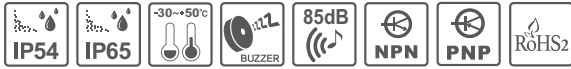
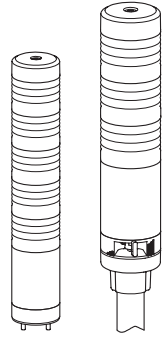


Steady/Flashing LED Tower Lights

STG40/ STG50



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, and 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



STG40/ 50(M)L	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layer count]		[Voltage]		[Color]		[Bracket]
• STG40/ 50ML		• 1 Layer		• 12-DC12V		R-Red		• None-Standard
• STG40/ 50ML-BZ		• 2 Layers		• 24-DC24V		A-Amber		• Bracket
• STG40/ 50MLF		• 3 Layers		• 110/220 - AC110V-220V		G-Green		- LB18 - LW18
• STG40/ 50MLF-BZ		• 4 Layers				B-Blue		- QZ18 - SZ18
• STG40/ 50L		• 5 Layers				W-White		- QL18 - SL18
• STG40/ 50L-BZ								
• STG40/ 50LF								
• STG40/ 50LF-BZ								





Please scan the QR code for more detailed product information.



www.qlight.com

Product Specifications

Model number	Layer count	Voltage	Certificates	Weight	Color
STG40L Steady STG40L-BZ Steady /w built-in buzzer STG40LF Steady/Flashing STG40LF-BZ Steady/Flashing /w built-in buzzer	1	DC12V DC24V AC110V-220V	 	0.29kg 0.29kg 0.31kg	R-Red
	2	DC12V DC24V AC110V-220V		0.33kg 0.33kg 0.36kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.38kg 0.38kg 0.40kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.45kg 0.45kg 0.47kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.51kg 0.51kg 0.53kg	R-Red A-Amber G-Green B-Blue W-White

Model number	Layer count	Voltage	Certificates	Weight	Color
STG40ML Steady STG40ML-BZ Steady /w built-in buzzer STG40MLF Steady/Flashing STG40MLF-BZ Steady/Flashing /w built-in buzzer	1	DC12V DC24V AC110V-220V	 	0.12kg 0.12kg 0.14kg	R-Red
	2	DC12V DC24V AC110V-220V		0.19kg 0.19kg 0.21kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.25kg 0.25kg 0.27kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.31kg 0.31kg 0.33kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.36kg 0.36kg 0.38kg	R-Red A-Amber G-Green B-Blue W-White

Model number	Layer count	Voltage	Certificates	Weight	Color
STG50L Steady STG50L-BZ Steady /w built-in buzzer STG50LF Steady/Flashing STG50LF-BZ Steady/Flashing /w built-in buzzer	1	DC12V DC24V AC110V-220V	 	0.36kg 0.36kg 0.38kg	R-Red
	2	DC12V DC24V AC110V-220V		0.43kg 0.43kg 0.45kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.53kg 0.53kg 0.55kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.59kg 0.59kg 0.61kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.67kg 0.67kg 0.69kg	R-Red A-Amber G-Green B-Blue W-White

Model number	Layer count	Voltage	Certificates	Weight	Color
STG50ML Steady STG50ML-BZ Steady /w built-in buzzer STG50MLF Steady/Flashing STG50MLF-BZ Steady/Flashing /w built-in buzzer	1	DC12V DC24V AC110V-220V	 	0.20kg 0.20kg 0.22kg	R-Red
	2	DC12V DC24V AC110V-220V		0.28kg 0.28kg 0.30kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.36kg 0.36kg 0.38kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.45kg 0.45kg 0.47kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.53kg 0.53kg 0.55kg	R-Red A-Amber G-Green B-Blue W-White

