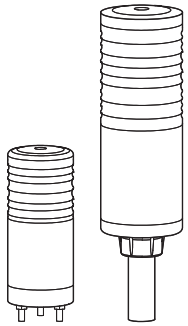
Multiple Color LED Steady/Flashing Tower Lights

STC45/ 56/ 80(M)L



IP23 IP44 -30~+60℃ BUZZER 90dB NPN PNP RoHS2

Thank you for purchasing Qlight's products. Please read this user manual carefully prior to installation and operation to ensure safe and correct use.

⚠ Precautions for Safety

Failure to follow the instructions below may cause a loss of life or serious physical injury.

1. During wiring or maintenance, please completely turn off the power of the product. (Failure to follow this may lead to an electric shock.)
2. Do not install the product in locations that subjects it to excessive dust or water other than the conditions designated by the IP protection ratings indicated for each product. (Failure to follow these instructions may cause a fire to the product, electric shock, physical injury, malfunction or damage to the product.)
3. Do not alter or repair this product. If maintenance or repair service is required, please contact your local Qlight contact point. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
4. Please apply the correct voltage to the product. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
5. When the product is applied to a condition that may impact lives or property, please make sure to have a double safety device. (Failure to follow this may cause damage to property, fire, electric shock and loss of life.)

⚠ Precautions for Correct Use

Failure to follow the proper instructions may cause damage to property, the product, or malfunction of the product that would void the warranty.

1. Please remove any objects that can interrupt ventilation around the product.
2. Please turn off the power of the product immediately if it fails to operate properly.
3. Carefully wire the product according to each product's specification.
4. Please be careful in preventing chemicals such as thinner, benzene, etc. in contact with the surface of the product.
5. Do not apply excessive force/impact to the product.
6. Failure to follow any of the instructions above may cause malfunction or damage to the product, fire, and electric shock.

Ordering Specifications

STC45/ 56/ 80L	-	3	-	220	-	RAG	-	LW18/24
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
• STC45/ 56/ 80L • STC45/ 56/ 80L-BZ • STC45/ 56/ 80LF • STC45/ 56/ 80LF-BZ		• 2-2 colors • 3-3 colors		• 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V		R-Red A-Amber G-Green		• None-Standard • Bracket -LB18/24 -LW18/24 -QZ18/24 -SZ18/24 -QL18/24 -SL18/24 - SLB370

STC45/ 56/ 80ML	-	3	-	220	-	RAG
[Model number]		[Layers]		[Voltage]		[Color]
• STC45/ 56/ 80ML • STC45/ 56/ 80ML-BZ • STC45/ 56/ 80MLF • STC45/ 56/ 80MLF-BZ		• 2-2 colors • 3-3 colors		• 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V		R-Red A-Amber G-Green

Please scan the QR code for more detailed product information.

www.qlight.com

Product Specifications

• STC45L

Model number	Layers	Voltage	Certificate	Weight	Color
STC45L Steady STC45L-BZ Built-in Buzzer Steady	2	DC12V DC24V AC110V AC220V	CE	0.33kg	R-Red A-Amber
STC45LF Steady/Flashing STC45LF-BZ Built-in Buzzer Steady/Flashing	3	DC12V DC24V AC110V AC220V		0.47kg	R-Red A-Amber G-Green

※ CE compliant : DC24V

Light source/buzzer current(Each LED module's current)				
Voltage condition	DC12V	DC24V	AC110V	AC220V
Light source current (1 layer)	95mA	100mA	30mA	15mA
Buzzer current	40mA	75mA	25mA	15mA

• STC45ML

Model number	Layers	Voltage	Certificate	Weight	Color
STC45ML Steady STC45ML-BZ Built-in Buzzer Steady	2	DC12V DC24V AC110V AC220V	CE	0.19kg	R-Red A-Amber
STC45MLF Steady/Flashing STC45MLF-BZ Built-in Buzzer Steady/Flashing	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 condition	DC12V	DC24V	AC110V	AC220V
Light source current (1 layer)	95mA	100mA	30mA	15mA
Buzzer current	40mA	75mA	25mA	15mA

