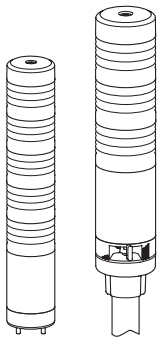
Steady/Flashing LED Tower Lights

STG40/ STG50/ STG60



IP54 IP65 -30~+50℃ BUZZER 85dB 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, 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/ 60(M)L	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layer count]		[Voltage]		[Color]		[Bracket]
• STG40/ 50/ 60ML • STG40/ 50/ 60ML-BZ • STG40/ 50/ 60MLF • STG40/ 50/ 60MLF-BZ • STG40/ 50/ 60L • STG40/ 50/ 60L-BZ • STG40/ 50/ 60LF • STG40/ 50/ 60LF-BZ		• 1 Layer • 2 Layers • 3 Layers • 4 Layers • 5 Layers		• 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 - SLB370

Please scan the QR code for more detailed product information.

www.qlight.com

Product Specifications

• STG40L

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	CE UL	0.27kg 0.27kg 0.33kg	R-Red
	2	DC12V DC24V AC110V-220V		0.30kg 0.30kg 0.36kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.33kg 0.33kg 0.39kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.36kg 0.36kg 0.42kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.39kg 0.39kg 0.45kg	R-Red A-Amber G-Green B-Blue W-White

• STG40ML

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	CE UL	0.12kg 0.12kg 0.18kg	R-Red
	2	DC12V DC24V AC110V-220V		0.15kg 0.15kg 0.21kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.18kg 0.18kg 0.24kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.21kg 0.21kg 0.27kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.24kg 0.24kg 0.30kg	R-Red A-Amber G-Green B-Blue W-White

• STG50L

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	CE UL	0.29kg 0.29kg 0.36kg	R-Red
	2	DC12V DC24V AC110V-220V		0.32kg 0.32kg 0.39kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.35kg 0.35kg 0.42kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.38kg 0.38kg 0.45kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.41kg 0.41kg 0.48kg	R-Red A-Amber G-Green B-Blue W-White

• STG50ML

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	CE UL	0.15kg 0.15kg 0.21kg	R-Red
	2	DC12V DC24V AC110V-220V		0.18kg 0.18kg 0.24kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.21kg 0.21kg 0.27kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.24kg 0.24kg 0.30kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.27kg 0.27kg 0.33kg	R-Red A-Amber G-Green B-Blue W-White

• STG60L

Model number	Layer count	Voltage	Certificates	Weight	Color
STG60L Steady STG60L-BZ Steady /w built-in buzzer STG60LF Steady/Flashing STG60LF-BZ Steady/Flashing /w built-in buzzer	1	DC12V DC24V AC110V-220V	CE UL	0.40kg 0.40kg 0.48kg	R-Red
	2	DC12V DC24V AC110V-220V		0.43kg 0.43kg 0.51kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.46kg 0.46kg 0.54kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.49kg 0.49kg 0.57kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.52kg 0.52kg 0.61kg	R-Red A-Amber G-Green B-Blue W-White

• STG60ML

Model number	Layer count	Voltage	Certificates	Weight	Color
STG60ML Steady STG60ML-BZ Steady /w built-in buzzer STG60MLF Steady/Flashing STG60MLF-BZ Steady/Flashing /w built-in buzzer	1	DC12V DC24V AC110V-220V	CE UL	0.25kg 0.25kg 0.34kg	R-Red
	2	DC12V DC24V AC110V-220V		0.28kg 0.28kg 0.37kg	R-Red G-Green
	3	DC12V DC24V AC110V-220V		0.31kg 0.31kg 0.40kg	R-Red A-Amber G-Green
	4	DC12V DC24V AC110V-220V		0.34kg 0.34kg 0.43kg	R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V-220V		0.37kg 0.37kg 0.46kg	R-Red A-Amber G-Green B-Blue W-White

※ AC Operating voltage range AC100V to 240V

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

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

• STG40(M)L

Current	DC12V	DC24V	AC110V~220V
Light source current(1 layer)	95mA	55mA	Max.45mA
buzzer current	50mA	75mA	Max.55mA

• STG50(M)L

Current	DC12V	DC24V	AC110V~220V
Light source current(1 layer)	55mA	50mA	Max.40mA
buzzer current	40mA	75mA	Max.60mA