※AC Operating voltage range AC100V to 240V

※CE Compliant: DC12V, DC24V, UL listed: DC24V

• STG40

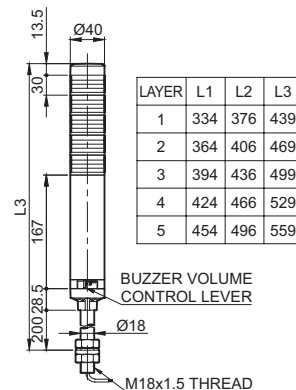
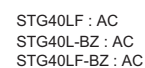
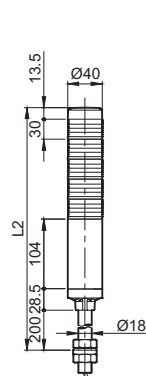
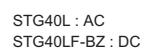
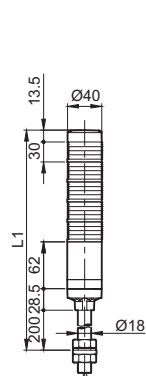
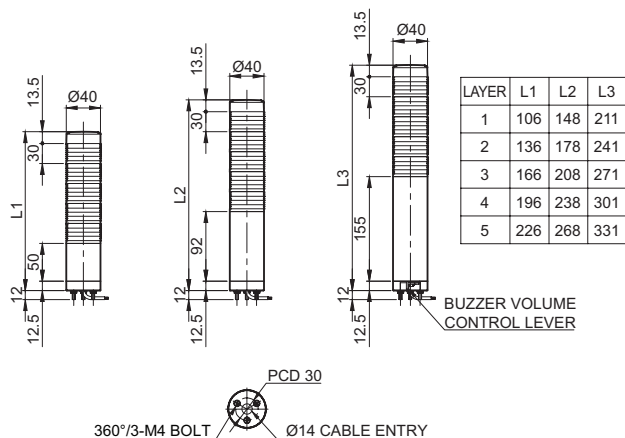
Light source/buzzer current(based on 1 layer)			
Current	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	0.095A	0.055A	Max.0.045A
buzzer current	0.050A	0.075A	Max.0.055A

• STG50

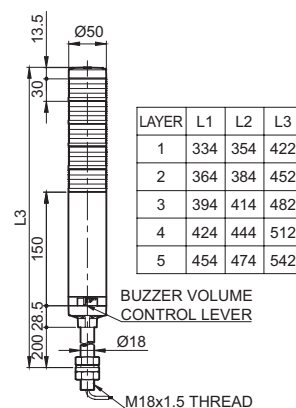
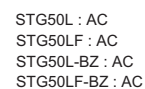
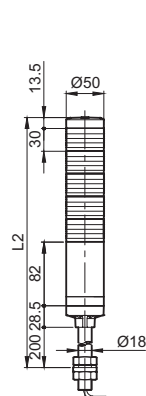
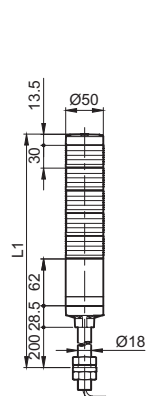
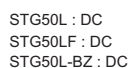
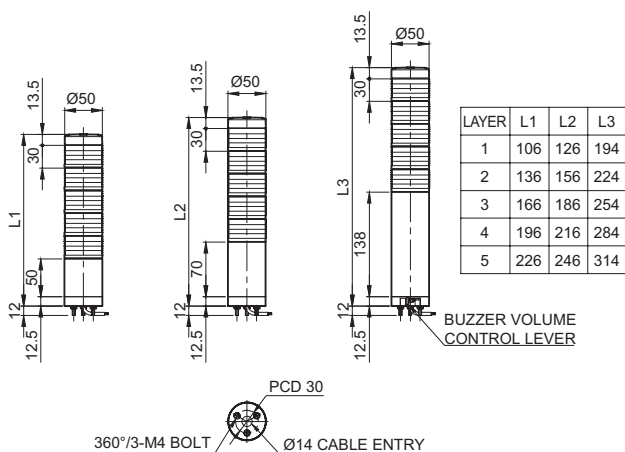
Light source/buzzer current(based on 1 layer)			
Current	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	0.055A	0.050A	Max.0.040A
buzzer current	0.040A	0.075A	Max.0.060A

