SH1/ SH2 series

Superior durability with fully enclosed structure and corrosion resistance, suitable for vessels and heavy industry applications

· **SH1 series-Ø125mm**
· **SH2 series-Ø150mm**

ⓘ Common Specifications

• Aluminum housing and polycarbonate lens material provides excellent impact resistance under seismic conditions
• Excellent hermetic structure that blocks water and dust
• Can select a variety of light sources (Bulb, LED, and xenon) for your application needs and environmental conditions
• Terminals located inside the terminal box or product
• Cable entry : 1/2″PF
• Materials : Lens-PC, Housing-Al, Protection cage-STS316L, Reflector for LED type-PC/ Reflector for bulb type-Heat resistant ABS
• Housing standard color : MUNSELL No. 7.5BG 7/2
• Protection rating : IP66

■ **A Variety of Selectable Light Source and Function Combinations**

You can select from a variety of light sources for your work environment, condition, and purpose. Basic specifications are as follows :

• LED revolving type
• LED steady/flashing type
• xenon lamp strobe type
• Bulb revolving type

User-selected LED strobe type and LED simulated revolving type are available upon request.

❶ Lenses
• Utilizes a strong and durable polycarbonate material with excellent shock and vibration resistance
• The lens surface has two types depending on the light source function-Light diffusion type and light transmission type

Light transmission type		LED revolving type Bulb revolving type	SH( )LR SH( )
Light diffusion type		LED steady/flashing type xenon lamp strobe type	SH( )L/LF SH( )S

❷ Protection cage
• The durable protection cage is made of corrosion resistant stainless steel that prevents damage to the lens from external contact
• Materials : STS316L

❸ Housing
• The special aluminum body housing features superior durability
• The housing is corrosion resistant from a special anodized surface treatment process
• Materials : Al

❹ Fully enclosed structure
• The tightly sealed warning light structure is waterproof and dustproof
• Protection rating : IP66

❺ Terminal box
• Terminal box is located on the side of housing for easy wiring
• Materials : Al

❻ Brackets
• Stainless steel mounting bracket is conveniently attached to the outer surface of the product
• Materials : STS

SH1/SH2 series Product Categories

Standard model
• Protection cage or terminal box not attached
• Terminals located inside the housing
• Use in environments that has low probability of damage to the lens due to external forces
• SH1/SH2 series is available in this model
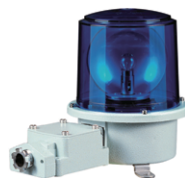
Terminal box mounted type
• Equipped with a terminal box for easy wiring
• Terminal box enables easy wiring
• Use in environments that has low probability of damage to the lens due to external forces
• SH1T( )/ SH2T( ) is available in this model

Protection cage mounted type
• Equipped with a Protection cage
• Terminals located inside the housing
• Damage to the lens from external forces can be prevented with protection cage
• SH1( )P/SH2( )P is available in this model

Terminal box and protection cage mounted type
• Equipped with a protection cage and a terminal box
• Terminal box enables easy wiring
• Damage to the lens from external forces can be prevented with protection cage
• SH1T( )P/ SH2T( )P is available in this model

SH1LR/ SH2LR series

IP66
-20→+50℃

· SH1LR-Ø125mm
· SH2LR-Ø150mm

SH1LR

SH2LRP

SH1LR/SH2LR models are equipped with flexible connector, and SH1TLR/ SH2TLR models are equipped with 15C nipple at cable entry.

Flexible connector

15C nipple

ⓘ Common Specifications(SH1L/ SH2L)

• Features high visibility in all directions with special concentrated LED light structure and multi side reflector
• Revolving speed : 120-140RPM
• Materials : Lens-PC, Housing-Al, Protection cage-STS316L, Reflector for LED : PC
• Ambient operation temperature : -20°C to +50°C
• Cable entry : 1/2″PF
• Housing standard color : MUNSELL No.7.5BG 7/2
• Protection rating : IP66

🔔 SH1LR LED Revolving Warning Light

• Certificates : KIMM, ABS, CCS, CE

Model number		Voltage	Current	Certificates	Color
• SH1LR Standard type • SH1LRP Protection cage type • SH1TLR Terminal box type • SH1TLRP Protection cage and terminal box type		DC12V	0.422A	KIMM ABS CCS CE DC Only	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V	0.266A		
		AC110V	0.082A		
		AC220V	0.041A		