• STC56L

Model number	Layers	Voltage	Certificate	Weight	Color
STC56L Steady STC56L-BZ Built-in Buzzer Steady	2	DC12V DC24V AC110V AC220V	CE	0.43kg	R-Red A-Amber
STC56LF Steady/Flashing STC56LF-BZ Built-in Buzzer Steady/Flashing	3	DC12V DC24V AC110V AC220V		0.62kg	R-Red A-Amber G-Green

※ CE compliant : DC24V

Light source/buzzer current(Each LED module's current)				
Voltage condition	DC12V	DC24V	AC110V	AC220V
Light source current (1 layer)	240mA	210mA	50mA	25mA
Buzzer current	40mA	75mA	40mA	20mA

• STC56ML

Model number	Layers	Voltage	Certificate	Weight	Color
STC56ML Steady STC56ML-BZ Built-in Buzzer Steady	2	DC12V DC24V AC110V AC220V	CE	0.29kg	R-Red A-Amber
STC56MLF Steady/Flashing STC56MLF-BZ Built-in Buzzer Steady/Flashing	3	DC12V DC24V AC110V AC220V		0.49kg	R-Red A-Amber G-Green

※ CE compliant : DC24V

Light source/buzzer current(Each LED module's current)				
Voltage condition	DC12V	DC24V	AC110V	AC220V
Light source current (1 layer)	240mA	210mA	50mA	25mA
Buzzer current	40mA	75mA	40mA	20mA

• STC80L

Model number	Layers	Voltage	Certificate	Weight	Color
STC80L Steady STC80L-BZ Built-in Buzzer Steady	2	DC12V DC24V AC110V AC220V	CE	0.64kg	R-Red A-Amber
STC80LF Steady/Flashing STC80LF-BZ Built-in Buzzer Steady/Flashing	3	DC12V DC24V AC110V AC220V		0.83kg	R-Red A-Amber G-Green

※ CE compliant : DC24V

Light source/buzzer current(Each LED module's current)				
Voltage condition	DC12V	DC24V	AC110V	AC220V
Light source current (1 layer)	310mA	250mA	60mA	30mA
Buzzer current	40mA	75mA	45mA	25mA

• STC80ML

Model number	Layers	Voltage	Certificate	Weight	Color
STC80ML Steady STC80ML-BZ Built-in Buzzer Steady	2	DC12V DC24V AC110V AC220V	CE	0.40kg	R-Red A-Amber
STC80MLF Steady/Flashing STC80MLF-BZ Built-in Buzzer Steady/Flashing	3	DC12V DC24V AC110V AC220V		0.60kg	R-Red A-Amber G-Green

※ CE compliant : DC24V

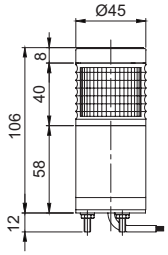
Light source/buzzer current(Each LED module's current)				
Voltage condition	DC12V	DC24V	AC110V	AC220V
Light source current (1 layer)	310mA	250mA	60mA	30mA
Buzzer current	40mA	75mA	45mA	25mA

Dimensions

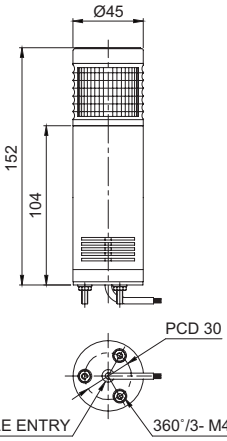
(Units : mm)

• STC45(M)L

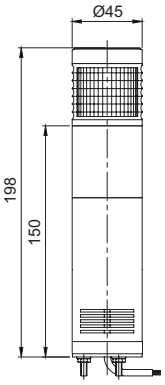
STC45ML : DC



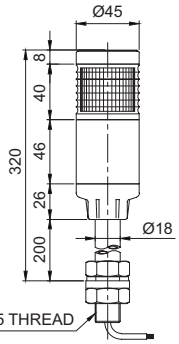
STC45ML : AC
STC45MLF : AC
STC45ML-BZ : DC
STC45MLF-BZ : DC
STC45MLF : DC



