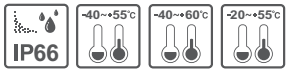
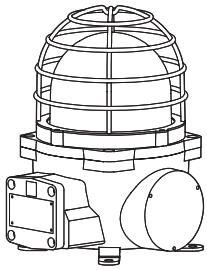
Explosion Proof Warning Light/ Signal Light

SNE/SNEL/SNELR/SNE-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. Fasteners used for the explosion-proof enclosure must have a yield strength of at least 737 N/mm². Replacement or modification of parts without the manufacturer's approval is prohibited, and the user shall be responsible for any such actions.
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

Ordering Specifications

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

Product Specifications

■Explosion Proof Specifications

Model number	SNE
	SNEL
	SNELR
	SNE-S
Range of operating voltage	DC 12V or 24V AC 120V or 230V
Ex mark	IECEx - Ex db IIC T6 Gb, Ex db op is IIC T6 Gb(with LED) TIIS - Ex d IIC T6 Gb, IP66 ATEX - Ⓔx II2G Ex db IIC T6 Gb Ⓔx II2G Ex db op is IIC T6 Gb (with LED) NEPSI, CCC, CCS - Ex db IIC T6 Gb, IP66 KCs - Ex d IIC T6 IP66
Ambient operating temperature	-40°C ≤ Tamb ≤ +60°C -40°C ≤ Tamb ≤ +55°C(KCs) -20°C ≤ Tamb ≤ +55°C(TIIS)
Explosion proof Zone	Zone1, Zone2
Protection rating	IP66

Zone definitions(Gas)	Zone 1	High risk gas/vapour(Gas)
	Zone 2	Medium risk gas/vapour(Gas)
Group definitions(Gas)	GROUP II A	Acetone, Petrol, Methanol, Propane, Toluene
	GROUP II B	Ethylene, City gas
	GROUP II C	Hydrogen, Acetylene, Carbon sulphide
Maximum surface temperature of electrical Equipment	T1	450°C
	T2	300°C
	T3	200°C
Zone definitions(Dust)	T4	135°C
	T5	100°C
Group definitions(Dust)	T6	85°C
	Zone 21	High risk powder/dust(Dust)
	Zone 22	Medium risk powder/dust(Dust)
Group definitions(Dust)	GROUP II A	Ignitible fibers/flyings(more than 0.5mm)
	GROUP II B	Non-conductive dusts
	GROUP II C	Conductive dusts

■General Product Specifications

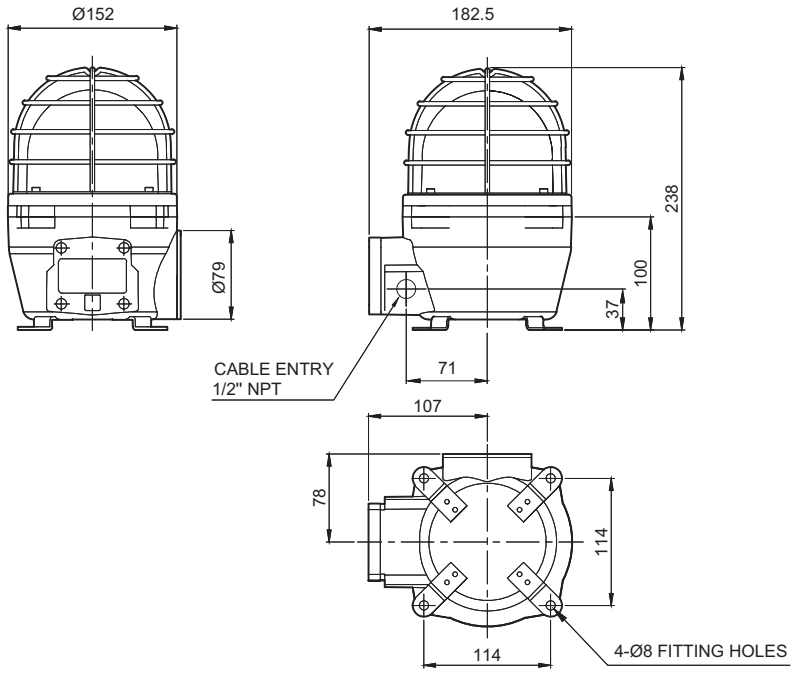
Model number	Voltage	Current	Bulb specifications			Certificates	Weight	Color
			Volts/Watts	Configuration	Part#			
SNE	DC12V	1.39A	12V15W	G23 15S	17	IECEx Ⓔx ATEX KCs NEPSI CCS CCC	3.25kg	R-Red A-Amber G-Green B-Blue
	DC24V	800mA	24V15W	G23 15S	18			
	AC120V	180mA	12V15W	G23 15S	17		3.95kg	
	AC230V	100mA	12V15W	G23 15S	17			
SNE-S	DC12V	500mA	220V -350V	BGA2120 -BBC I type	47	IECEx Ⓔx ATEX KCs NEPSI CCS CCC	3.60kg	
	DC24V	215mA						
	AC120V	120mA					4.25kg	
	AC230V	80mA						

