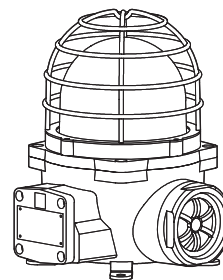
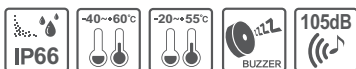


# Explosion Proof Bulb Revolving Warning Light with Siren Buzzer

## SNES/ SNESL/ SNESLR/ SNES-S



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

### **⚠ Safety Precautions for Explosion Proof Products**

Please follow the instruction below to ensure safe and correct use of explosion proof products.

1. Explosion proof products should be managed according to explosion proof regulations. Do not disassemble, assemble, alter or repair the product arbitrarily.
2. The temperature rating of the product is the temperature the product will experience at the applied rated voltage and ambient temperature indicated.
3. Use cable glands that satisfy the product's explosion proof grade and temperature grade.
4. Unused cable entries must be filled with material that meets the explosion proof grade and temperature rating.
5. Before installing the product, please make sure all cautions indicated on the labels, packaging, and operation manual of the product are fully understood.
6. Installation, maintenance and repair of the product must be performed by experts in the explosion proof field, or persons who have received relevant training.
7. For safety, the product should be installed and operated in environments that avoid high temperature and high pressure.
8. Please follow general safety precautions and avoid installing the product in locations that may generate excessive heat.
9. When installing the product in places where chemicals are located, please make sure that the environment does not have two or more incompatible chemicals mixed. For safety, please read the instruction manual carefully and be mindful of the chemical compositions where the product is used.
10. This product requires grounding.
11. Please note that special conditions shall be applied if the sign "X" is placed after the certificate number.
  - 1) For safe use, regular overpressure test must be carried out in accordance with EN 60079-1, clause 15.2.3.
  - 2) For safe use, tempered glass must be protected from strong impact
12. When using NPT cable glands (plugs), it is recommended to use them after applying non-hardening grease to maintain protective performance.

### **⚠ Precaution 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.



Please scan the QR code for more detailed product information.

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

## Ordering Specifications


SNES	-	230	-	R
[Model number]		[Voltage]		[Color]
• SNESLR		• 12-DC12V		R-Red
• SNESL		• 24-DC24V		A-Amber
• SNES-S		• 120-AC120V		G-Green
• SNES		• 230-AC230V		B-Blue



## Product Specifications

### Explosion Proof Specifications

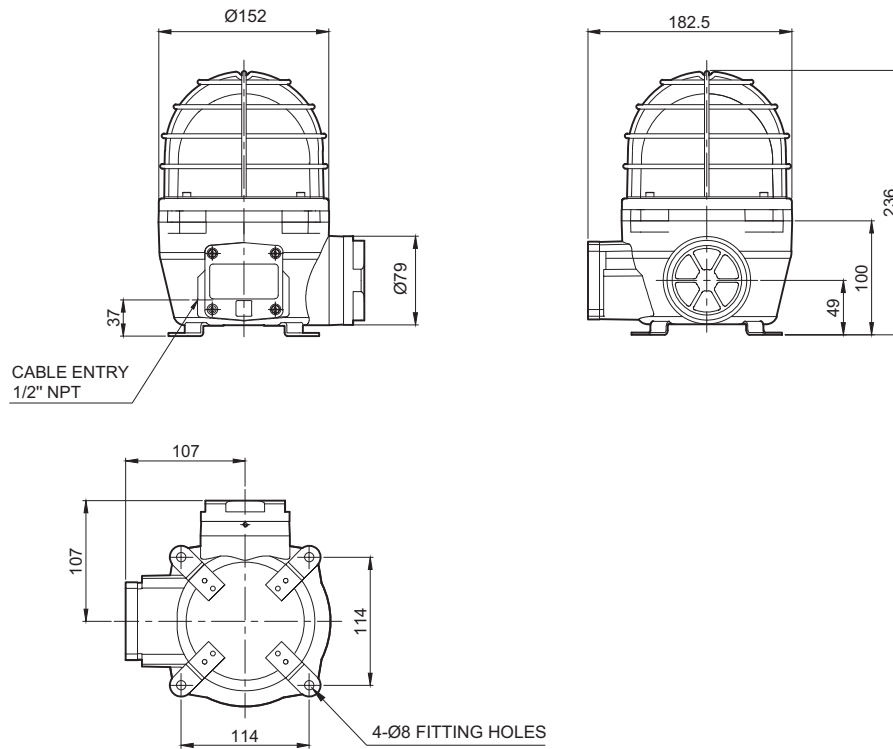
Model number	SNES	Zone definitions(Gas)	Zone 1	High risk gas/vapour(Gas)
	SNESL		Zone 2	Medium risk gas/vapour(Gas)
	SNESLR		GROUP II A	Acetone, Petrol, Methanol, Propane, Toluene
	SNES-S		GROUP II B	Ethylene, City gas
Range of operating voltage	DC 12V or 24V	Group definitions(Gas)	GROUP II C	Hydrogen, Acetylene, Carbon sulphide
	AC 120V or 230V		T1	450°C
Ex mark	IECEX - Ex db IIC T6 Gb, Ex db op is IIC T6 Gb (with LED) ATEX - Ex db IIC T6 Gb (with LED) NEPSI, CCC - Ex db IIC T6 Gb, IP66 KCs - Ex d IIB+H2 T6 IP66 TIIS - Ex d IIC T6 Gb, IP66 (SNESLR DC12/24V, AC110V only)	Maximum surface temperature of electrical equipment	T2	300°C
			T3	200°C
			T4	135°C
			T5	100°C
			T6	85°C
			Zone 21	High risk powder/dust(Dust)
Ambient operating temperature	-40°C ≤ Tamb ≤ +60°C	Zone definitions(Dust)	Zone 22	Medium risk powder/dust(Dust)
	-20°C ≤ Tamb ≤ +55°C(TIIS)		GROUP II A	Ignitable fibers/flyings(more than 0.5mm)
Explosion proof Zone	Zone1, Zone2	Group definitions(Dust)	GROUP II B	Non-conductive dusts
Protection rating	IP66		GROUP II C	Conductive dusts