• STG60(M)L

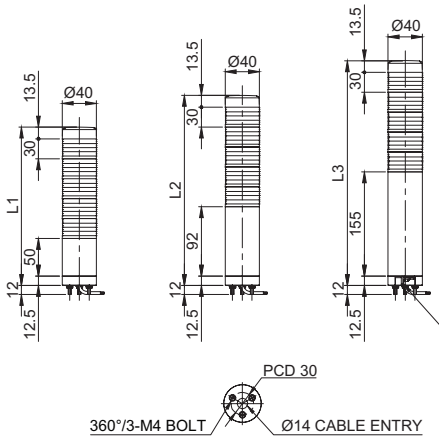
Current	DC12V	DC24V	AC110V~220V
Light source current(1 layer)	85mA	60mA	Max.50mA
buzzer current	40mA	75mA	Max.60mA

Dimensions

(Units : mm)

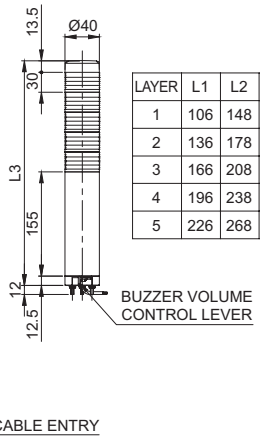
• STG40(M)L

STG40ML(F) : DC
STG40ML-BZ : DC



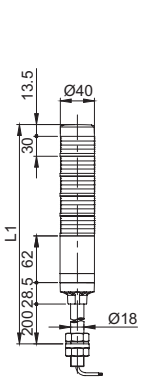
STG40MLF-BZ : DC

STG40ML(F) : AC
STG40ML(F)-BZ : AC

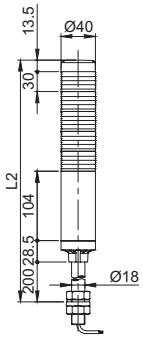


LAYER	L1	L2	L3
1	106	148	211
2	136	178	241
3	166	208	271
4	196	238	301
5	226	268	331

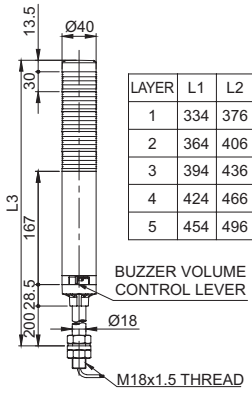
STG40L(F) : DC
STG40L-BZ : DC



STG40LF-BZ : DC



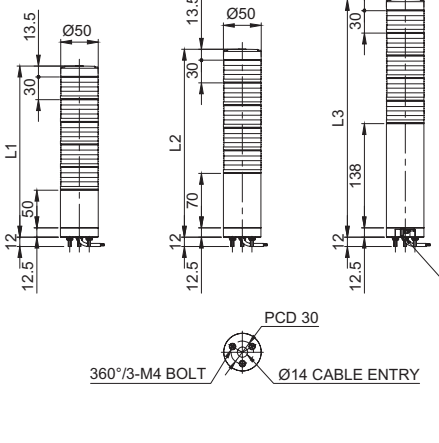
STG40L(F) : AC
STG40L(F)-BZ : AC



LAYER	L1	L2	L3
1	334	376	439
2	364	406	469
3	394	436	499
4	424	466	529
5	454	496	559

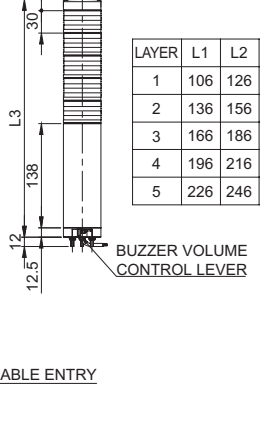
• STG50(M)L

STG50ML(F) : DC
STG50ML-BZ : DC



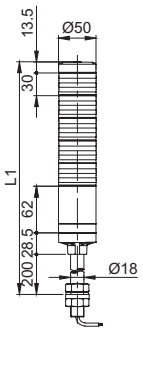
STG50MLF-BZ : DC

STG50ML(F) : AC
STG50ML(F)-BZ : AC

