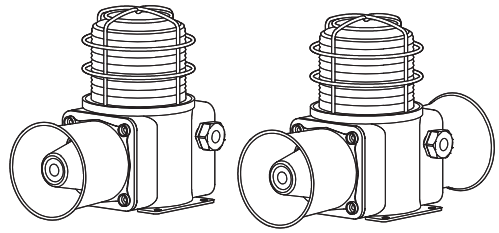# Heavy-Duty Xenon Lamp Strobe Warning Light and Electric Horn Combination for Vessels and Heavy Industry

# SHDS/ SHD2S

IP66 | -30~+50℃ | HORN | 118dB | NPN | 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, 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

| SHDS | · | WA | · | 24 | · | R |
|---|---|---|---|---|---|---|
| [Model number] | | [Sound] | | [Voltage] | | [Color] |

- SHDS
- SHD2S
- SHDSP
- SHD2SP

- WS-Warning sounds
- WM-Melodies
- WV-Customizable sounds
- WP-Special warning sounds
- WA-Alarms

- 12 - DC12V
- 24 - DC24V
- 110 - AC110V
- 220 - AC220V

R-Red
A-Amber
G-Green
B-Blue

Please scan the QR code for more detailed product information.

www.qlight.com

## Product Specifications

| Model number | Voltage | Current | Bulb specifications | | | Sound pattern and volume | Certificate | Weight | Color |
|---|---|---|---|---|---|---|---|---|---|
| | | | Volts/Watts | Configuration | Part# | | | | |
| SHDS SHDSP | DC12V | 2.500A | 200V -550V | EUB0641 -1A(G) U type | 48 | • WS-5 Warning Sounds : Max.114dB<br>• WP-Special warning sounds : Max.114dB<br>• WM-5 Melodies : Max.110dB<br>• WA-5 Alarms : Max.114dB<br>• WV-5 Customizable sounds : 108-113dB | CCS CE | • SHDS DC-3.05kg AC-3.38kg<br>• SHDSP DC-3.30kg AC-3.60kg | R-Red A-Amber G-Green B-Blue |
| | DC24V | 1.400A | | | | | | | |
| | AC110V | 0.360A | | | | | | | |
| | AC220V | 0.220A | | | | | | | |
| SHD2S SHD2SP | DC12V | 4.000A | | | | • WS-5 Warning Sounds : Max.114dBx2<br>• WP-Special warning sounds : Max.114dBx2<br>• WM-5 Melodies : Max.110dBx2<br>• WA-5 Alarms : Max.114dBx2<br>• WV-5 Customizable sounds : 108-113dBx2 | – | • SHD2S DC-4.11kg AC-4.44kg<br>• SHD2SP DC-4.36kg AC-4.69kg | |
| | DC24V | 2.400A | | | | | | | |
| | AC110V | 0.580A | | | | | | | |
| | AC220V | 0.335A | | | | | | | |

※ CE compliant : DC24V, AC220V
※ Max. built-in volume feature is based on WS, WP-Ch1 / WM-Ch4 / WA-Ch4.
※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type
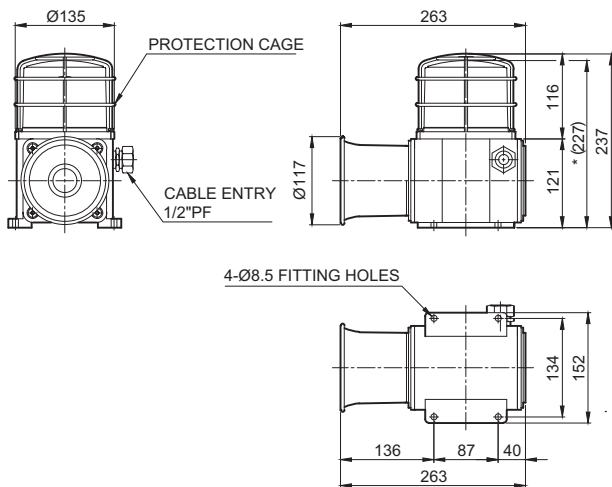
• **Protection rating : IP66**
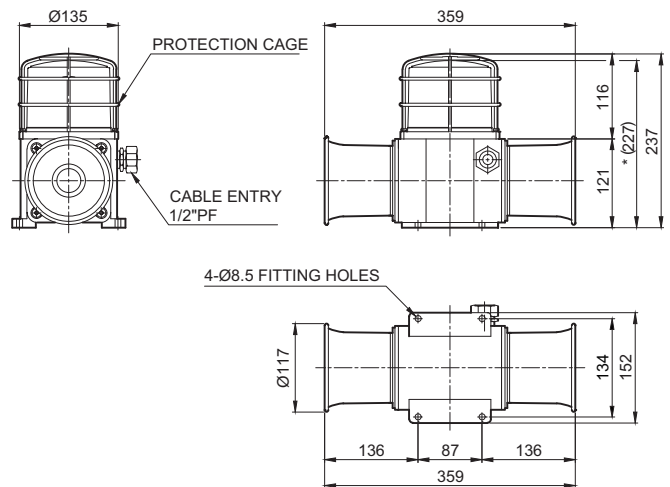• **Ambient operating temperature : -30°C to +50°C**
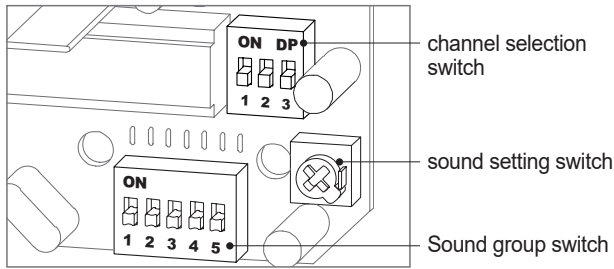