### General Product Specification

Model number	Voltage	Current	Bulb specifications			Sound pattern and volume	Certificate	Weight	Color	
			Volts/Watts	Configuration	Part#					
SNES	DC12V	1.400A	12V15W	G23 15S	17	• Warning sound (Buzzer) : Max.105dB		3.70kg	R-Red A-Amber G-Green B-Blue	
	DC24V	0.940A	24V15W	G23 15S	18			4.40kg		
	AC120V	0.200A	12V15W	G23 15S	17			3.60kg		
	AC230V	0.110A	12V15W	G23 15S	17			4.25kg		
SNES-S	DC12V	0.590A	200V -350V	BGA2120 -BBC I type	47					
	DC24V	0.450A								
	AC120V	0.115A								
	AC230V	0.075A								

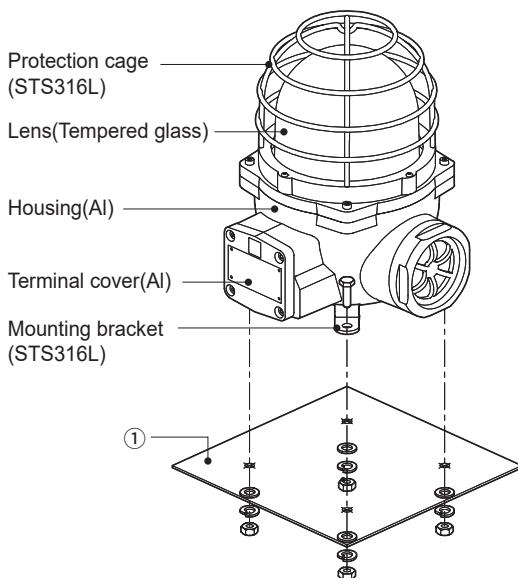
Model number	Voltage	Current	Sound pattern and volume	Certificate	Weight	Color
SNESL	DC12V	0.270A	• Warning sound (Buzzer) : Max.105dB		3.65kg	R-Red A-Amber G-Green B-Blue
	DC24V	0.340A			4.30kg	
	AC120V	0.060A			3.60kg	
	AC230V	0.050A			4.30kg	
SNESLR	DC12V	0.370A			3.60kg	
	DC24V	0.370A			4.30kg	
	AC120V	0.096A			4.30kg	
	AC230V	0.050A			4.30kg	

## SNES/ SNESL/ SNESLR/ SNES-S



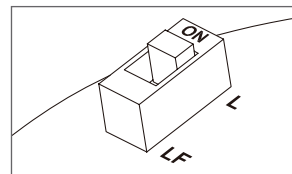
## Parts Definition/ Installation/ Light Function Selection

