Heavy-Duty LED Steady/Flashing Lights for Vessels and Heavy Industry Applications

SH1L/ SH2L

IP66 | **-30~+50℃** | **RoHS2**
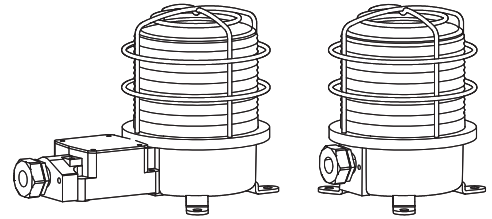
Thank you for purchasing Qlight's products. Please read this user manual carefully prior to installation and operation to ensure safe and correct use.

⚠ 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.

Ordering Specifications

SH2L	·	220	·	R
[Model number]		[Voltage]		[Color]

[Model number]	[Voltage]	[Color]
• SH1L	• 12/24	R-Red
• SH1LP	- DC12-24V	A-Amber
• SH1TL	• 110 - AC110V	G-Green
• SH1TLP	• 220 - AC220V	B-Blue
• SH2L		
• SH2LP		
• SH2TL		
• SH2TLP		

Product Specifications

Model number		Voltage	Current	Certificate	Color
• SH1L — Standard type		DC12-24V	Max.0.300A		
• SH1LP — Protection cage type					
• SH1TL — Terminal box type		AC110V	0.060A	CCS	R-Red A-Amber G-Green B-Blue
• SH1TLP — Protection cage and terminal box type		AC220V	0.030A		
• SH2L — Standard type		DC12-24V	Max.0.300A		
• SH2LP — Protection cage type					
• SH2TL — Terminal box type		AC110V	0.060A	-	
• SH2TLP — Protection cage and terminal box type		AC220V	0.030A		

• Protection rating : IP66
• Ambient operating temperature : -30°C to +50°C

Please scan the QR code for more detailed product information.

SH1LP

Ø135
178
*(167)
120
12
Ø136
149

PCD 155
CABLE ENTRY PF 1/2″
360˚/3-Ø8 FITTING HOLES

※ *(167)size without protection cage.

SH1TLP

Ø135
PROTECTION CAGE
TERMINAL BOX
178
*(167)
120
12
Ø136
234

PCD 155
CABLE ENTRY PF 1/2″
70
360˚/3-Ø8 FITTING HOLES

SH2LP

Ø158
212
*(198)
146
12
Ø154
164

PCD 155
CABLE ENTRY PF 1/2″
360˚/3-Ø8 FITTING HOLES

※ *(198)size without protection cage.