🔔 SH2LR LED Revolving Warning Light

• Certificates : KIMM, ABS, CE

Model number		Voltage	Current	Certificates	Color
• SH2LR Standard type • SH2LRP Protection cage type • SH2TLR Terminal box type • SH2TLRP Protection cage and terminal box type		DC12V	0.422A	KIMM ABS CE DC Only	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V	0.266A		
		AC110V	0.082A		
		AC220V	0.041A		

SH1LR/SH2LR LED Reflector Warning Lights Specification Category and Products Weight Chart

Type	SH1 series		SH2 series	
Lens diameter	Ø125mm		Ø150mm	
Standard		SH1LR (1.64kg)		SH2LR (1.69kg)
Built-in protection cage		SH1LRP (1.89kg)		SH2LRP (1.98kg)
Built-in terminal box		SH1TLR (2.10kg)		SH2TLR (2.15kg)
Built-in protection cage &Terminal box		SH1TLRP (2.35kg)		SH2TLRP (2.44kg)

※ Product weight is based on AC type.

🔲 Ordering Specification

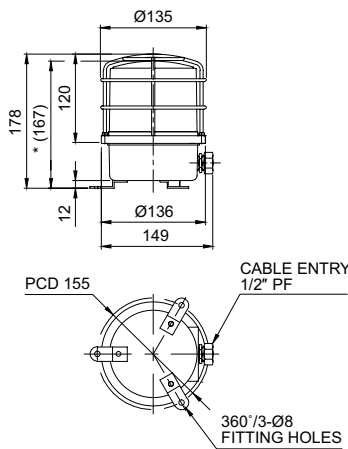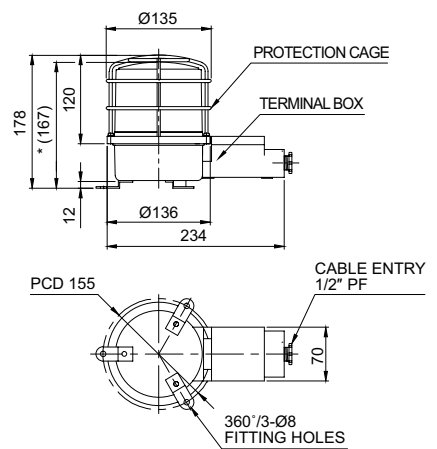| SH1LR	-	12	-	R
[Model number]		[Voltage]		[Color]
• SH1LR • SH1LRP • SH1TLR • SH1TLRP • SH2LR • SH2LRP • SH2TLR • SH2TLRP		• 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

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SH1/ SH2 series

Technical Diagram

(Units : mm)

SH1LRP/ SH1LP/ SH1SP/ SH1P

Ø135
178
*(167)
120
12
Ø136
149

PCD 155

CABLE ENTRY 1/2″ PF

360°/3-Ø8 FITTING HOLES

SH1TLRP/ SH1TLP/ SH1TSP/ SH1TP

Ø135
178
*(167)
120
12
Ø136
234

PROTECTION CAGE

TERMINAL BOX

PCD 155

CABLE ENTRY 1/2″ PF

70

360°/3-Ø8 FITTING HOLES
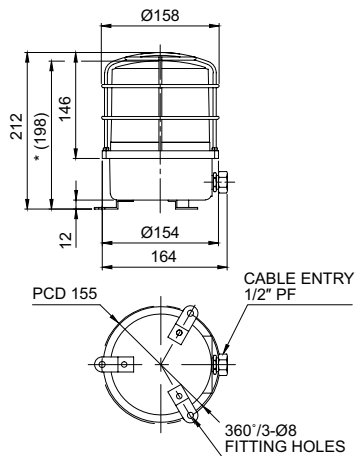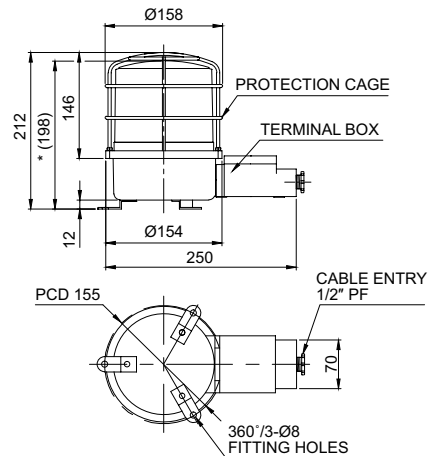
※ *(167) represents SH1LR/ SH1L/ SH1S/ SH1, SH1TLR/ SH1TL/ SH1TS/ SH1T size without protection cage.