## Dimensions

(Units : mm)

SHDS/ SHDSP



SHD2S/ SHD2SP



※ *(227) represents without protection cage.

## Sound Setting - Select using the switch inside of the unit.



channel selection switch

sound setting switch

Sound group switch

- Standard unit has 5 built-in sound tones.
  Select different built-in sounds using the sound setting switch.
- For standard type, once the unit is powered on, light and sound are working simultaneously.
- For tone group settings, refer to the website [Customer Support] - [Technical Data] - [Types of Tone and Combination of General Tone products].
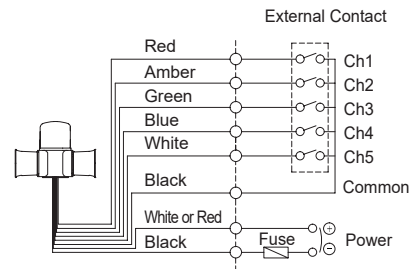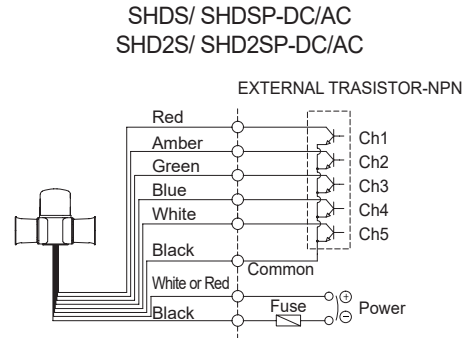
### ■ Sound Type by Group

| Category | Sound pattern | Channel | Sound tone | volume (Max.) |
|---|---|---|---|---|
| WS | 5 Warning sounds | Ch1 | Fire.A-ANG | Max. 114dB |
| | | Ch2 | Emergency WA-U | |
| | | Ch3 | Ambulance PI-PO | |
| | | Ch4 | Machinery Fault | |
| | | Ch5 | High Expansion | |
| WP | 5 Special Warning sounds | Ch1 | Fire.A-ANG | Max. 114dB |
| | | Ch2 | Abandon Alarm | |
| | | Ch3 | Machinery Fault | |
| | | Ch4 | High Expansion | |
| | | Ch5 | 7 Short PI. / 1 Long | |
| WM | 5 Melodies | Ch1 | Sweet Home | Max. 110dB |
| | | Ch2 | For Elise | |
| | | Ch3 | Cuckoo's Waltz | |
| | | Ch4 | Piano Sonata | |
| | | Ch5 | Turkish March | |
| WA | 5 Alarms | Ch1 | Beep Intermittent | Max. 114dB |
| | | Ch2 | Door Chime | |
| | | Ch3 | Phone Ring | |
| | | Ch4 | PI.PI.PI Short | |
| | | Ch5 | Tripping Beat | |
| WV | 5 Customizable sounds | Ch1- Ch5 | Available upon request (customized voice type) | 108- 113dB |

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.
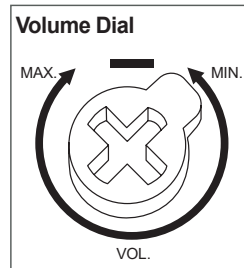
## Wiring Instructions for LC Type