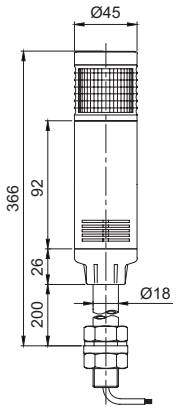
STC45ML-BZ : AC
STC45MLF-BZ : AC



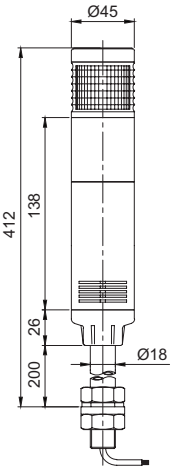
STC45L : DC



STC45L : AC
STC45LF : AC
STC45L-BZ : DC
STC45LF-BZ : DC
STC45LF : DC

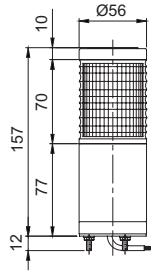


STC45L-BZ : AC
STC45LF-BZ : AC

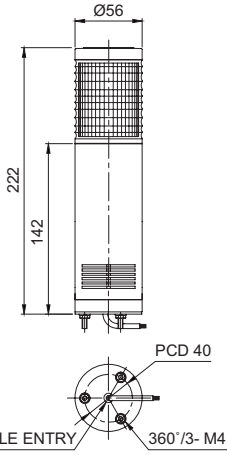


• STC56(M)L

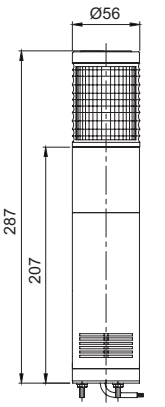
STC56ML : DC
STC56MLF : DC



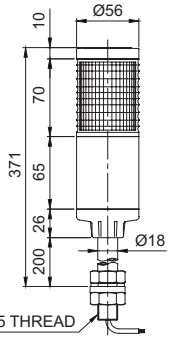
STC56ML : AC
STC56MLF : AC
STC56ML-BZ : DC
STC56MLF-BZ : DC



