LED Steady/Flashing Tower Light and Alarm Sounder Combinations
STDL(F)

IP54	-30~+50℃	HORN	105dB ((♪))	NPN	RoHS2
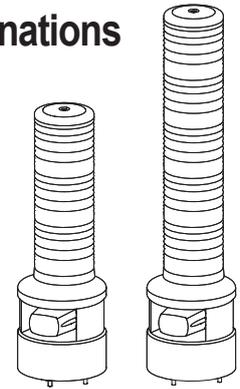
Thank you for purchasing Qlight's products. Please read this user manual carefully prior to installation and operation to ensure safe and correct use.

⚠ 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

STDL	-	WA	-	3	-	24	-	R
[Model number]		[Sound]		[Layer]		[Voltage]		[Color]

[Model number]	[Sound]	[Layer]	[Voltage]	[Color]
• STDL • STDLF	• WS- Warning sounds • WM- Melodies • WA- Alarms • WV- Customizable sounds	• Layer1-1 • Layer2-2 • Layer3-3 • Layer4-4 • Layer5-5	• 12-DC12V • 24-DC24V • 110- AC110V • 220- AC220V	R-Red A-Amber G-Green B-Blue W-White

Please scan the QR code for more detailed product information.

www.qlight.com

Product Specifications

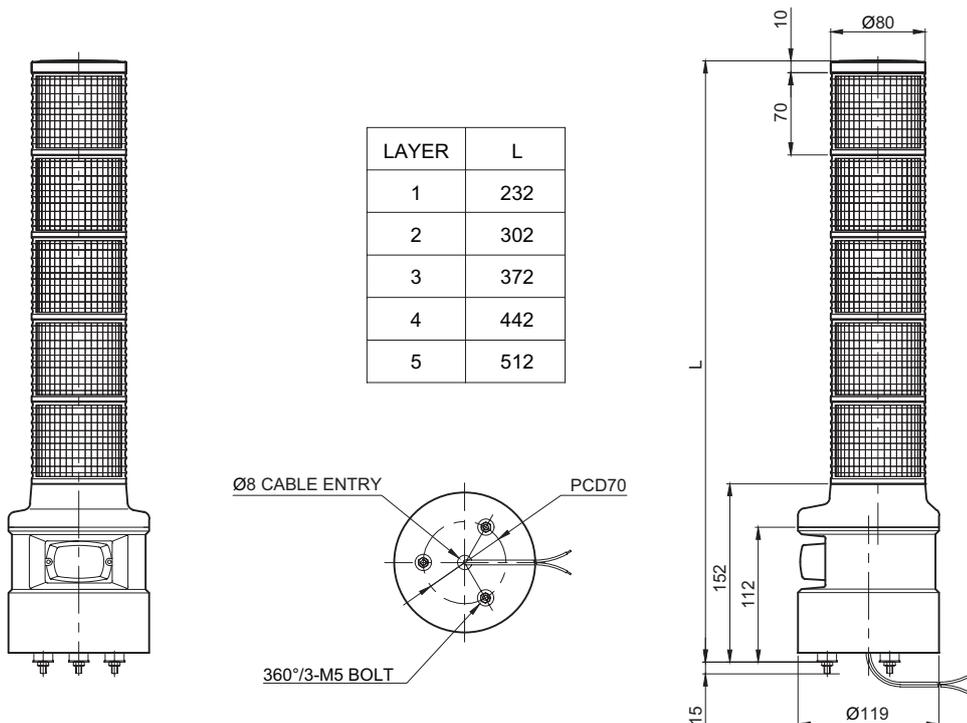| Model number	Layer	Voltage	Current	Sound pattern and volume	Certificate	Weight	Color
STDL steady STDLF steady/flashing	1	DC12V	0.380A	• WS -5 Warning sounds : Max.105dB • WM-5 Melodies : Max.105dB • WA-5 Alarms : Max. 103dB • WV-5 Customizable sounds : Max. 95dB	CE	DC-0.80kg AC-1.39kg	R-Red
	1	DC24V	0.330A			DC-0.80kg AC-1.39kg	R-Red
	1	AC110V	0.115A			DC-0.80kg AC-1.39kg	R-Red
	1	AC220V	0.058A			DC-0.80kg AC-1.39kg	R-Red
	2	DC12V	0.490A			DC-0.91kg AC-1.36kg	R-Red A-Amber
	2	DC24V	0.440A			DC-0.91kg AC-1.36kg	R-Red A-Amber
	2	AC110V	0.121A			DC-0.91kg AC-1.36kg	R-Red A-Amber
	2	AC220V	0.061A			DC-0.91kg AC-1.36kg	R-Red A-Amber
	3	DC12V	0.600A			DC-1.05kg AC-1.49kg	R-Red A-Amber G-Green
	3	DC24V	0.550A			DC-1.05kg AC-1.49kg	R-Red A-Amber G-Green
	3	AC110V	0.127A			DC-1.05kg AC-1.49kg	R-Red A-Amber G-Green
	3	AC220V	0.064A			DC-1.05kg AC-1.49kg	R-Red A-Amber G-Green
	4	DC12V	0.710A			DC-1.16kg AC-1.61kg	R-Red A-Amber G-Green B-Blue
	4	DC24V	0.660A			DC-1.16kg AC-1.61kg	R-Red A-Amber G-Green B-Blue
	4	AC110V	0.133A			DC-1.16kg AC-1.61kg	R-Red A-Amber G-Green B-Blue
	4	AC220V	0.067A			DC-1.16kg AC-1.61kg	R-Red A-Amber G-Green B-Blue
	5	DC12V	0.820A			DC-1.30kg AC-1.74kg	R-Red A-Amber G-Green B-Blue W-White
	5	DC24V	0.770A			DC-1.30kg AC-1.74kg	R-Red A-Amber G-Green B-Blue W-White
	5	AC110V	0.139A			DC-1.30kg AC-1.74kg	R-Red A-Amber G-Green B-Blue W-White
	5	AC220V	0.070A			DC-1.30kg AC-1.74kg	R-Red A-Amber G-Green B-Blue W-White