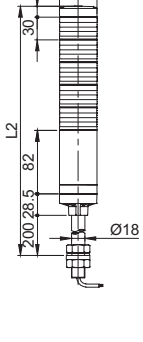


LAYER	L1	L2	L3
1	106	126	194
2	136	156	224
3	166	186	254
4	196	216	284
5	226	246	314

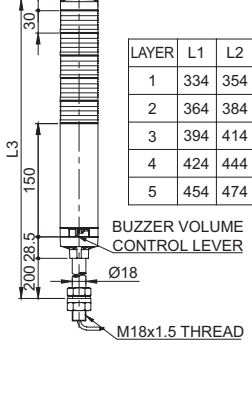
STG50L(F) : DC
STG50L-BZ : DC



STG50LF-BZ : DC



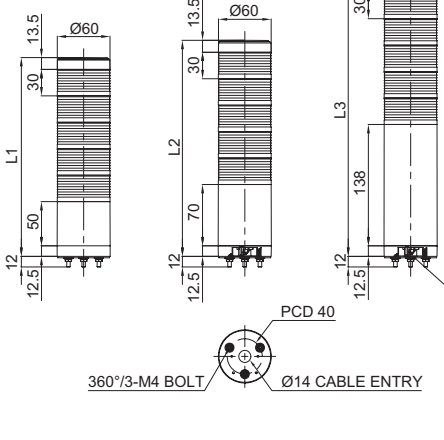
STG50L(F) : AC
STG50L(F)-BZ : AC



LAYER	L1	L2	L3
1	334	354	422
2	364	384	452
3	394	414	482
4	424	444	512
5	454	474	542

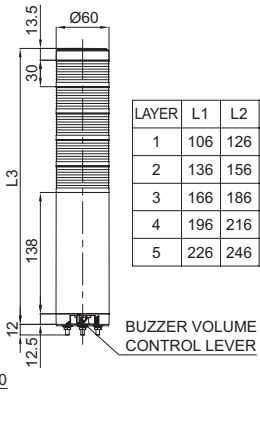
• STG60(M)L

STG60ML(F) : DC
STG60ML-BZ : DC



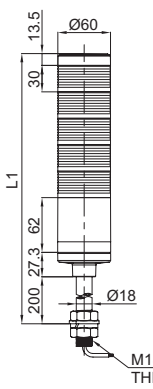
STG60MLF-BZ : DC

STG60ML(F) : AC
STG60ML(F)-BZ : AC

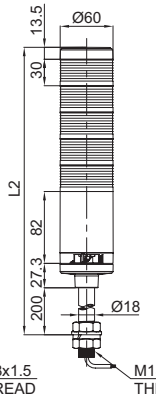


LAYER	L1	L2	L3
1	106	126	194
2	136	156	224
3	166	186	254
4	196	216	284
5	226	246	314

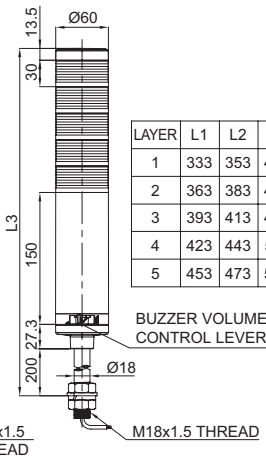
STG60L(F) : DC
STG60L-BZ : DC



STG60LF-BZ : DC



STG60L(F) : AC
STG60L(F)-BZ : AC



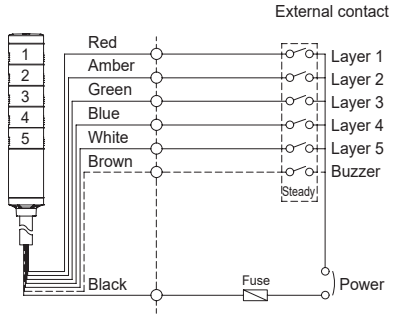
LAYER	L1	L2	L3
1	333	353	421
2	363	383	451
3	393	413	481
4	423	443	511
5	453	473	541