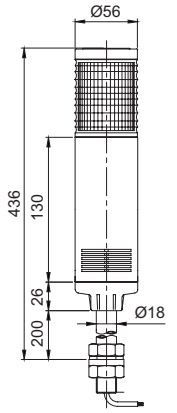
STC56ML-BZ : AC
STC56MLF-BZ : AC



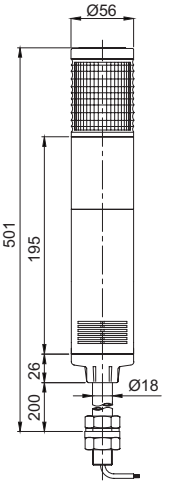
STC56L : DC
STC56LF : DC



STC56L : AC
STC56LF : AC
STC56L-BZ : DC
STC56LF-BZ : DC

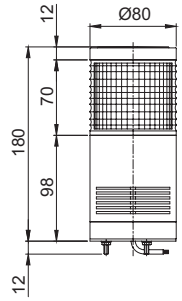


STC56L-BZ : AC
STC56LF-BZ : AC

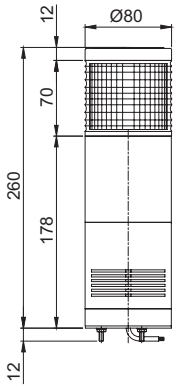


• STC80(M)L

STC80ML : AC/DC
STC80MLF : AC/DC
STC80ML-BZ : AC/DC
STC80MLF-BZ : DC

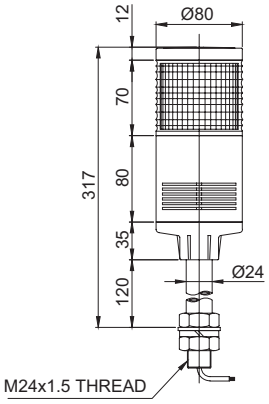


STC80MLF-BZ : AC

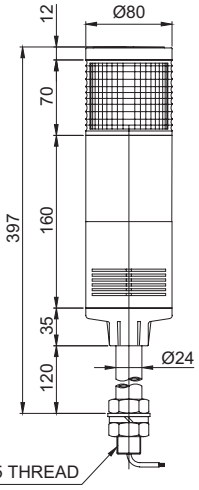




STC80L : AC/DC
STC80LF : AC/DC
STC80L-BZ : DC/AC
STC80LF-BZ : DC

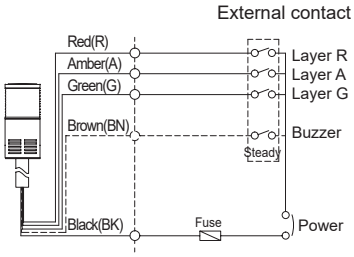
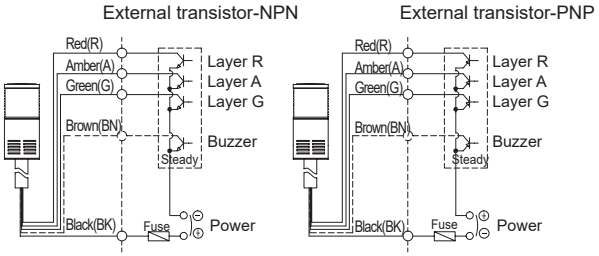
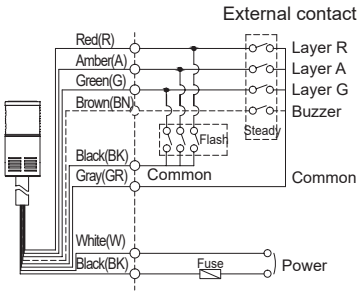
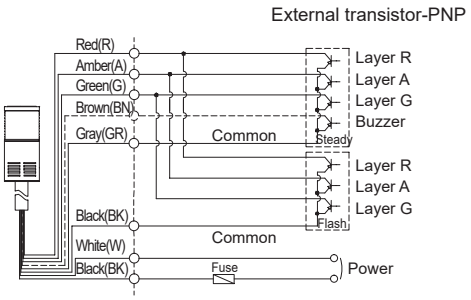
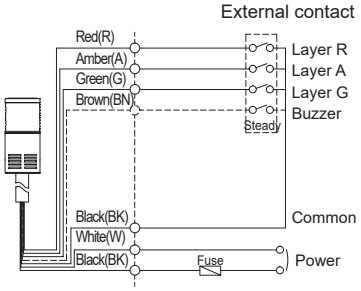
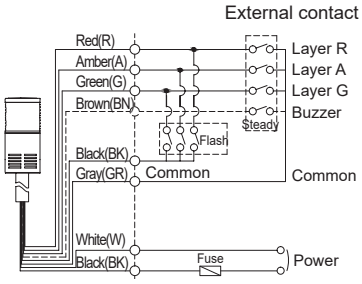
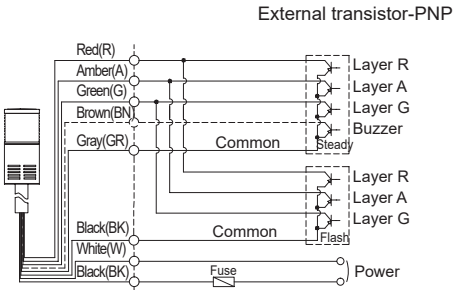