SH2TLP

Ø158
PROTECTION CAGE
TERMINAL BOX
212
*(198)
146
12
Ø154
250

PCD 155
CABLE ENTRY PF 1/2″
70
360˚/3-Ø8 FITTING HOLES
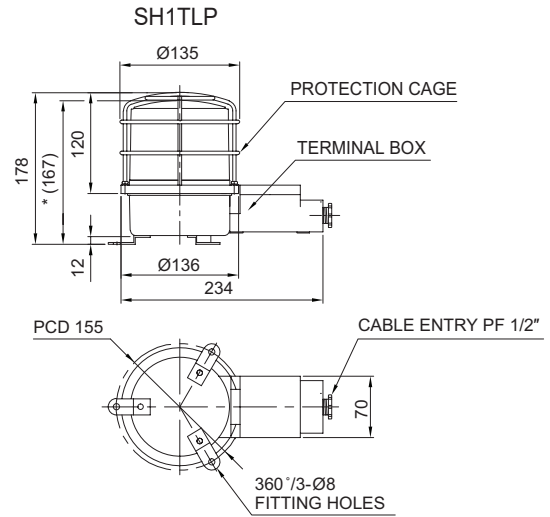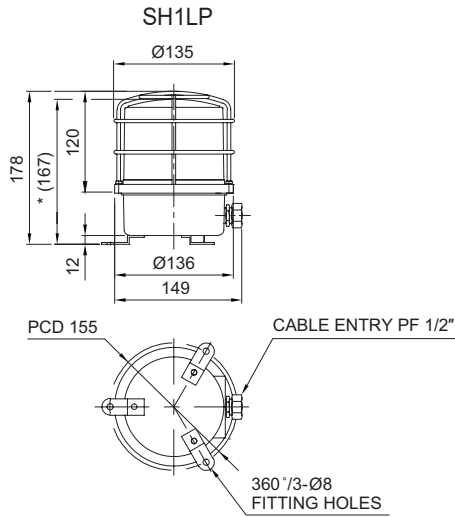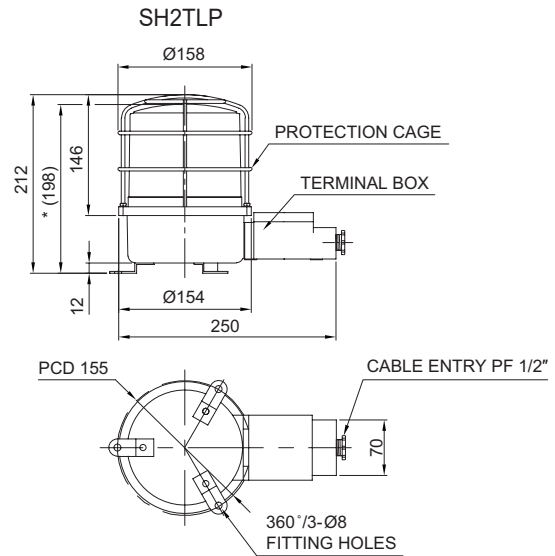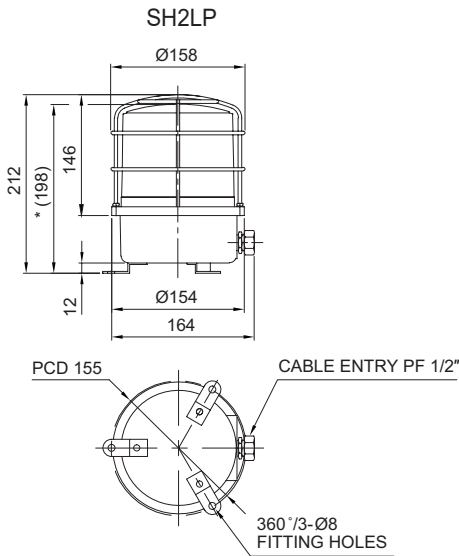
■ Dimensions for 2T type has 2 cable entries
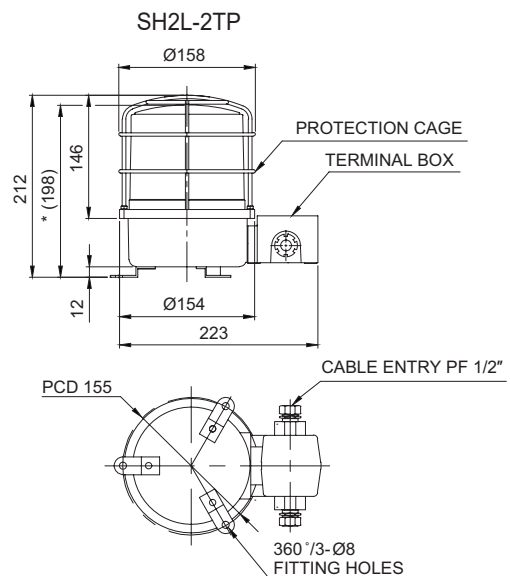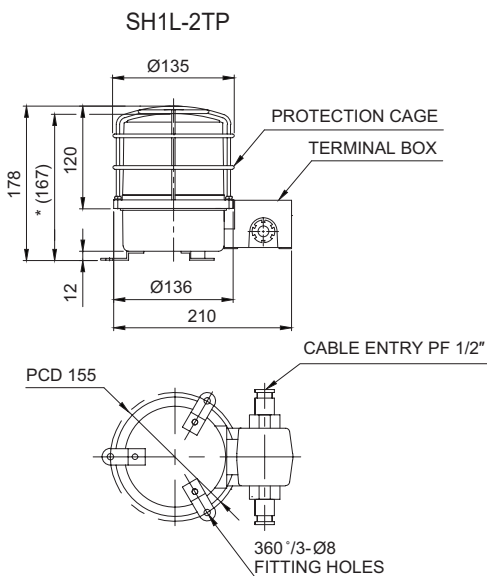
SH1L-2TP

Ø135
PROTECTION CAGE
TERMINAL BOX
178
*(167)
120
12
Ø136
210

PCD 155
CABLE ENTRY PF 1/2″
360˚/3-Ø8 FITTING HOLES

※ *(167)size without protection cage.

