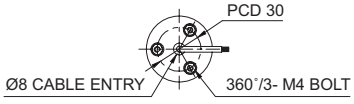


·STC45ML-AC
·STC45MLF-AC/DC
·STC45ML(F)-BZ-DC



·STC45ML(F)-BZ-AC





Ordering Specification

STC45ML	-	3	-	220	-	RAG

[Model number]	[Colors]	[Voltage]	[Color]
STC45ML STC45ML-BZ STC45MLF STC45MLF-BZ	2-2 Colors 3-3 Colors	12-DC12V 24-DC24V 110-AC110V 220-AC220V	R-Red A-Amber G-Green

Customization

- Available in customized color arrangements
- M12 connector attached type
- 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

WiringInstructions

- External power line
  - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line
  - UL1007 AWG22(0.3sq) 400mm

STC45L

IP23 | IP44 | +60℃ -30℃ | BUZZER | 90dB | NPN | PNP | RoHS



STC45L Series

Built-in buzzer output holes formed on the housing of the product



STC45L Ø45mm Pole Mount, Multiple Color LED Steady/Flashing

Model number	Colors	Voltage	Certificates	Weight	Color
STC45L Steady STC45L-BZ Steady w/built-in buzzer STC45LF Steady/Flashing	2	DC12V DC24V AC110V AC220V	CE	0.33kg	R-Red G-Green
STC45LF-BZ Steady/Flashing w/built-in buzzer	3	DC12V DC24V AC110V AC220V	CE	0.47kg	R-Red A-Amber G-Green

※ CE Compliant: DC24V

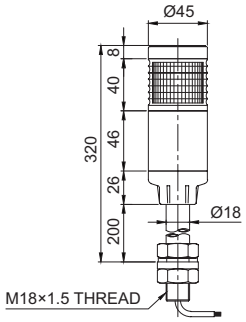
Light source/buzzer current(Each LED module's current)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current	95mA	100mA	30mA	15mA
Buzzer current	40mA	75mA	25mA	15mA

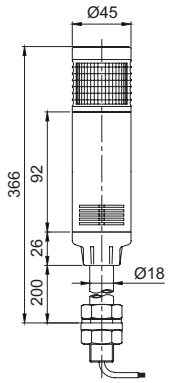
Technical Diagram

Units : mm

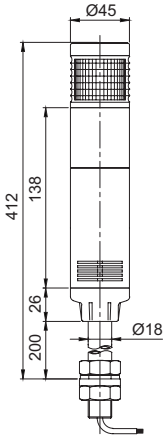
·STC45L-DC



·STC45L-AC
·STC45LF-AC/DC
·STC45L(F)-BZ-DC



·STC45L(F)-BZ-AC



Customization

- 2 buzzer sound types : Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available
- Available in customized color arrangements
- M12 connector attached type
- Customized pole length available

Mounting bracket

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18	SLB370
							
Steel	Steel	ABS	ABS	Al	ABS	Al	PC, Steel

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

Ordering Specification

STC45L	-	3	-	24	-	RAG	-	LW18
[Model number] STC45L STC45L-BZ STC45LF STC45LF-BZ		[Colors] 2-2 Colors 3-3 Colors		[Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V		[Color] R-Red A-Amber G-Green		[Bracket] · None-Standard · Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18 -SLB370