Wiring Instructions

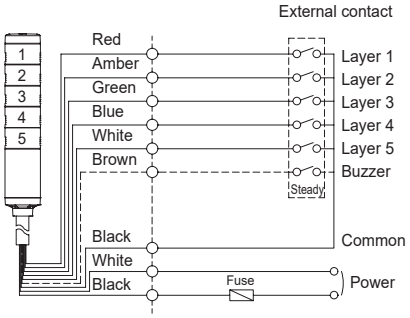
■ Wiring using external contact

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

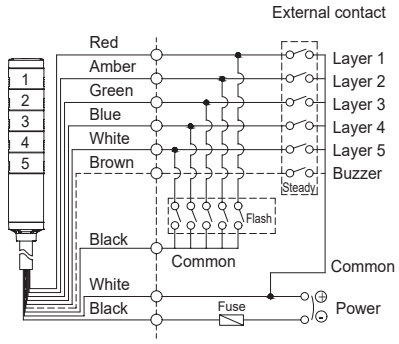
<table>
<tr><th></th><th>Wiring diagrams</th><th></th><th>Wiring diagrams</th></tr>
<tr><td>DC steady

STG40ML
STG40L
STG50ML
STG50L
STG60ML
STG60L</td><td>

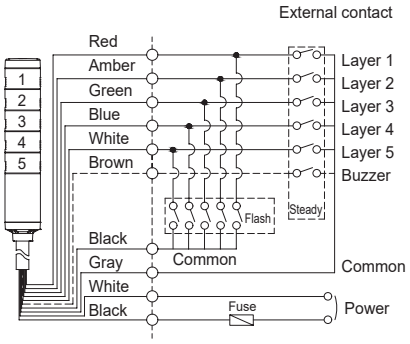
• STG □□ (M)L - Refer to this diagram for buzzer type product
• STG □□ L
└Lens diameter 40(40mm) : STG40(M)L
50(50mm) : STG50(M)L
60(60mm) : STG60(M)L</td><td>AC steady

STG40ML
STG40L
STG50ML
STG50L
STG60ML
STG60L</td><td>

• STG □□ (M)L - Refer to this diagram for buzzer type product
• STG □□ L
└Lens diameter 40(40mm) : STG40(M)L
50(50mm) : STG50(M)L
60(60mm) : STG60(M)L</td></tr>
<tr><td>DC steady/flashing

STG40MLF
STG40LF
STG50MLF
STG50LF
STG60MLF
STG60LF</td><td>

• STG □□ (M)LF - Refer to this diagram for buzzer type product
• STG □□ LF
└Lens diameter 40(40mm) : STG40(M)LF
50(50mm) : STG50(M)LF
60(60mm) : STG60(M)LF</td><td>AC steady/flashing

STG40MLF
STG40LF
STG50MLF
STG50LF
STG60MLF
STG60LF</td><td>

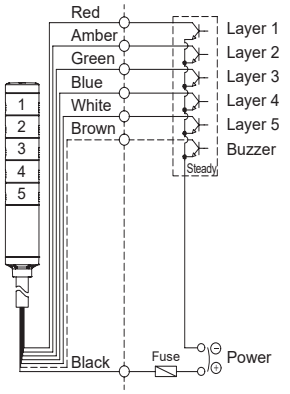
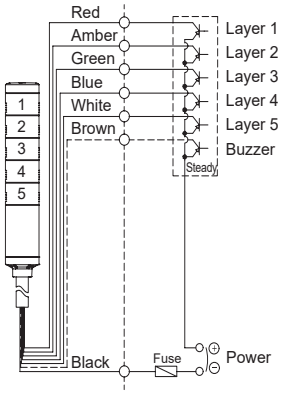
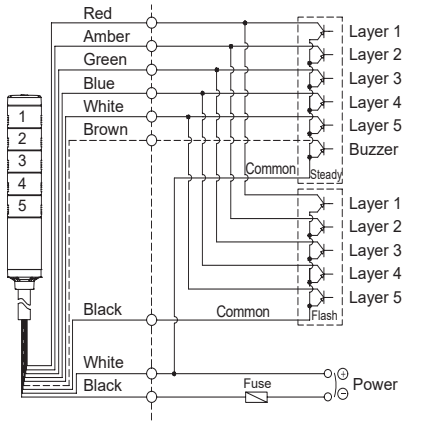
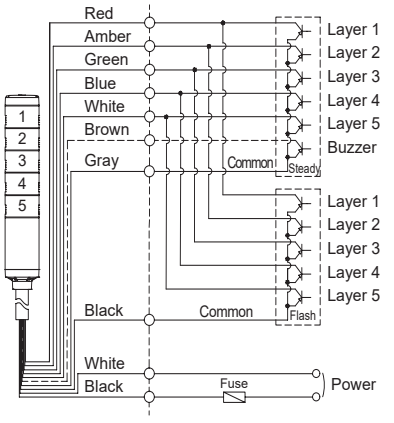
• STG □□ (M)LF - Refer to this diagram for buzzer type product
• STG □□ LF
└Lens diameter 40(40mm) : STG40(M)LF
50(50mm) : STG50(M)LF
60(60mm) : STG60(M)LF</td></tr>
</table>