(Units : mm)

STG40ML : DC
STG40MLF : DC
STG40ML-BZ : DC



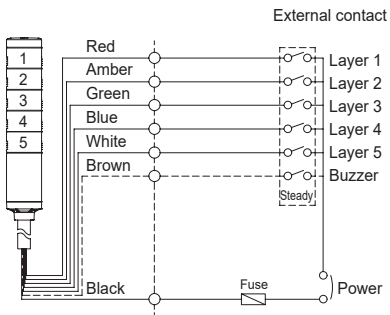
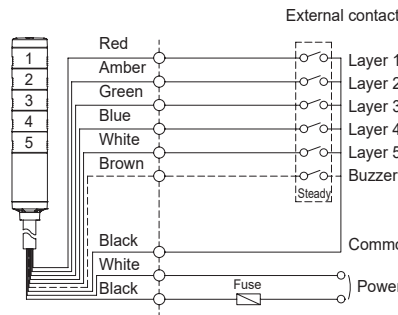
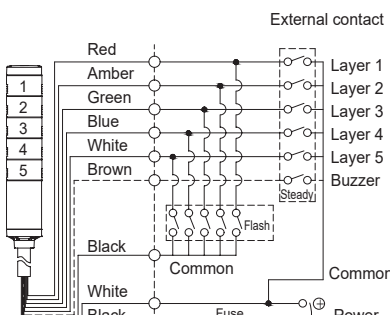
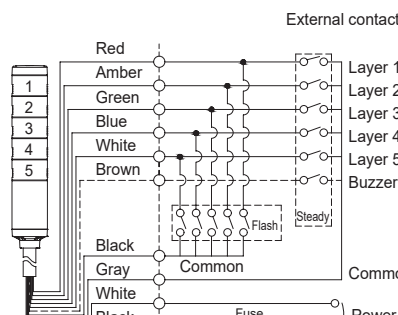
STG50ML : DC
STG50MLF : DC
STG50ML-BZ : DC



Wiring Instructions

■ Wiring using external contact

- In case of wiring with external contacts, refer to the wiring diagrams below according to your product's type and voltage setting.

DC steady	Wiring diagrams	AC steady	Wiring diagrams
STG40ML STG40L STG50ML STG50L	 <p>External contact</p> <p>Red Amber Green Blue White Brown</p> <p>Layer 1 Layer 2 Layer 3 Layer 4 Layer 5 Buzzer</p> <p>Black Fuse Power</p> <p>Steady</p> <ul style="list-style-type: none"> • STG □□ (M)L - Refer to this diagram for buzzer type product • STG □□ L <ul style="list-style-type: none"> □ Lens diameter 40(40mm) : STG40(M)L □ Lens diameter 50(50mm) : STG50(M)L 	STG40ML STG40L STG50ML STG50L	 <p>External contact</p> <p>Red Amber Green Blue White Brown</p> <p>Layer 1 Layer 2 Layer 3 Layer 4 Layer 5 Buzzer</p> <p>Black White Fuse Power</p> <p>Common</p> <p>Steady</p> <ul style="list-style-type: none"> • STG □□ (M)L - Refer to this diagram for buzzer type product • STG □□ L <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 contact</p> <p>Red Amber Green Blue White Brown</p> <p>Layer 1 Layer 2 Layer 3 Layer 4 Layer 5 Buzzer</p> <p>Black White Fuse Power</p> <p>Common</p> <p>Flash</p> <ul style="list-style-type: none"> • STG □□ (M)LF - Refer to this diagram for buzzer type product • STG □□ LF <ul style="list-style-type: none"> □ Lens diameter 40(40mm) : STG40(M)LF □ Lens diameter 50(50mm) : STG50(M)LF 	AC steady/flashing	 <p>External contact</p> <p>Red Amber Green Blue White Brown</p> <p>Layer 1 Layer 2 Layer 3 Layer 4 Layer 5 Buzzer</p> <p>Black Gray White Fuse Power</p> <p>Common</p> <p>Flash</p> <ul style="list-style-type: none"> • STG □□ (M)LF - Refer to this diagram for buzzer type product • STG □□ LF <ul style="list-style-type: none"> □ Lens diameter 40(40mm) : STG40(M)LF □ Lens diameter 50(50mm) : STG50(M)LF