### ■ Parts Definition

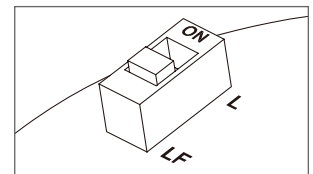


### ■ Light Function Selection (SNESL only)

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



► L: Steady



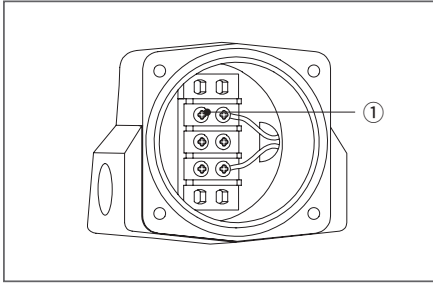
► LF: Flashing

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

### ■ Installation

- First, machine holes on the mounting surface ①.
- The mounting hole of this product is 8mm in diameter.
- When machining taps, fasten the bolt through the mounting hole of the bracket.
- When machining holes, insert the bolt through the hole of the product, and tighten the nut from the opposite side of the mounting surface.

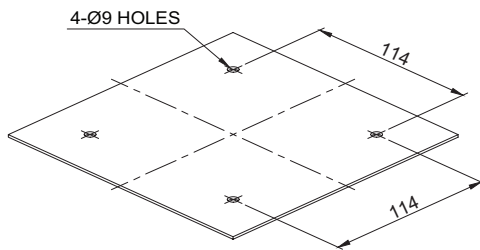
## Terminal Box Wiring Instructions



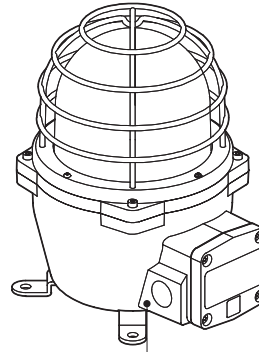
- Terminal block is located inside of the product. Unscrew the 4 bolts located in the upper body to get rid of the upper lighting element of the unit.
  - Please apply fork (U-type) or ring (O-type) locking spade terminal at naked tip of the wire for secure connection.
  - Please wire the power line to terminal ①.
  - For AC type products, wire regardless of polarity.
  - For DC type products, wire terminal of black line to (-) polarity.
  - External power line - UL1015 AWG18(0.75sq) x 2C 400mm.
  - Once the unit is powered on, light and buzzer are working simultaneously.
- ※ Applicable cable range : AWG16-AWG22

## Mounting Hole Specifications

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



## Grounding Instructions

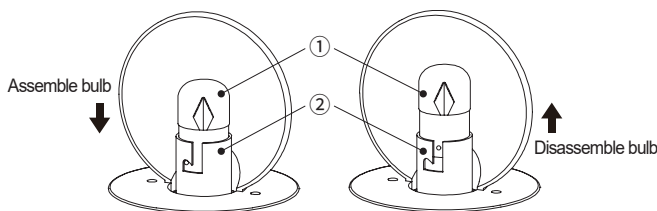


M4 ground contact part

- Please use an M4 bolt at the location marked in the diagram above to ground the product.
- When connecting the grounding cable, please use a ring terminal.
- Please use a grounding cable with a diameter greater than 4mm.

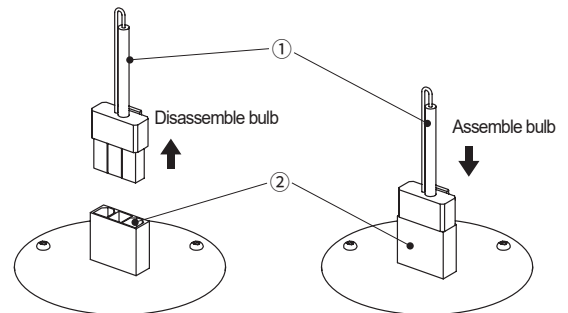
## Bulb/ Xenon Bulb Replacement Instructions

### ■ Bulb Replacement Instructions(SNES only)



- Please wait at least 1 minute after turning off the power before replacing the bulb.
- In order to disassemble the bulb, please push down the bulb(①) lightly and screw it counterclockwise.
- In order to put the bulb in to the unit, please place the bulb(①) in the socket(②) and screw it clockwise while lightly pushing down the bulb.