Model number	Voltage	Current	Certificates	Weight	Color
SNEL	DC12V	90mA	IECEx Ⓔx ATEX KCs NEPSI CCC CCS TIIS CCC	3.65kg	R-Red A-Amber G-Green B-Blue
	DC24V	90mA			
	AC120V	60mA		4.30kg	
	AC230V	30mA			
SNELR	DC12V	170mA	IECEx Ⓔx ATEX KCs NEPSI CCS CCC	3.15kg	
	DC24V	120mA			
	AC120V	60mA		3.85kg	
	AC230V	30mA			

Dimensions

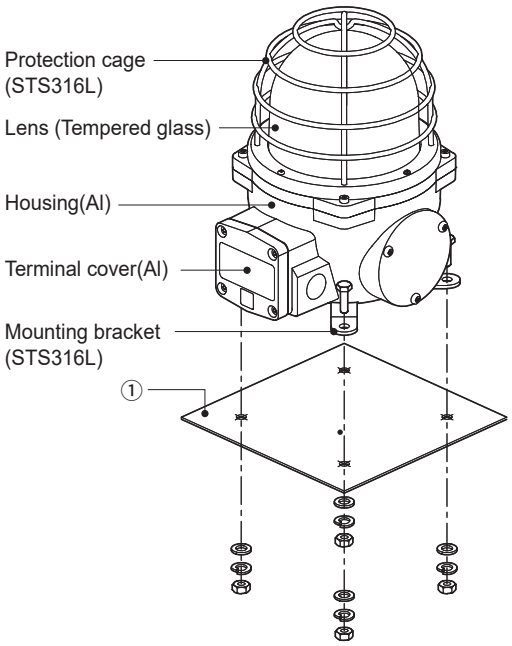
(Units : mm)

SNE/ SNEL/ SNELR/ SNE-S



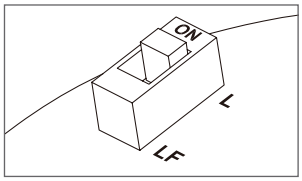
Parts Definition/ Installation/ Light Function Selection

■ Parts Definition

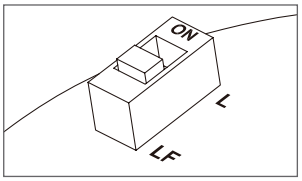


■ Light Function Selection(SNEL only)

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



▶L : Steady



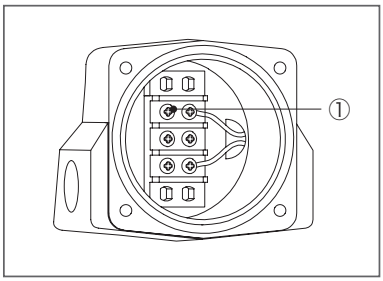
▶LF : Flashing

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

■ Installation

• First, machine taps or 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 product.
• 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