SH2L-2TP

Ø158
PROTECTION CAGE
TERMINAL BOX
212
*(198)
146
12
Ø154
223

PCD 155
CABLE ENTRY PF 1/2″
360˚/3-Ø8 FITTING HOLES

※ *(198)size without protection cage.

2

Wiring Instructions

DC

AC
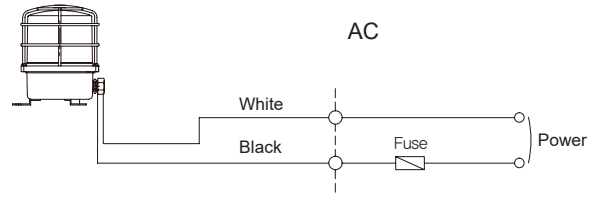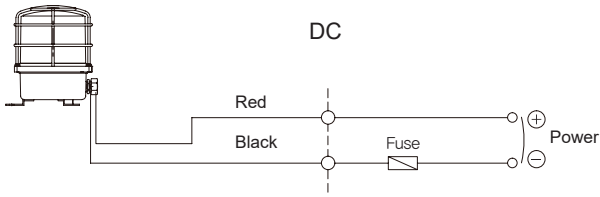
- External power line - UL1015 AWG18(0.75sq) × 2C 400mm
- This product can be wired regardless of polarity.

Terminal Box Wiring Instructions

- SH1TL/ SH1TLP/ SH2TL/ SH2TLP
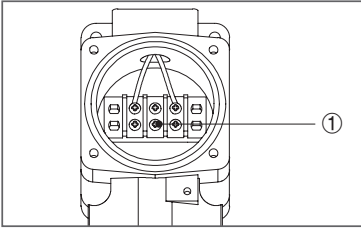
- Terminal block is located inside of the product. Unscrew the 4 bolts located in the upper body to get rid of the upper lighting element of the unit.
- Please apply fork (U-type) or ring (O-type) locking spade terminal at naked tip of the wire for secure connection.
- Please wire the power line to terminal ①

※ Applicable cable range : AWG16-AWG22

Parts Definition/ Installation/ Light Function Selection

■ Parts Definition

SH1L/ SH1LP/ SH2L/ SH2LP   SH1TL/ SH1TLP/ SH2TL/ SH2TLP

Protection cage (STS316L)
Lens(PC)
Cover(Al)
Housing(Al)
Mounting bracket (STS316L)
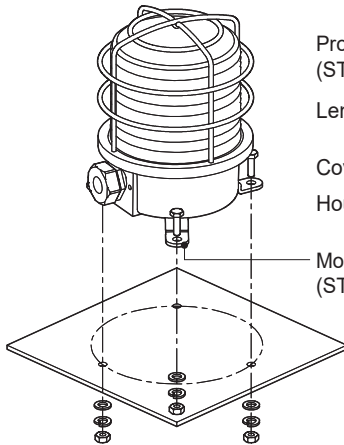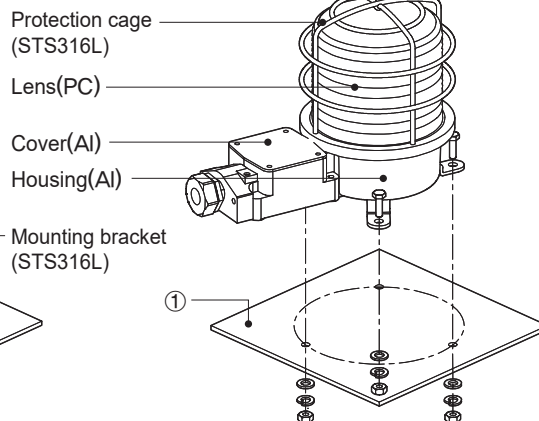
■ Installation

- First, machine holes on the mounting surface①
- 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.