### ■ Xenon Bulb Replacement Instructions(SNES-S only)



- Please wait at least 30 minutes after turning off the power before replacing the xenon bulb.
- Please pull out the entire xenon bulb structure ① to disassemble while pushing the hook down.
- For xenon bulb assembly, please push down the connector portion of the xenon bulb structure to the connector pin location ② until it makes "clark" sound.

## Installation Environment and Protection Rating

- This product is designed to be explosion proof.
- Please make sure to use the product in an environment that meets the specified explosion proof rating and regulations.
- For further information, please visit our website (<http://www.qlight.com>).

## Product installation direction

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

### · BEACON/SIGNALING LIGHT

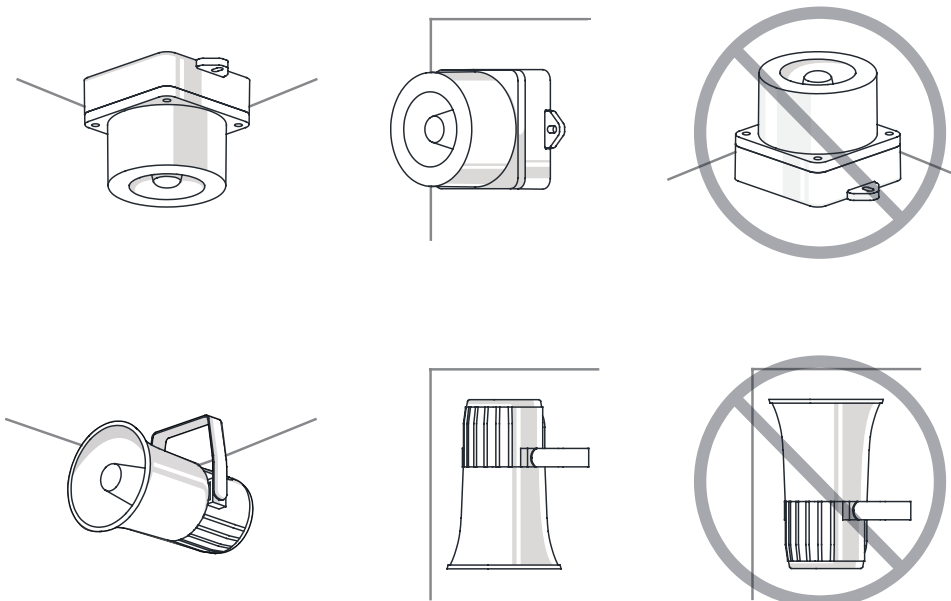
※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.



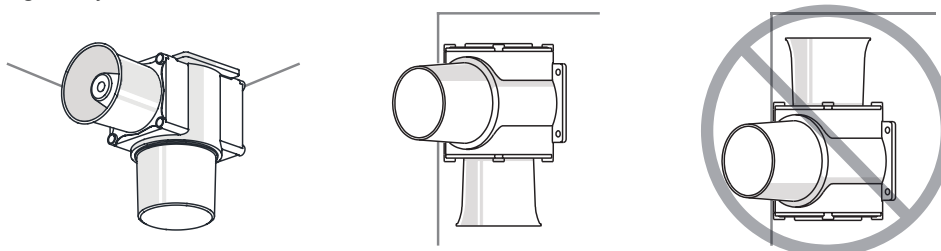
### · ELECTRONIC SOUNDER/SIGNAL HORN

Sounder part shall not be facing the sky.



### · HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

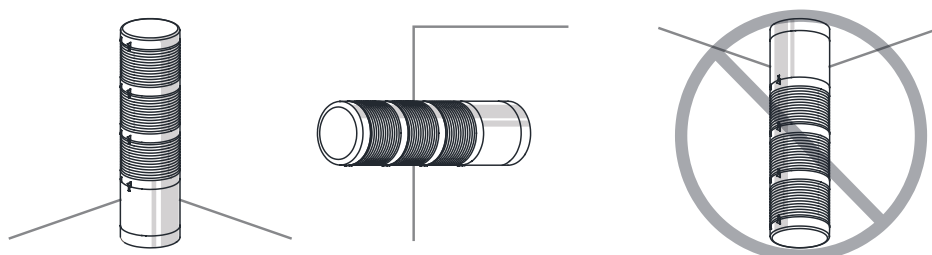
Sounder part shall not be facing the sky.



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

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