STC80LF-BZ : AC



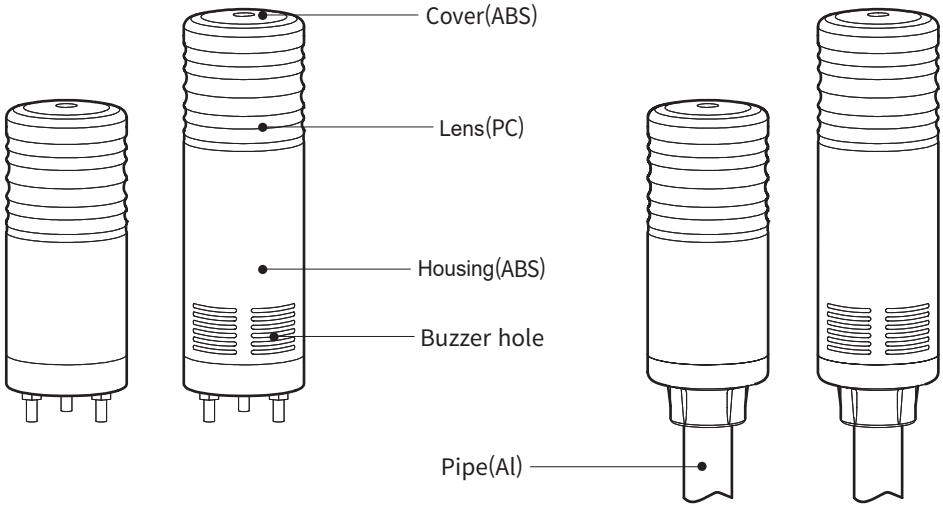
Wiring Instructions

• 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.
• These products can be wired regardless of polarity.

<table>
<tr><th></th><th>External contact</th><th>Transistor</th></tr>
<tr><td>DC Steady</td><td>STC45ML/ STC45L-DC
STC56ML/ STC56L/ STC56MEL/ STC56EL-DC

</td><td>STC45ML/ STC45L-DC
STC56ML/ STC56L/ STC56MEL/ STC56EL-DC

</td></tr>
<tr><td>DC Steady/ Flashing</td><td>STC45MLF/ STC45LF-DC
STC56MLF/ STC56LF/ STC56MELF/ STC56ELF-DC

</td><td>STC45MLF/ STC45LF-DC
STC56MLF/ STC56LF/ STC56MELF/ STC56ELF-DC

</td></tr>
<tr><td>AC Steady</td><td>STC45ML/ STC45L-AC
STC56ML/ STC56L/ STC56MEL/ STC56EL-AC

</td><td></td></tr>
<tr><td>AC Steady/ Flashing</td><td>STC45MLF/ STC45LF-AC
STC56MLF/ STC56LF/ STC56MELF/ STC56ELF-AC

</td><td>STC45MLF/ STC45LF-AC
STC56MLF/ STC56LF/ STC56MELF/ STC56ELF-AC

</td></tr>
</table>

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

Parts Definition



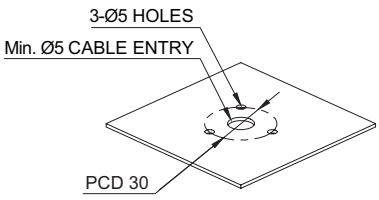
Installation Environment and Protection Rating

- This product is designed for indoor use with protection rating of IP44(standard type) or IP23(buzzer type).
- If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated, it may cause malfunction or damage to the product.
- For further information, please visit our website (www.qlight.com).

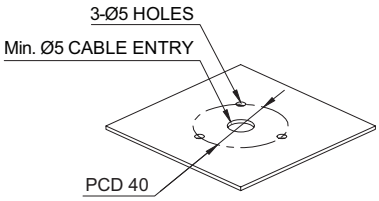
Mounting Hole Specifications

■ STC45ML/ STC56ML/ STC80ML - Direct Mounting Type Model

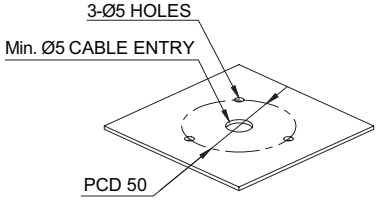
① Machine holes on the mounting surface referring to the diagram below.