• 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

■ Wiring using transistor

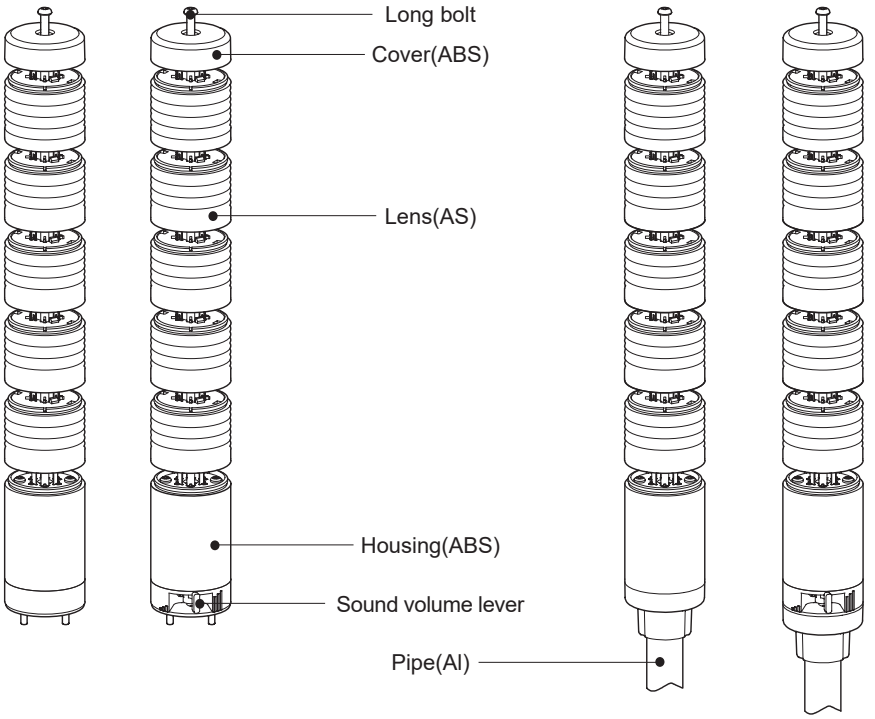
• When using a transistor, please choose between the NPN or PNP type transistor which best matches the voltage and product type, then connect them correctly according to the wiring diagrams below.

	Wiring diagrams
DC steady STG40ML STG40L STG50ML STG50L STG60ML STG60L	External Transistor-NPN  External Transistor-PNP  • STG □□ (M)LF - Refer to this diagram for buzzer type product • STG □□ L └Lens diameter 40(40mm) : STG40(M)L 50(50mm) : STG50(M)L 60(60mm) : STG60(M)L
DC steady/flashing STG40MLF STG40LF STG50MLF STG50LF STG60MLF STG60LF	External Transistor-PNP  • STG □□ (M)LF - Refer to this diagram for buzzer type product • STG □□ LF └ Lens diameter 40(40mm) : STG40(M)LF 50(50mm) : STG50(M)LF 60(60mm) : STG60(M)LF
AC steady/flashing STG40MLF STG40LF STG50MLF STG50LF STG60MLF STG60LF	External Transistor-PNP  • STG □□ (M)LF - Refer to this diagram for buzzer type product • STG □□ LF └ Lens diameter 40(40mm) : STG40(M)LF 50(50mm) : STG50(M)LF 60(60mm) : STG60(M)LF

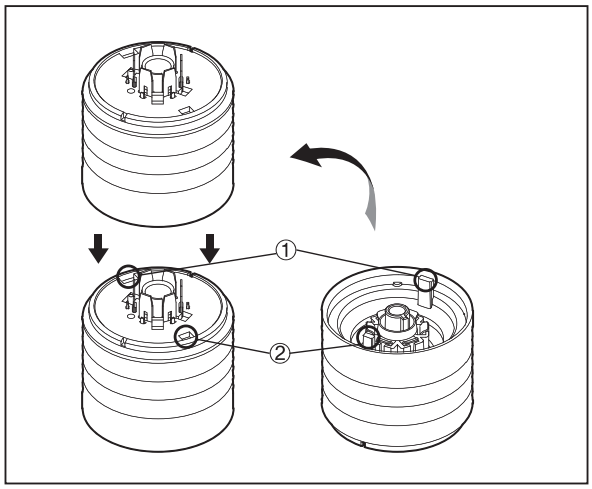
• DC steady type cable specification : External power/ signal line - UL1007 AWG22(0.3sq) 400mm