- LC type product with exposed sound selection signal line is available upon request. Please refer to the diagram below for wiring.
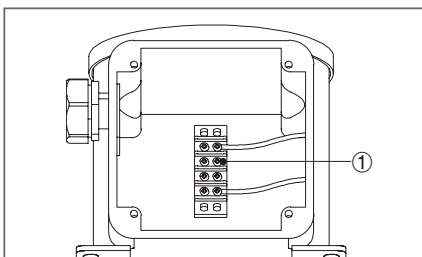
SHDS/ SHDSP-DC/AC
SHD2S/ SHD2SP-DC/AC



- External power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm

## Volume Adjustment


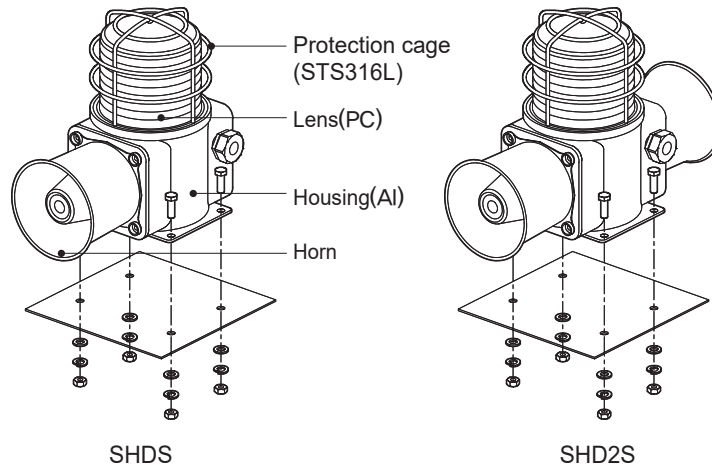
**Volume Dial**

MAX.   MIN.

VOL.

- The volume output of this product is adjustable.
- Turn the volume dial clockwise to increase the volume, and turn counter clockwise to decrease the volume.
- There will be no sound when the dial is put at MIN.

## 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.
※ Applicable cable range : AWG16-AWG22

## Parts Definition/ Installation

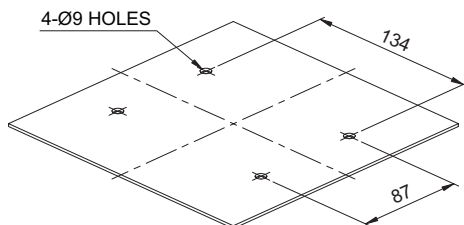SHDS — Protection cage (STS316L), Lens(PC), Housing(Al), Horn

SHD2S

- First, machine holes on the mounting surface.
- The mounting hole of this product is 8.5mm 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.
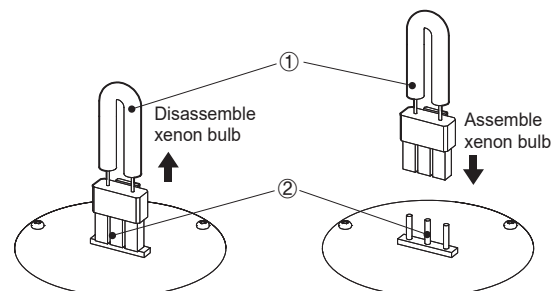- When assembling using bolt and nut, please make sure to use flat washer and spring washer.

## Mounting Hole Specifications/ Xenon Bulb Replacement Instructions

### ■ Mounting Hole Specifications

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

4-Ø9 HOLES
134
87

### ■ Xenon bulb Replacement Instructions

① Disassemble xenon bulb / Assemble xenon bulb
②

- 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 for use with protection rating of IP66.
- If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated(IP66), it may cause malfunction or damage to the product.
- In case of outdoor applications, install the product in the upright position. Do not install the product horizontal or upside-down positions where water can potentially penetrate into the product and impact it's operation.
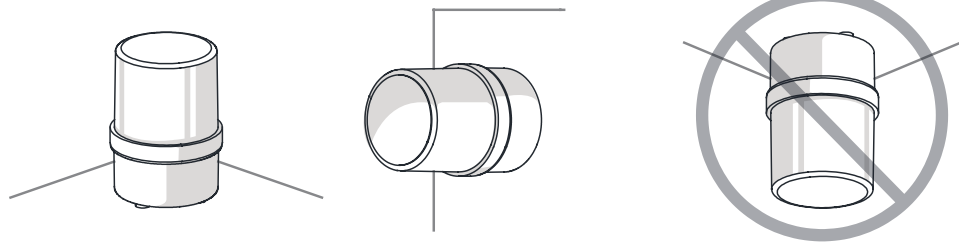- For further information, please visit our website (www.qlight.com).