STC45ML/ STC45L



STC56ML/ STC56L



STC80ML/ STC80L

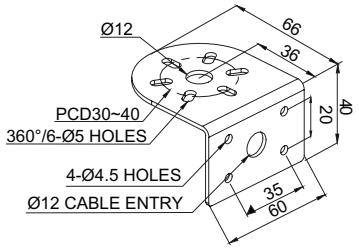
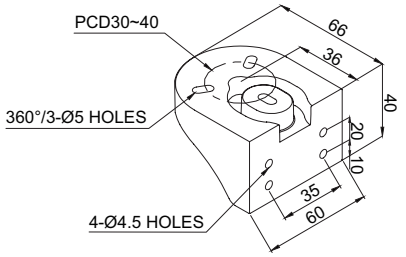
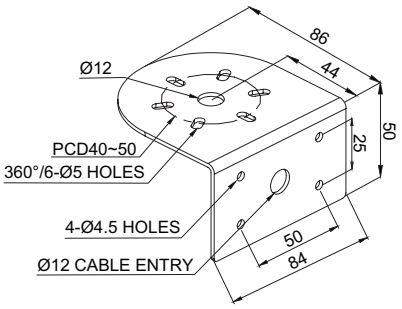
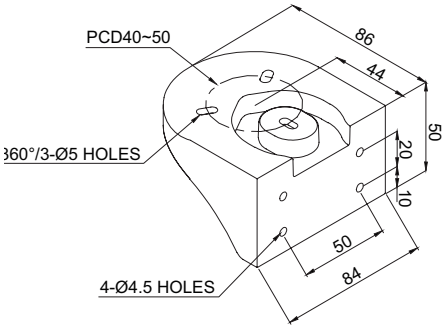
② Remove the flange nuts from bolts and place the product through the mounting surface holes.

③ Fasten the flange nuts on the opposite side of the mounting surface until the product is tightened securely.

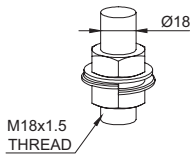
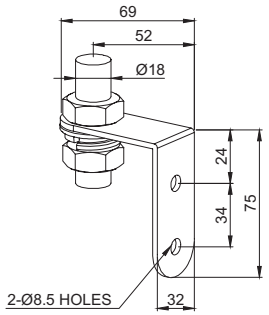
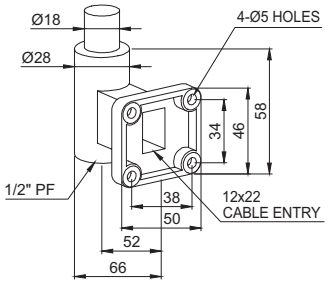
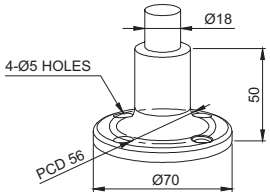
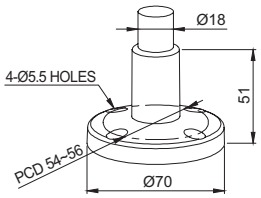
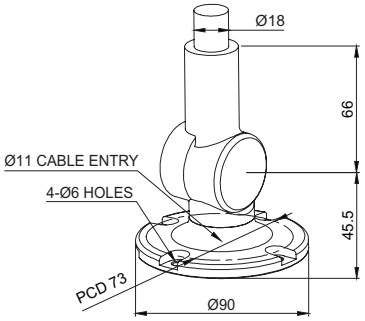
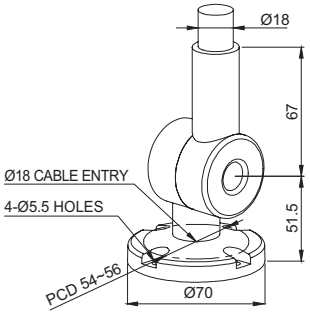
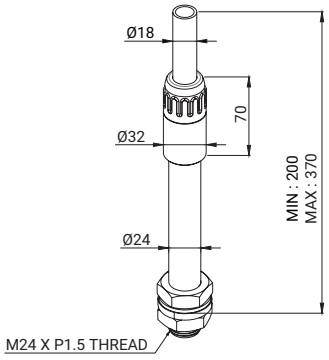
Mounting Accessories (Sold Separately)