• 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

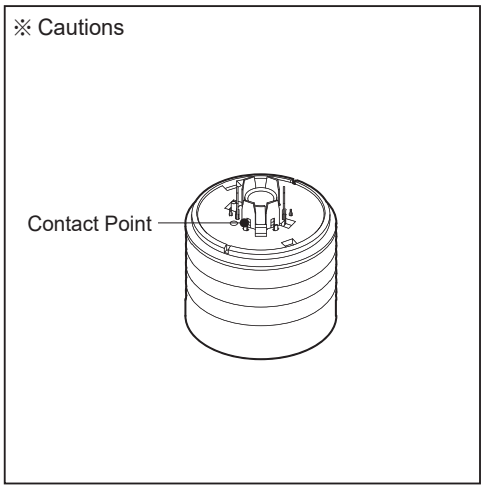
Parts Definition



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.

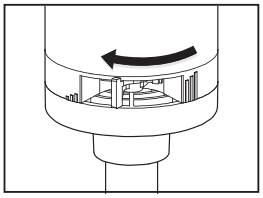


Lens modules are connected through contact point of each module. In case the contact point is damaged, it may cause a contact failure.

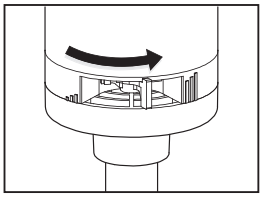
Installation Environment and Protection Rating

- 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 show in the diagram to the left.
(Min. 65±4dB/m)

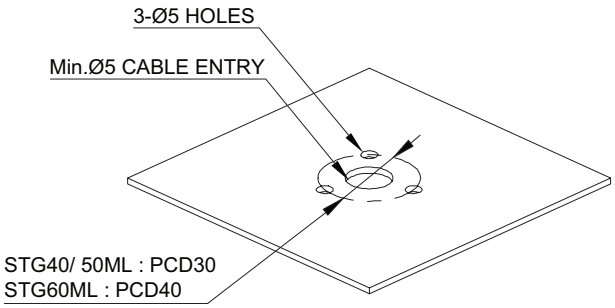


Raise/ increase the buzzer volume by sliding the control lever to the right as shown in the diagram to the left.
(Max. 85±4dB/m)

Mounting Hole Specifications

■ **STG40ML/ STG50ML/STG60ML-Direct Mounting Type Model**

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



STG40ML/ STG50ML/ STG60ML

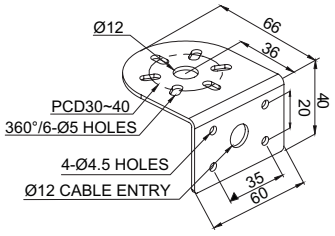
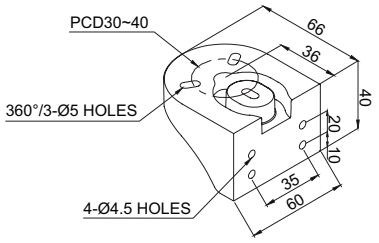
② Remove the flange nuts from bolts and place the product through the mounting surface holes.