■ Light Function Selection

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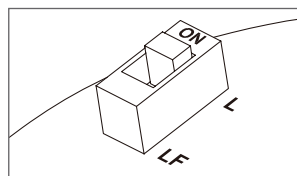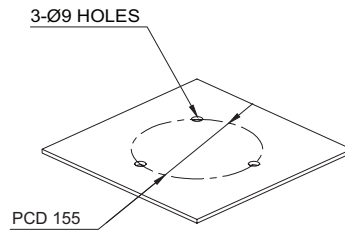

▶ L : Steady
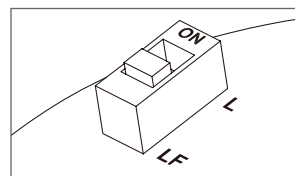
▶ LF : Flashing

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

Mounting Hole Specifications

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

3-Ø9 HOLES

PCD 155

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.
• 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.
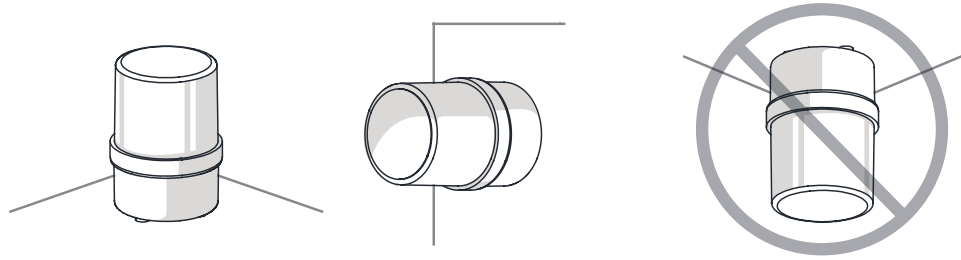
· ELECTRONIC SOUNDER/SIGNAL HORN

Sounder part shall not be facing the sky.
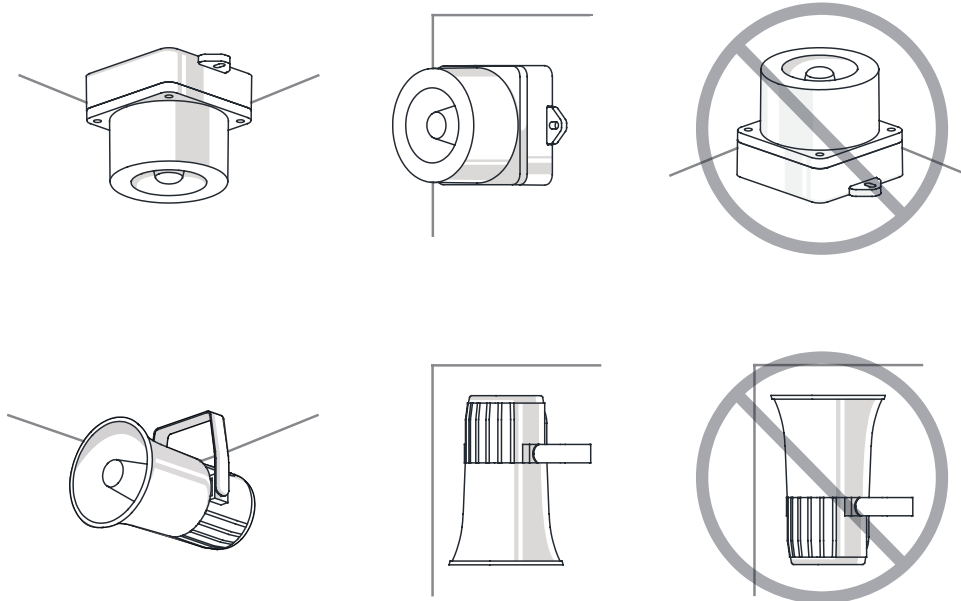
· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

Sounder part shall not be facing the sky.
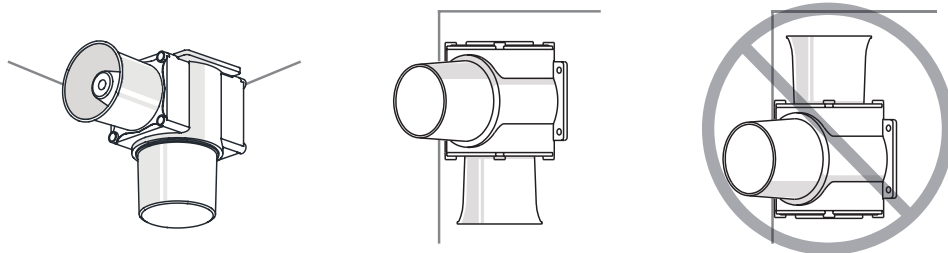
· SIGNAL TOWER LIGHTS　　　　　　　　　　※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.

MEMO

MEMO

EN - SH1L - 2306A