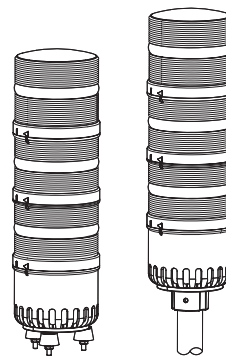


# LED Steady/ Flashing Tower Lights

## QAT80(M)L



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

#### • QAT80L

QAT80L	3	12/24	RAG	LW24
[Model number]	[Layer count]	[Voltage]	[Color]	[Mounting option]
• QAT80L	• 3-3 Layers	• 12/24	R-Red	• (Blank)
• QAT80L-BZ		-DC12V-DC24V	A-Amber	- Standard type
• QAT80LF			G-Green	• Mounting type
• QAT80LF- BZ				- LB 24
				- LW 24
				- QZ 24
				- SZ 24
				- QL 24
				- SL 24

#### • QAT80ML

QAT80ML	3	12/24	RAG
[Model number]	[Layer count]	[Voltage]	[Color]
• QAT80ML	• 3-3 Layers	• 12/24	R-Red
• QAT80ML-BZ		-DC12V-DC24V	A-Amber
• QAT80MLF			G-Green
• QAT80MLF- BZ			



Please scan the QR code for more detailed product information.

[www.qlight.com](http://www.qlight.com)

## Product Specifications

- QAT80ML

Model number	Layer count	Voltage	Certificate	Weight	Color
QAT80ML Steady	3	DC12V -24V	CE	0.50Kg	R-Red A-Amber G-Green
QAT80ML-BZ Steady w/ built-in buzzer				0.62Kg	
QAT80MLF Steady/Flashing				0.50Kg	
QAT80MLF-BZ Steady/Flashing w/ built-in buzzer				0.62Kg	

Light source/buzzer current(based on 1 layer)		
Voltage condition	DC12V~24V	DC24V
Light source current (1 layer)	Max.0.200A	0.100A
Buzzer current	Max.0.050A	0.050A

※CE Compliant : DC24V(QAT80L/QAT80ML)

- **Protection rating : IP65**
- **Ambient operating temperature : -30°C to +50°C**

- QAT80L

Model number	Layer count	Voltage	Certificate	Weight	Color
QAT80L Steady	3	DC12V -24V	CE	0.50Kg	R-Red A-Amber G-Green
QAT80L-BZ Steady w/ built-in buzzer				1.10Kg	
QAT80LF Steady/Flashing				0.50Kg	
QAT80LF-BZ Steady/Flashing w/ built-in buzzer				1.10Kg	

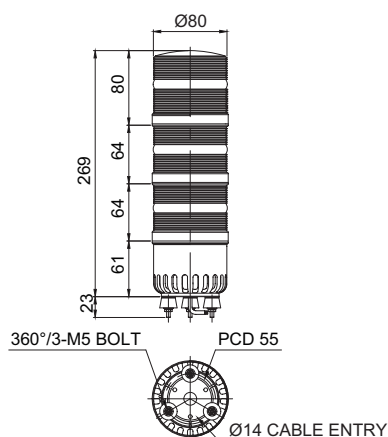
Light source/buzzer current(based on 1 layer)		
Voltage condition	DC12V~24V	DC24V
Light source current (1 layer)	Max.0.200A	0.100A
Buzzer current	Max.0.050A	0.050A

## Dimensions

**Dimensions** (Units : mm)

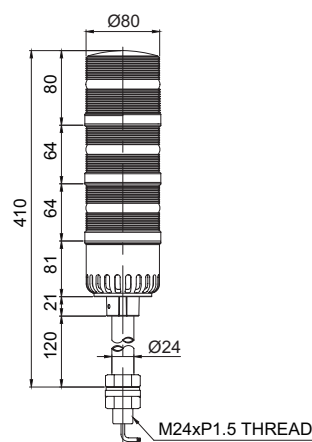
- QAT80ML

QAT80ML : DC  
QAT80ML-BZ : DC  
QAT80MLF : DC  
QAT80MLF-BZ : DC



- QAT80L

QAT80L : DC  
QAT80L-BZ : DC  
QAT80LF : DC  
QAT80LF-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.