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

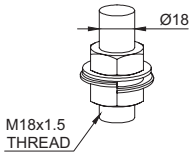
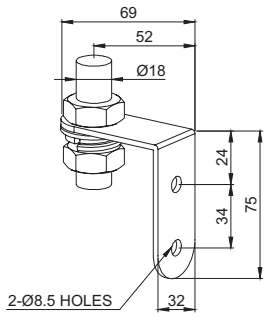
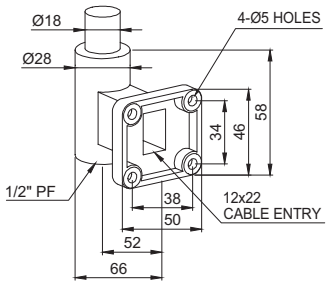
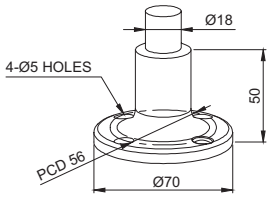
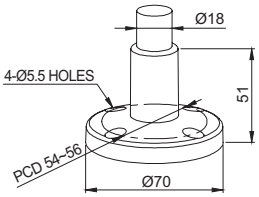
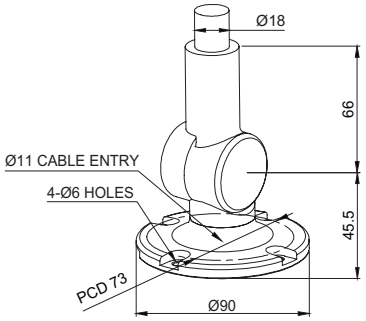
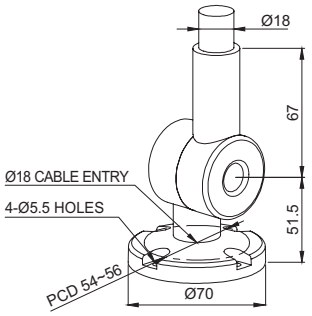
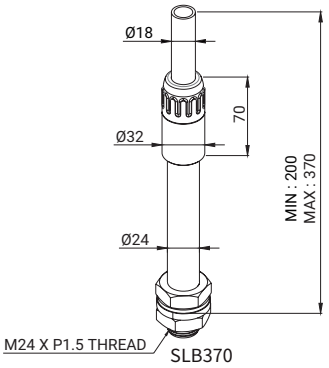
Mounting Accessories (Sold Separately)

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

■ **STG40ML/ STG50ML/STG60ML- Direct Mounting Type Model**

	Dimensions	
STG40 series STG50 series STG60 series	 TWS45	 TWA45

■ STG40L/ STG50L/ STG60L - Pole Mounting Type Model

	Dimensions	
STG40 series STG50 series STG60 series	 18mm SCREW & NUT	 LB18
	 LW18	 SZ18
	 QZ18	 SL18
	 QL18	 SLB370

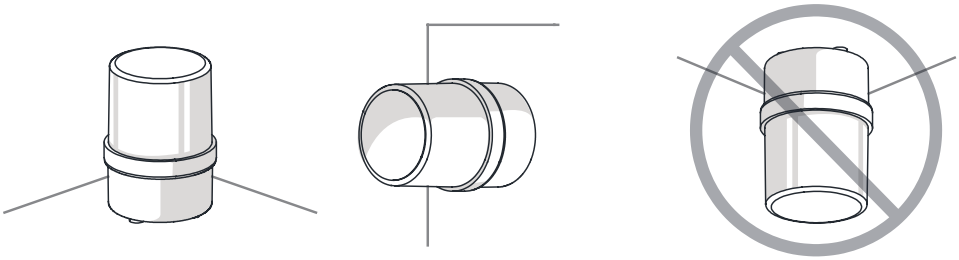
Product installation direction

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

· BEACON/SIGNALING LIGHT

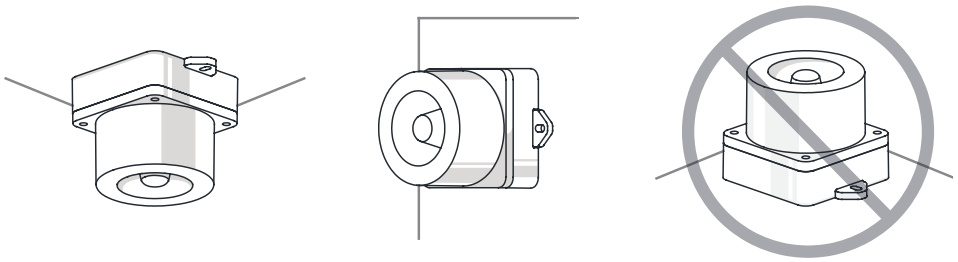
※ For products with a protection rating of less than IPX4, please install it vertically.