- 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

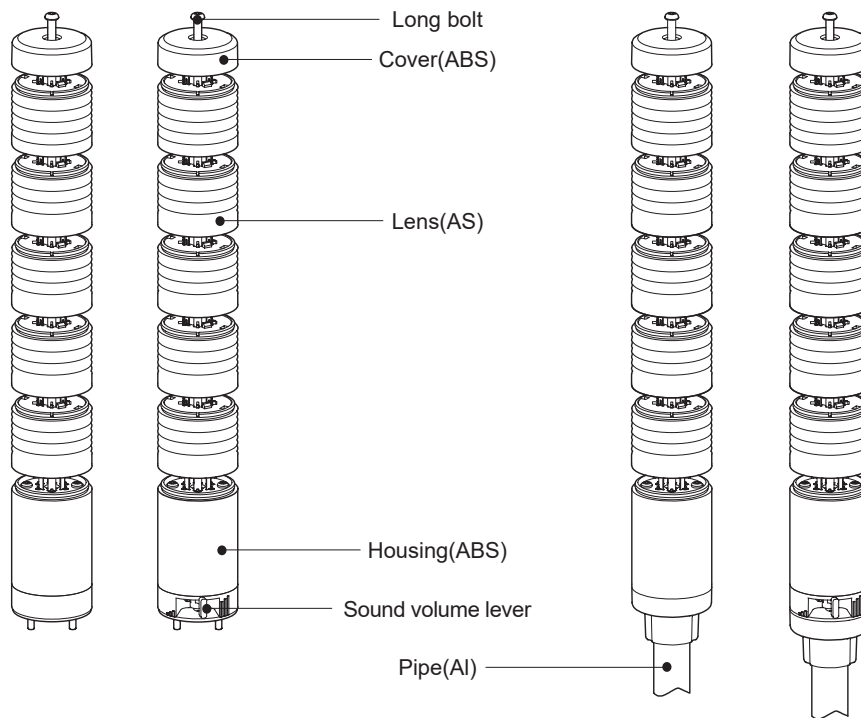
■ Wiring using transistor

- When using a transistor, please choose between the NPN or PNP type transistor which best matches the voltage and product type, then connect them correctly according to the wiring diagrams below.