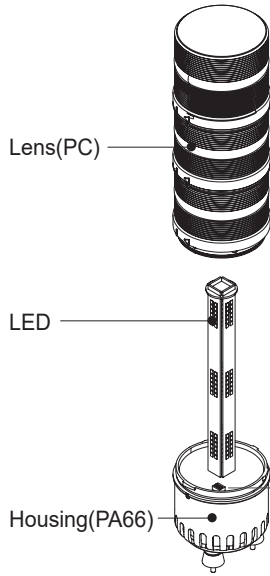
**Wiring diagrams**

DC Steady/Flashing

QAT80ML  
QAT80L

## Parts Definition/ Light Function Selection

### ■ Parts Definition



### ■ Light Function Selection

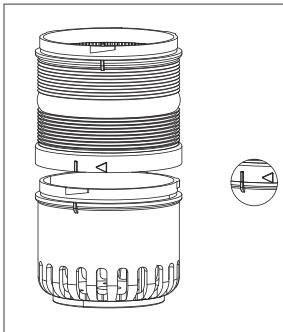
- Please refer to the chart below to use light function selection switch located inside the product.

No.	1 2 3			Light function
	R	A	G	
1	1	0	0	R-LED Flashing
2	0	1	0	A-LED Flashing
3	0	0	1	G-LED Flashing
* OFF-LED Steady, ON-LED Flashing				

- Default function is set at steady LED. Select the desired function for your application during installation.

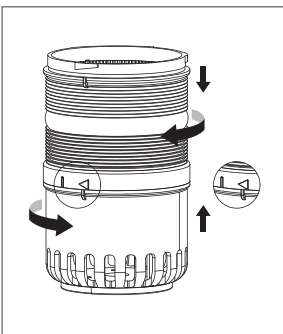
## How to replace the module/ Mounting Hole Specifications

### ■ How to replace the module



- Disassembling the module

- Twist the upper module kit in a counterclockwise direction so the "□" mark from both kits align.
- Disassemble by removing the upper module kit from the lower one.



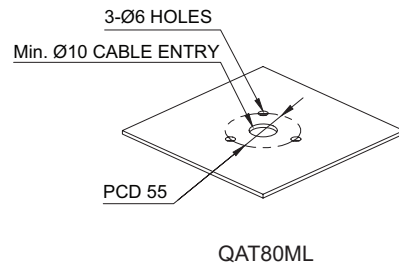
- Assembling the module

- Put the two module together by aligning the upper module' "□" mark and the lower module' "□" mark together.
- Lock the two kits by twisting the upper module kit in a clockwise direction so the upper module' "◁" mark aligns with the lower module' "□" mark.

### ■ Mounting Hole Specifications

#### (QAT80ML-Direct Mounting Type Model)

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



- Remove the flange nuts from bolts and place the product through the mounting surface holes.
- Fasten the flange nuts on the opposite side of the mounting surface until the product is tightened securely.

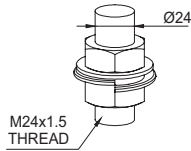
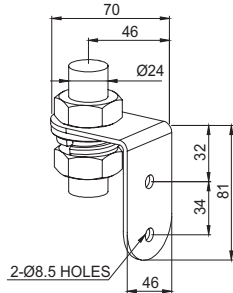
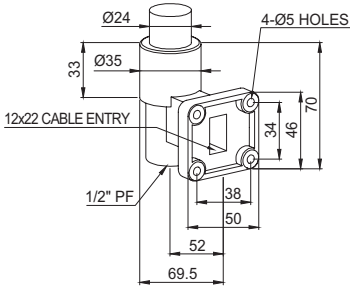
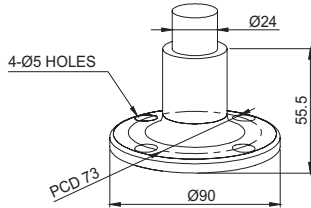
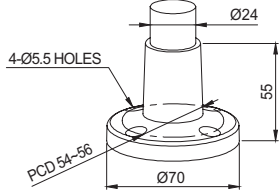
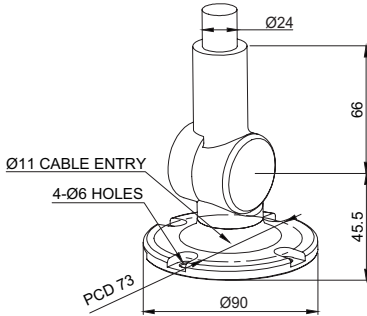
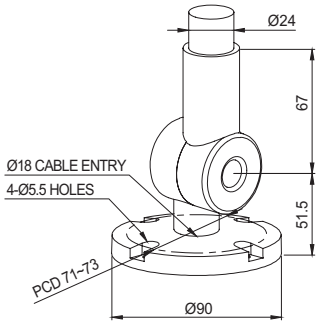
## Installation Environment and Protection Rating

- This product is designed for indoor use with protection rating of IP65.
- 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](http://www.qlight.com)).