• Please refer to the dimensions below for installation of mounting brackets

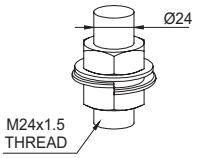
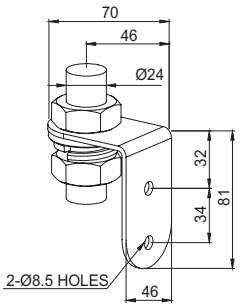
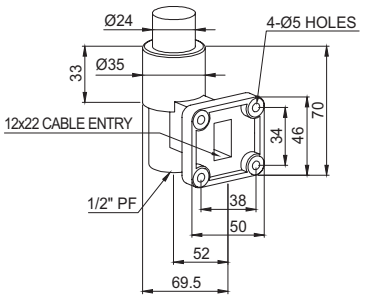
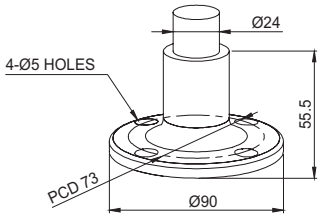
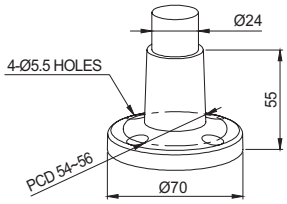
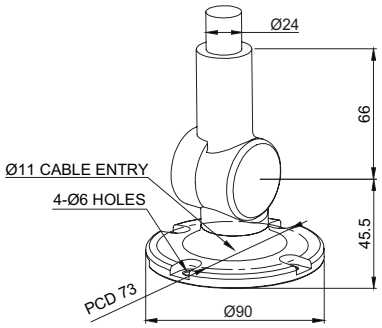
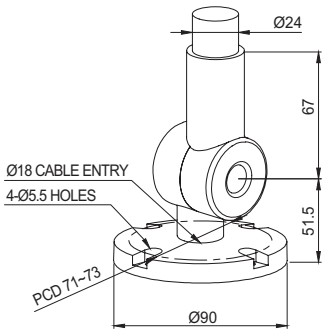
■ **STC45ML/ STC56ML/ STC80ML- Direct Mounting Type Model**

	Dimensions	
STC45ML STC56ML	 TWS45	 TWA45
STC80ML	 TWS80	 TWA80

■ **STC45L/ STC56L- Pole Mounting Type Model**

	Dimensions	
STC45L STC56L	 18mm SCREW & NUT	 LB18
	 LW18	 SZ18
	 QZ18	 SL18
	 QL18	 SLB370

■ **STC80L - Pole Mounting Type Model**

	Dimensions	
STC80L	 24mm SCREW & NUT	 LB24
	 LW24	 SZ24
	 QZ24	 SL24
	 QL24	

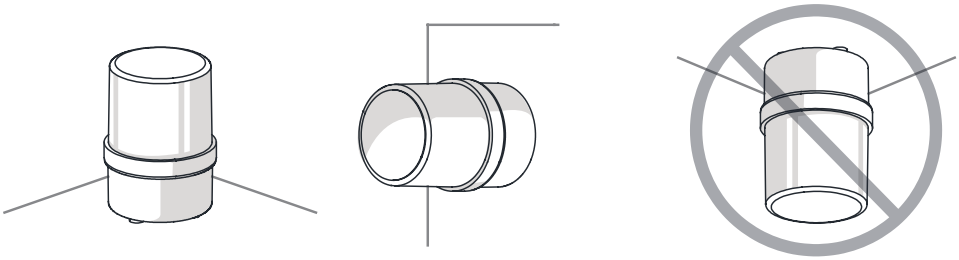
Product installation direction

■ **Install the product in accordance with the manual. Otherwise rainwater or moisture may penetrate into the product.**