# Product installation direction

■ **Install the product in accordance with the manual. Otherwise rainwater or moisture may penetrate into the product.**
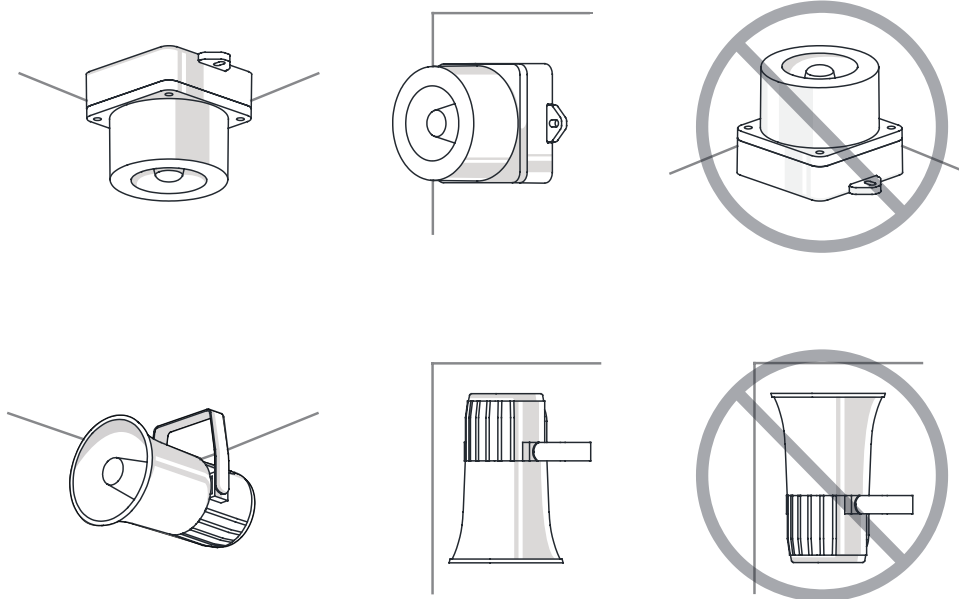
· BEACON/SIGNALING LIGHT　　　　　　　　　　　※ For products with a protection rating of less than IPX4, please install it vertically.

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.
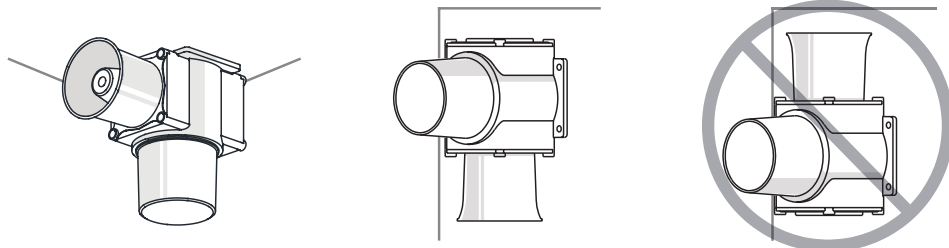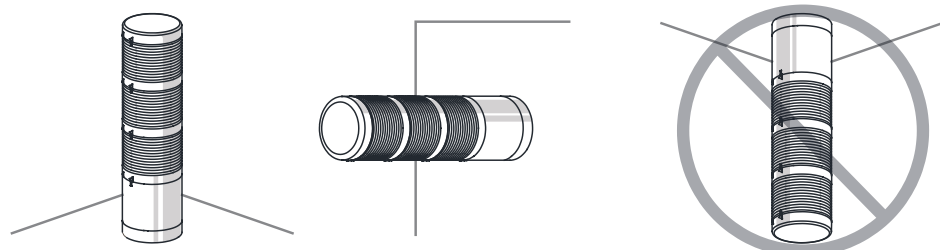
Power cord inlet part shall not be facing the sky.

**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.

*Qlight Co., Ltd.  www.qlight.com |  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, Gyeongsangnamdo, 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

*SHANGHAI Qlight Electronic Co., Ltd. www.qlight.com  www.qlightcn.com | qlightcn@qlight.com*

China Factory/ Shanghai Sales Office | #Room 333 Building B, #11, Lane 450, Zhenda Road, Baoshan District, 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**

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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.
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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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