## Mounting Accessories (Sold Separately)

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

### ■ QAT80L - Pole Mounting Type Model

	Dimensions	
QAT80L	 <p>M24x1.5 THREAD</p> <p>Ø24</p>	 <p>70</p> <p>46</p> <p>Ø24</p> <p>32</p> <p>34</p> <p>81</p> <p>46</p> <p>2-Ø8.5 HOLES</p>
	24mm SCREW & NUT	LB24
	 <p>Ø24</p> <p>Ø35</p> <p>33</p> <p>12x22 CABLE ENTRY</p> <p>1/2\" PF</p> <p>4-Ø5 HOLES</p> <p>34</p> <p>46</p> <p>70</p> <p>38</p> <p>50</p> <p>52</p> <p>69.5</p>	 <p>Ø24</p> <p>4-Ø5 HOLES</p> <p>PCD 73</p> <p>Ø90</p> <p>55.5</p>
	LW24	SZ24
	 <p>Ø24</p> <p>4-Ø5.5 HOLES</p> <p>PCD 54-56</p> <p>Ø70</p> <p>55</p>	 <p>Ø24</p> <p>66</p> <p>Ø11 CABLE ENTRY</p> <p>4-Ø6 HOLES</p> <p>PCD 73</p> <p>Ø90</p> <p>45.5</p> <p>51.5</p>
	QZ24	SL24
	 <p>Ø24</p> <p>67</p> <p>Ø18 CABLE ENTRY</p> <p>4-Ø5.5 HOLES</p> <p>PCD 71-73</p> <p>Ø90</p> <p>51.5</p>	
	QL24	

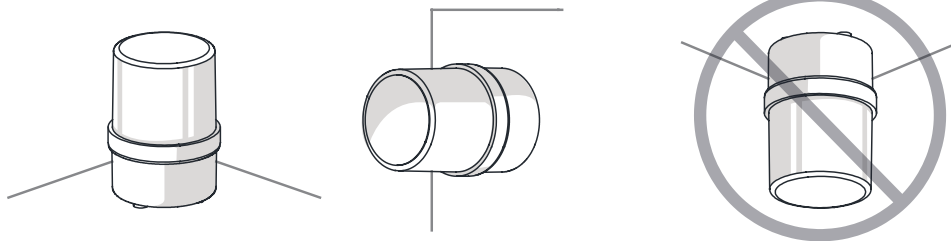
## Product installation direction

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

### · BEACON/SIGNALING LIGHT

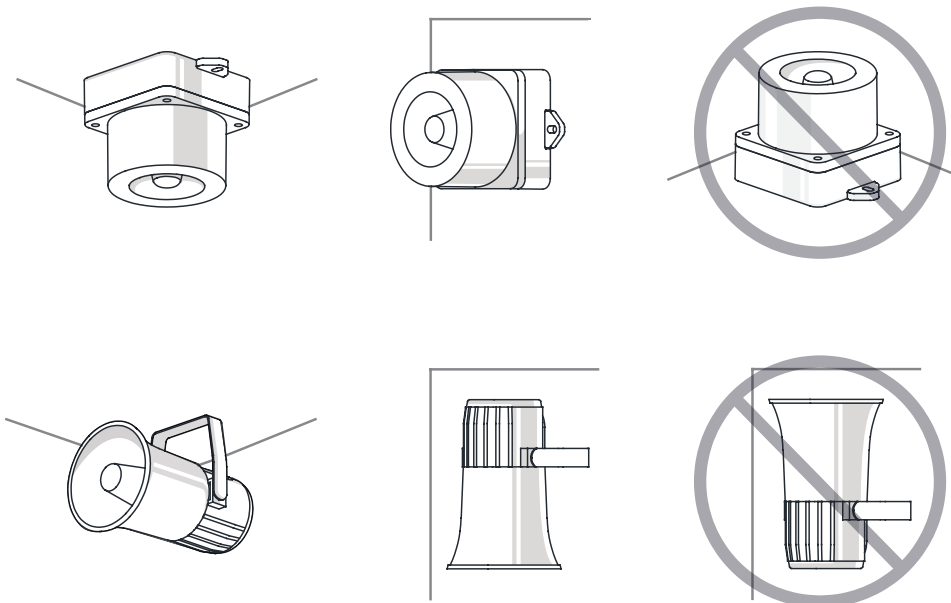
※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.