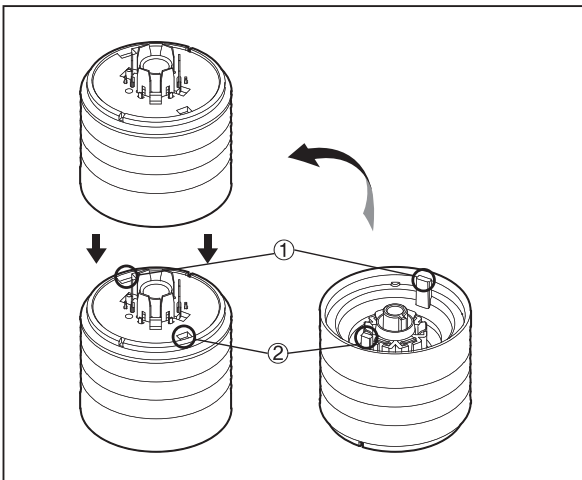
Wiring diagrams	
DC steady	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>STG40ML STG40L STG50ML STG50L</p> <p>External Transistor-NPN</p> <p>Red, Amber, Green, Blue, White, Brown, Buzzer, Steady, Layer 1, Layer 2, Layer 3, Layer 4, Layer 5, Black, Fuse, Power</p> </div> <div style="width: 45%;"> <p>External Transistor-PNP</p> <p>Red, Amber, Green, Blue, White, Brown, Buzzer, Steady, Layer 1, Layer 2, Layer 3, Layer 4, Layer 5, Black, Fuse, Power</p> </div> </div> <ul style="list-style-type: none"> STG□□(M)LF - Refer to this diagram for buzzer type product STG□□L <ul style="list-style-type: none"> □ Lens diameter 40(40mm) : STG40(M)LF □ 50(50mm) : STG50(M)LF
DC steady/flashing	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>STG40MLF STG40LF STG50MLF STG50LF</p> <p>External Transistor-PNP</p> <p>Red, Amber, Green, Blue, White, Brown, Buzzer, Steady, Layer 1, Layer 2, Layer 3, Layer 4, Layer 5, Black, Common, Flash, Fuse, Power</p> </div> <div style="width: 45%;"> <p>STG40MLF STG40LF STG50MLF STG50LF</p> <p>Red, Amber, Green, Blue, White, Brown, Buzzer, Steady, Layer 1, Layer 2, Layer 3, Layer 4, Layer 5, Black, Common, Flash, Fuse, Power</p> </div> </div> <ul style="list-style-type: none"> STG□□(M)LF - Refer to this diagram for buzzer type product STG□□LF <ul style="list-style-type: none"> □ Lens diameter 40(40mm) : STG40(M)LF □ 50(50mm) : STG50(M)LF
AC steady/flashing	<div style="width: 100%;"> <p>STG40MLF STG40LF STG50MLF STG50LF</p> <p>External Transistor-PNP</p> <p>Red, Amber, Green, Blue, White, Brown, Buzzer, Steady, Layer 1, Layer 2, Layer 3, Layer 4, Layer 5, Black, Common, Flash, Fuse, Power</p> </div> <ul style="list-style-type: none"> STG□□(M)LF - Refer to this diagram for buzzer type product STG□□LF <ul style="list-style-type: none"> □ Lens diameter 40(40mm) : STG40(M)LF □ 50(50mm) : STG50(M)LF

- 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

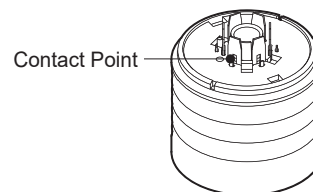


How to Change Lens Kit



Please ensure that contact points of the two lens kits are aligned together prior to assembly. Slowly combine the color LED lens units together at the contact points shown the image above (①,②). Ensure the upper and lower contacts are seamlessly coupled and then firmly press the units together to complete assembly.

※ Cautions

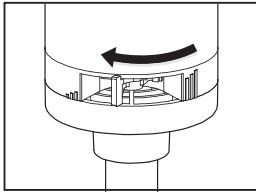


Lens modules are connected through contact point of each module. In case the contact point is damaged, it may cause a contact failure.

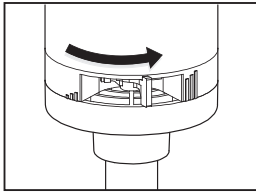
Installation Environment and Protection Rating

- This product is designed for indoor use with protection rating of IP65(Standard type) or IP54(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(IP65), it may cause malfunction or damage to the product.
- For further information, please visit our website(www.qlight.com).

Buzzer Sound Volume Adjustment Instructions



Buzzer volume is reduced by sliding the volume control lever to the left as shown in the diagram to the left.
(Min. $65 \pm 4 \text{ dB/m}$)

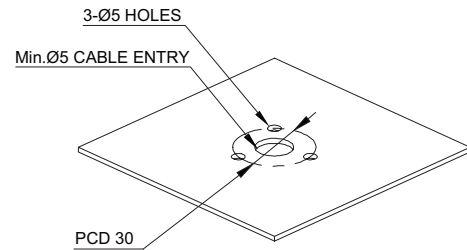


Raise/ increase the buzzer volume by sliding the control lever to the right as shown in the diagram to the left.
(Max. $85 \pm 4 \text{ dB/m}$)

Mounting Hole Specifications

■ STG40ML/ STG50ML -Direct Mounting Type Model

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



STG40/ 50ML

- 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.