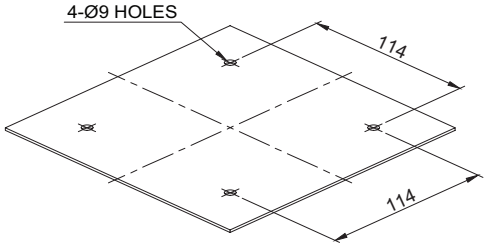


- Terminal block is located inside of the product. Unscrew the 4 bolts located in the upper body to get rid of the upper lighting element of the unit.
- Please apply fork (U-type) or ring (O-type) locking spade terminal at naked tip of the wire for secure connection.
- Please wire the power line to terminal 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

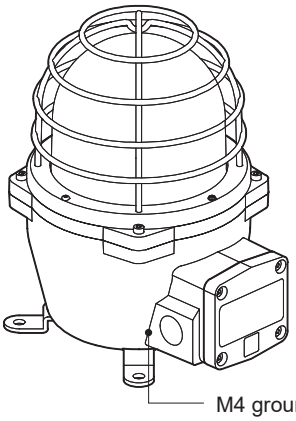
※ Applicable cable range : AWG16-AWG22

Mounting Hole Specifications

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



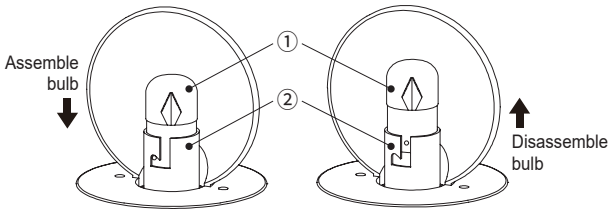
Grounding Instructions



- 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.

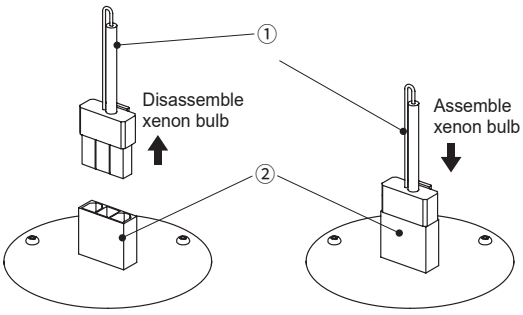
Bulb Replacement Instructions/ Xenon Bulb Replacement Instructions

■ Bulb Replacement Instructions(SNE only)



- Please wait at least 1 minute after turning off the power before replacing the bulb.
- In order to dissemble 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(SNE-S only)



- Please wait at least 30 mimutes after turning off the power before replacing the xenon bulb.
- Please pull out the entire xenon bulb structure ① to disassemble.
- For xenon bulb assembly, please ensure the connector portion of the xenon bulb structure matches the pin location②.

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.
- A cable gland is not included with this product. If the product is to be used in an outdoor environment requiring waterproof capability, please install the cable gland after applying separate sealing.
- For further information, please visit our website (www.qlight.com).