Wiring Instructions

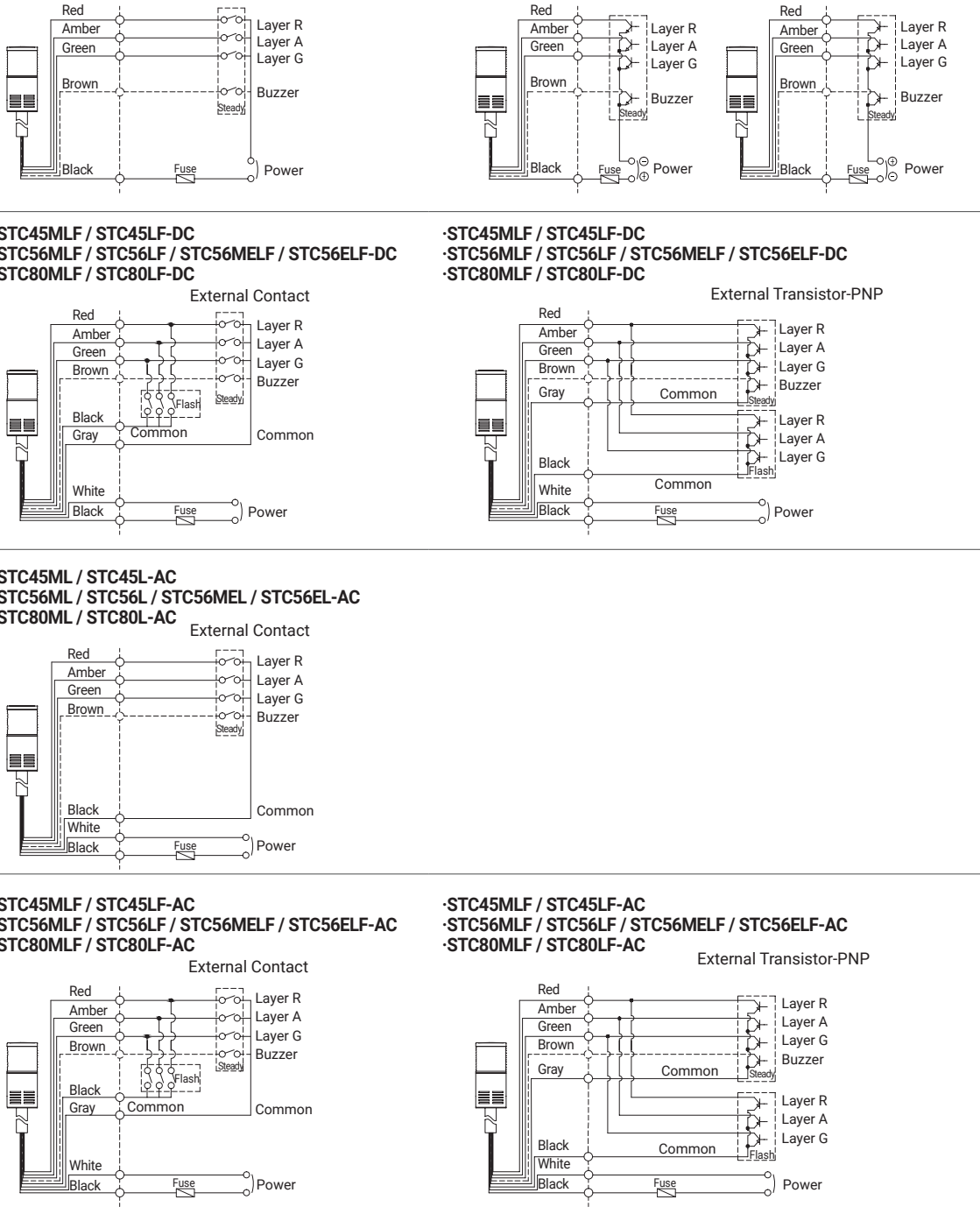
- External power line
  - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line
  - UL1007 AWG22(0.3sq) 400mm

STC Series

Wiring Instructions

· STC Series 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 instruction below.
· Product can be wired regardless of polarity.

	External Contact	Transistor
DC Steady	·STC45ML / STC45L-DC ·STC56ML / STC56L / STC56MEL / STC56EL-DC ·STC80ML / STC80L-DC External Contact	·STC45ML / STC45L-DC ·STC56ML / STC56L / STC56MEL / STC56EL-DC ·STC80ML / STC80L-DC External Transistor-NPN / External Transistor-PNP
DC Steady/Flashing	·STC45MLF / STC45LF-DC ·STC56MLF / STC56LF / STC56MELF / STC56ELF-DC ·STC80MLF / STC80LF-DC External Contact	·STC45MLF / STC45LF-DC ·STC56MLF / STC56LF / STC56MELF / STC56ELF-DC ·STC80MLF / STC80LF-DC External Transistor-PNP
AC Steady	·STC45ML / STC45L-AC ·STC56ML / STC56L / STC56MEL / STC56EL-AC ·STC80ML / STC80L-AC External Contact	
AC Steady/Flashing	·STC45MLF / STC45LF-AC ·STC56MLF / STC56LF / STC56MELF / STC56ELF-AC ·STC80MLF / STC80LF-AC External Contact	·STC45MLF / STC45LF-AC ·STC56MLF / STC56LF / STC56MELF / STC56ELF-AC ·STC80MLF / STC80LF-AC External Transistor-PNP



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