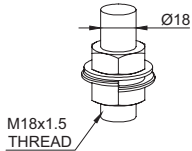
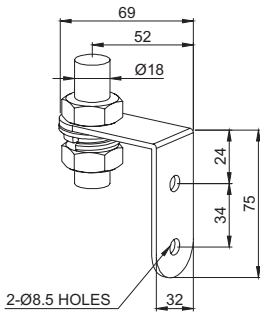
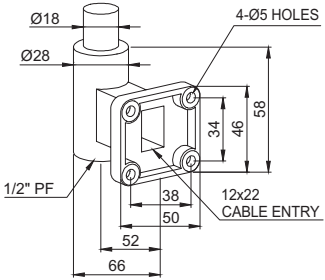
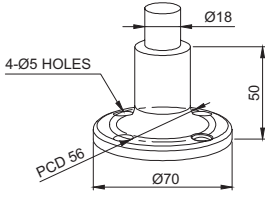
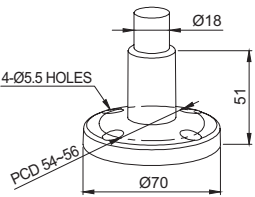
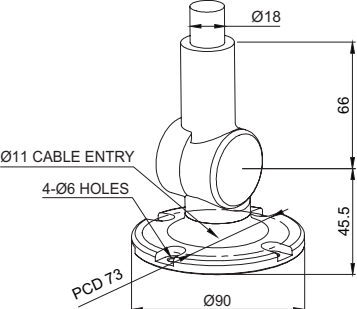
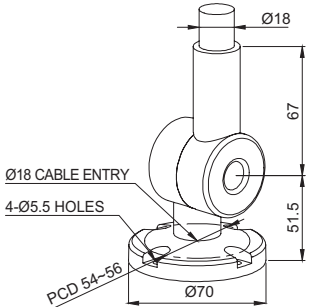
Mounting Accessories (Sold Separately)

- Please refer to the dimensions below for installation of mounting brackets.

■ STG40ML/ STG50ML - Direct Mounting Type Model

Dimensions		
STG40 series STG50 series	<p>TWS45</p>	<p>TWA45</p>

■ STG40L/ STG50L - Pole Mounting Type Model

	Dimensions	
STG40 series STG50 series	 <p>Ø18 M18x1.5 THREAD</p> <p>18mm SCREW & NUT</p>	 <p>69 52 Ø18 24 34 75 32 2-Ø8.5 HOLES</p> <p>LB18</p>
	 <p>Ø18 Ø28 4-Ø5 HOLES 1/2" PF 34 46 58 38 50 12x22 CABLE ENTRY 52 66</p> <p>LW18</p>	 <p>Ø18 4-Ø5 HOLES PCD 56 Ø70 50</p> <p>SZ18</p>
	 <p>Ø18 4-Ø5.5 HOLES PCD 54-56 Ø70 51</p> <p>QZ18</p>	 <p>Ø18 66 Ø11 CABLE ENTRY 4-Ø6 HOLES PCD 73 Ø90 45.5</p> <p>SL18</p>
	 <p>Ø18 67 Ø18 CABLE ENTRY 4-Ø5.5 HOLES PCD 54-56 Ø70 51.5</p> <p>QL18</p>	