· BEACON/SIGNALING LIGHT

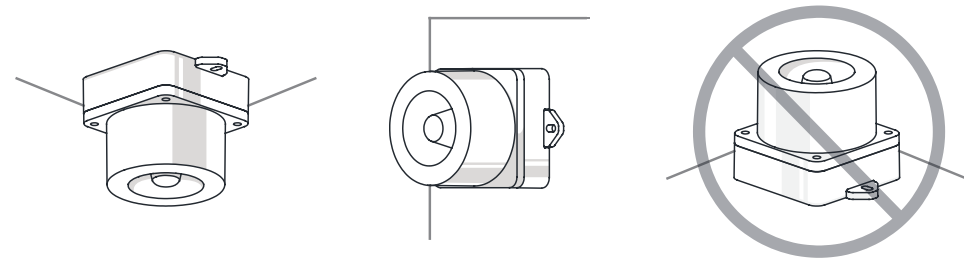
For products with a protection rating of less than IPX4, please install it vertically.

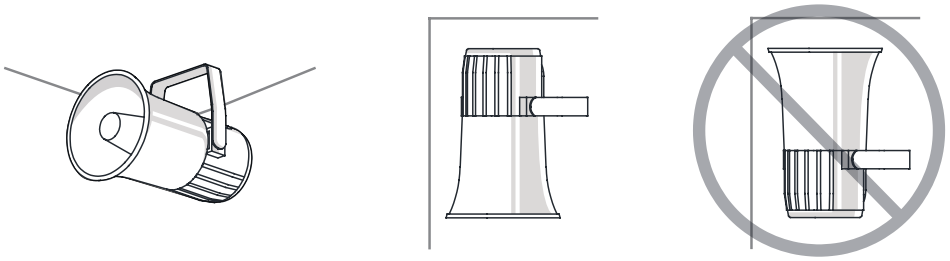
Power cord inlet part shall not be facing the sky.



· ELECTRONIC SOUNDER/SIGNAL HORN

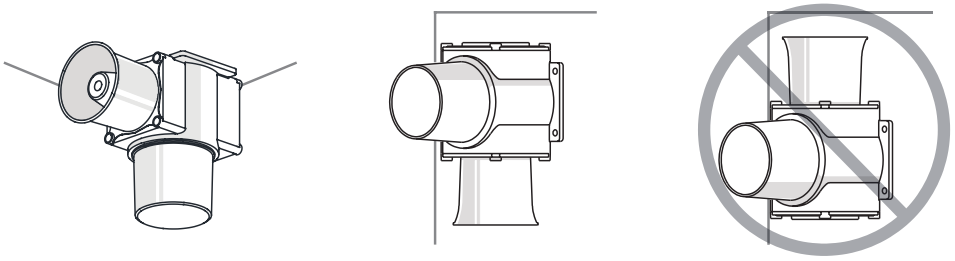
Sounder part shall not be facing the sky.





· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

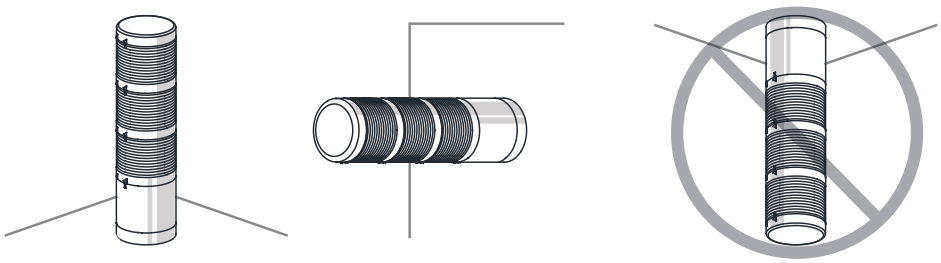
Sounder part shall not be facing the sky.



· SIGNAL TOWER LIGHTS

※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.



MEMO

MEMO

⚠ For your safety

Specification and dimensions listed in this catalogue subject to change without notice for product quality improvement.
The newest product information is available on our website.(www.qlight.com)
Please read the instruction manual attached to the product carefully before installation and use.

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