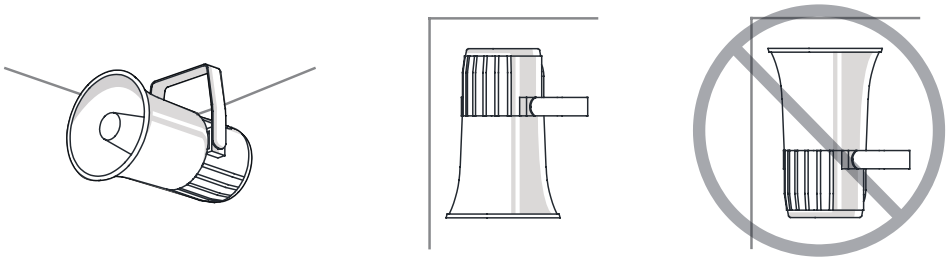
Power cord inlet part shall not be facing the sky.



· ELECTRONIC SOUNDER/SIGNAL HORN

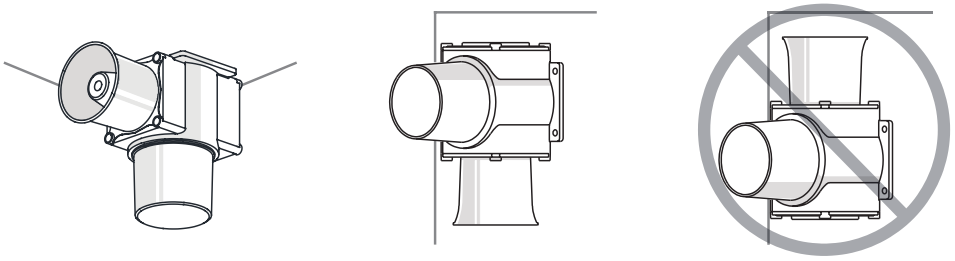
Sounder part shall not be facing the sky.





· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

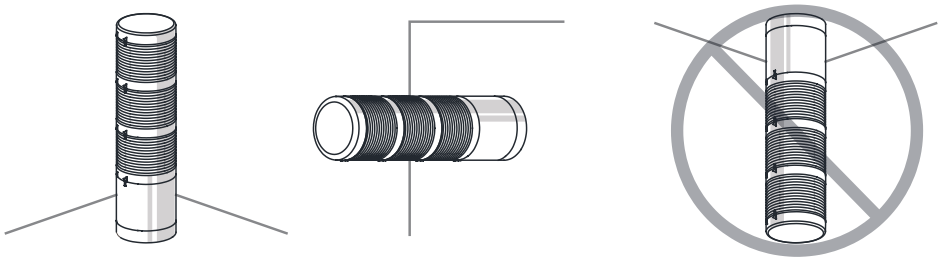
Sounder part shall not be facing the sky.



· 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

⚠ 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.

Korea Corporation Qlight Co., Ltd. www.qlight.com | trade@qlight.com
Head Office | Suite #1510, STX-V Tower, 128 Gasan Digital 1-ro, Geumcheon-gu, Seoul, 08507, South Korea
Tel: +82-2-2679-6152 Fax: +82-2-2679-6154
Factory(Gimhae Production Headquarters) | 185-25, Mukbang-ro, Sangdong-myeon, Gimhae-si, Gyeongsangnam-do, 50805, South Korea
Tel: +82-55-328-1111
Overseas Sales Department | Qlight Building, 704 Nakdong-daero, Sasang-gu, Busan 47044, South Korea Tel: +82-51-620-4100
Busan Business Centerr | Qlight Building, 704 Nakdong-daero, Sasang-gu, Busan 47044, South Korea Tel: +82-51-245-0017

China Corporation SHANGHAI Qlight Electronic Co., Ltd. www.qlight.com www.qlightcn.com | qlightcn@qlight.com
Sales Corporation (Shanghai) | Room 333 Building B, No.11, Lane 450, Zhenda Road, Baoshan District, Shanghai, China
Tel: +86-21-6651-7100 Fax: +86-21-6315-3929
Manufacturing Corporation (Qidong) | No.33, Haiyan Road, Qidong High-tech Industrial Development Zone, Qidong, Jiangsu Province, China
Tel: +86-513-8384-9999 Fax: +86-513-8384-9910

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Product Operation Inquiry / Customer Support +82-51-620-4100
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Head office : Suite #1510, STX-V Tower, 128 Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (Postal Code : 08507)
Factory : 185-25, Mukbang-Ro, Sangdong-Myeon, Gimhae-Si, Gyeongsangnam-Do, Korea (Postal Code : 50805)
www.qlight.com

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