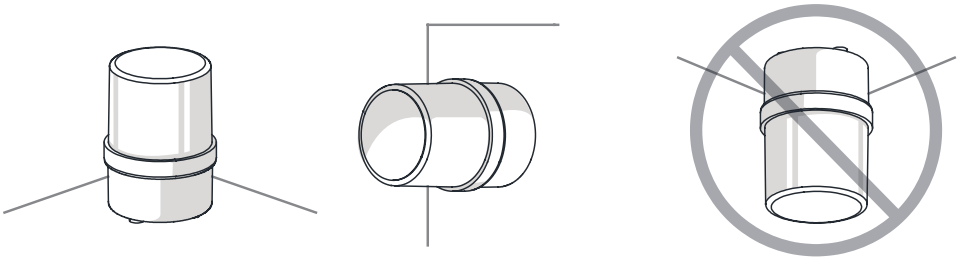
Product installation direction

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

· BEACON/SIGNALING LIGHT

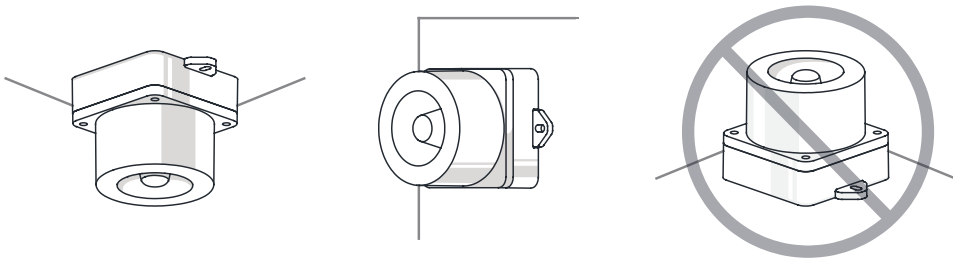
※ For products with a protection rating of less than IPX4, please install it vertically.

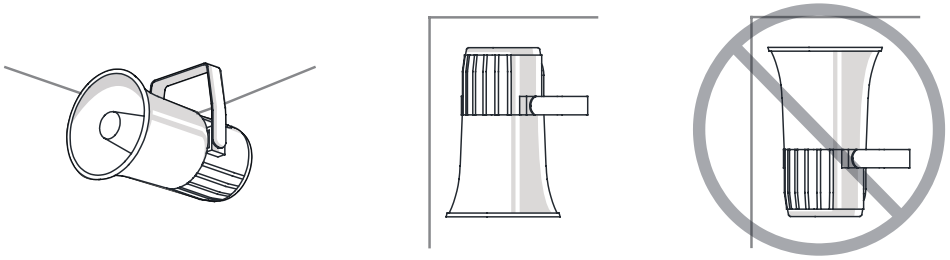
Power cord inlet part shall not be facing the sky.



· ELECTRONIC SOUNDER/SIGNAL HORN

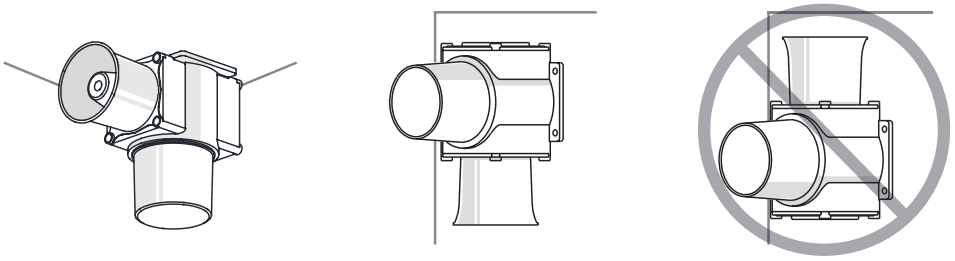
Sounder part shall not be facing the sky.





· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

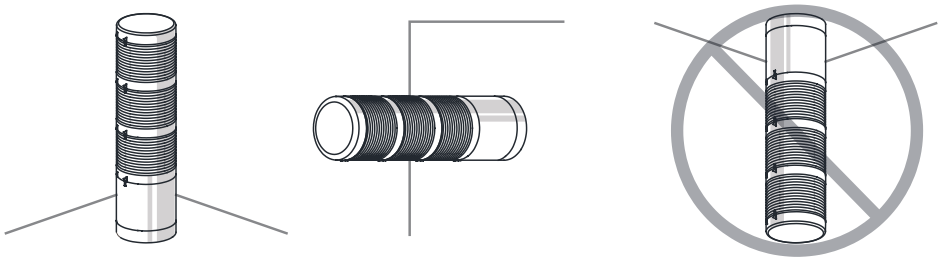
Sounder part shall not be facing the sky.



· 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.



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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