SH2LRP/ SH2LP/ SH2SP/ SH2P

Ø158
212
*(198)
146
12
Ø154
164

PCD 155

CABLE ENTRY 1/2″ PF

360°/3-Ø8 FITTING HOLES

SH2TLRP/ SH2TLP/ SH2TSP/ SH2TP

Ø158
212
*(198)
146
12
Ø154
250

PROTECTION CAGE

TERMINAL BOX

PCD 155

CABLE ENTRY 1/2″ PF

70

360°/3-Ø8 FITTING HOLES

※ *(198) represents SH2LR/ SH2L/ SH2S/ SH2, SH2TLR/ SH2TL/ SH2TS/ SH2T size without protection cage.

Customization

• 3/4″PF cable entry
  Standard cable entry is 1/2″PF
  3/4″PF is customization

• Built-in cable gland type
  Flexible connector is equipped to the standard cable entry

Built-in cable gland type

• Brass housing product
  SH2 series brass housing provides products with excellent corrosion resistance as customization
※ Color will be MUNSELL No. 7.5BG 7/2 when Released.

Brass housing product

• 2T type has 2 cable entries in the terminal box
  2 cable entries terminal box is a customized add-on, please refer to the technical diagram on page159

2 cable entries terminal box model

SH1/ SH2 series

Technical Diagram for 2T Type Cable Entries
（Units : mm）

SH1LR-2TP/ SH1L-2TP/ SH1S-2TP/ SH1-2TP

Ø135

178
*(167)
120
12

Ø136
210

PROTECTION CAGE
TERMINAL BOX

PCD 155

CABLE ENTRY
1/2″ PF

360˚/3-Ø8
FITTING HOLES
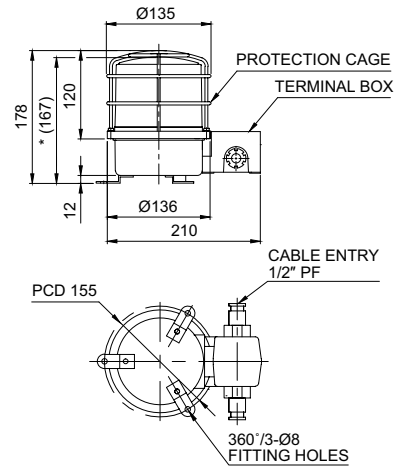
※ *(167) represents SH1LR-2T/ SH1L-2T/ SH1S-2T/ SH1-2T size without protection cage.

SH2LR-2TP/ SH2L-2TP/ SH2S-2TP/ SH2-2TP

Ø158

212
*(198)
146
12

Ø154
223

PROTECTION CAGE
TERMINAL BOX

PCD 155

CABLE ENTRY
1/2″ PF

360˚/3-Ø8
FITTING HOLES
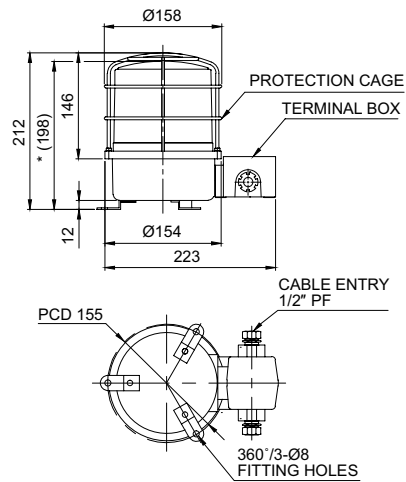
※ *(198) represents SH2LR-2T/ SH2L-2T/ SH2S-2T/ SH2-2T size without protection cage.

ООО "РусАвтоматизация"

454010 Россия, Челябинск, Гагарина 5, тел. 8 800 775 09 57 (звонок бесплатный), +7(351)799 54 26,
тел./факс +7(351)211 64 57, info@rusautomation.ru, www.rusautomation.ru, русавтоматизация.рф