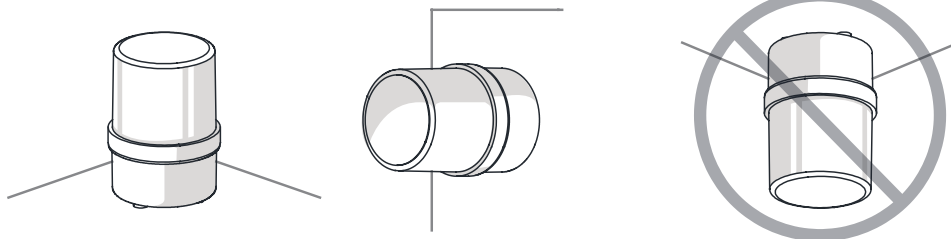
Product installation direction

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

· BEACON/SIGNALING LIGHT

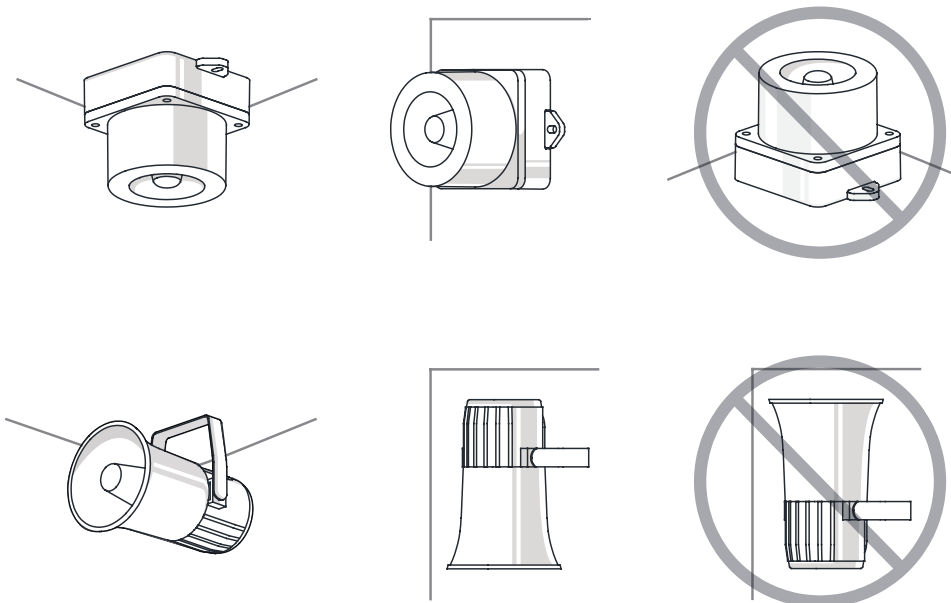
※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.



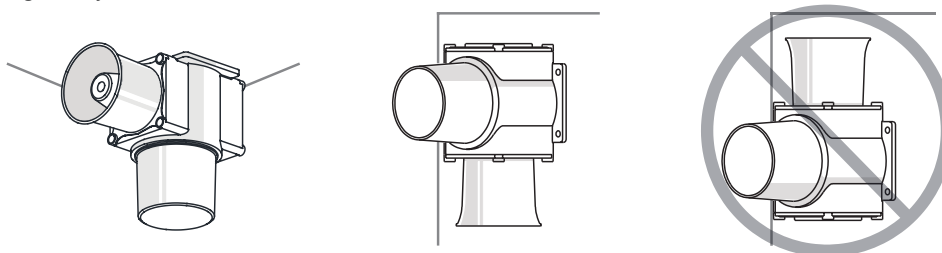
· ELECTRONIC SOUNDER/SIGNAL HORN

Sounder part shall not be facing the sky.



· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

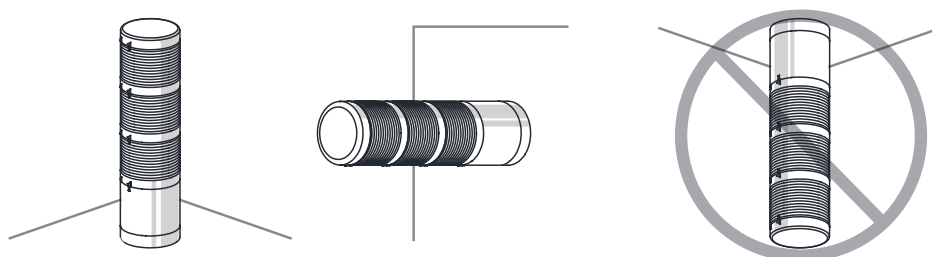
Sounder part shall not be facing the sky.



· 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.





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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Factory | 185-25, Mukbang-ro, Sangdong-myeon, Gimhae-si, Gyeongsangnamdo, Korea Tel. +82-55-328-1111(Toll free. +82-80-328-1111)

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