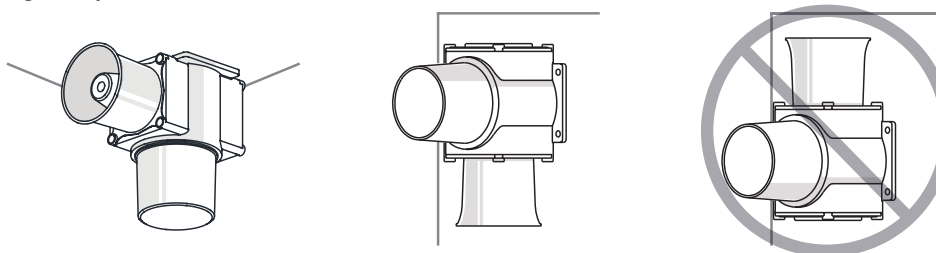
### · ELECTRONIC SOUNDER/SIGNAL HORN

Sounder part shall not be facing the sky.



### · HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

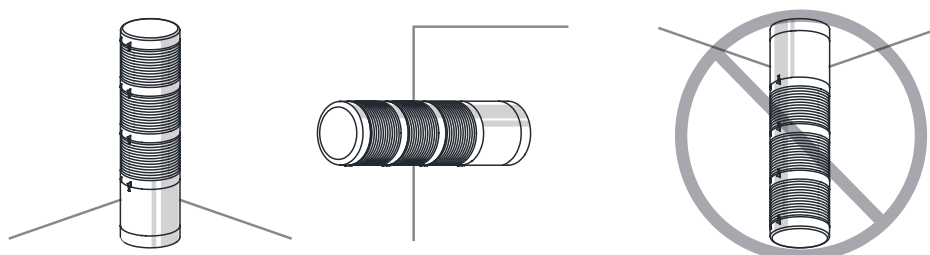
Sounder part shall not be facing the sky.



### · 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.









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.

**Qlight Co., Ltd.** [www.qlight.com](http://www.qlight.com) | [trade@qlight.com](mailto:trade@qlight.com)

Head Office | Suite #1510, STX-V Tower, 128 Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea

Tel. +82-2-2679-6152(Toll free. +82-80-328-2222) Fax. +82-2-2679-6154

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

Qlight OverSEAs Sales Dept | 704 Nakdong-daero, Sasang-gu, Busan, Korea(Eomgung-Dong) Tel : +82-51-620-4100

Qlight Public Relations & Marketing Team Office | 704 Nakdong-daero, Sasang-gu, Busan, Korea(Eomgung-Dong) Tel. +82-51-245-0017

---

**Qlight USA, Inc.** [www.qlight.com](http://www.qlight.com) [www.qlightusa.com](http://www.qlightusa.com) | [sales@qlightusa.com](mailto:sales@qlightusa.com)

3003 North First Street, Suite #341, San Jose, CA 95134 USA Tel. +1-408-519-5740 Fax. +1-408-519-5739

---

**SHANGHAI Qlight Electronic Co., Ltd.** [www.qlight.com](http://www.qlight.com) [www.qlightcn.com](http://www.qlightcn.com) | [qlightcn@qlight.com](mailto:qlightcn@qlight.com)

China Factory/ Shanghai Sales Office | #19, Nanda Road, Baoshan Area, Shanghai, China Tel. +86-21-6651-7100 Fax. +86-21-6315-3929

China Factory Site 2 (Qidong) | #33, Haiyan Road, Qidong High-tech Industrial Development Zone, Qidong, Jiangsu Province, China

Tel +86-513-8384-9999 Fax +86-513-8384-9910

**Qlightec**

Innovation in Alarm & Signal

Product Operation Inquiry / Customer Support +82-51-620-4100

You can expect prompt service if you have exact information such as model name, symptom, telephone number and address.

※ ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

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](http://www.qlight.com)

EN - QAT80L - 2208A