※ CE compliant : DC24V

• **Protection rating : IP54**
• **Ambient operating temperature : -30°C to +50°C**

Dimensions

(Units : mm)

STDL/ STDLF
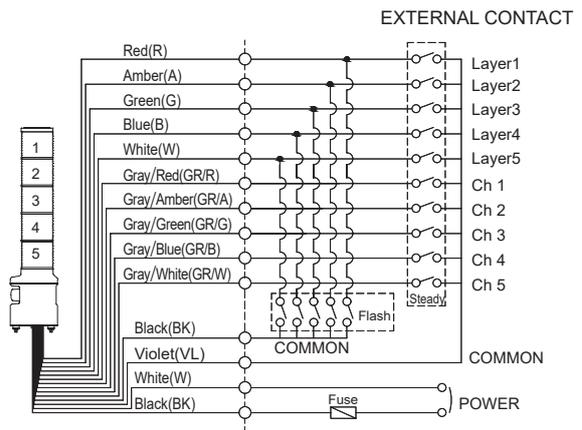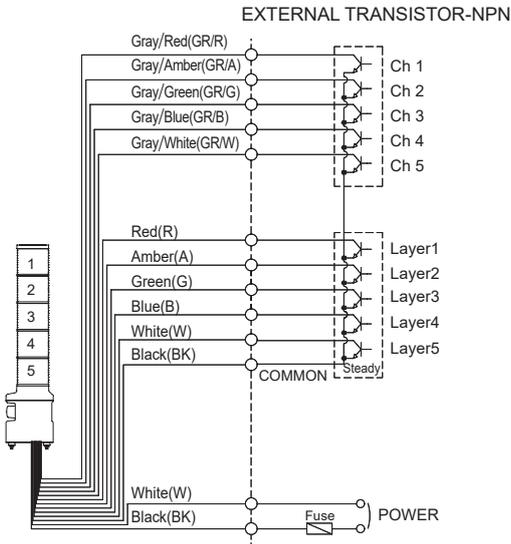

LAYER	L
1	232
2	302
3	372
4	442
5	512

Ø8 CABLE ENTRY PCD70

360°/3-M5 BOLT

Wiring Instructions

STDL-DC/AC(steady)

EXTERNAL CONTACT

Red(R)	Layer1
Amber(A)	Layer2
Green(G)	Layer3
Blue(B)	Layer4
White(W)	Layer5
Gray/Red(GR/R)	Ch 1
Gray/Amber(GR/A)	Ch 2
Gray/Green(GR/G)	Ch 3
Gray/Blue(GR/B)	Ch 4
Gray/White(GR/W)	Ch 5

Steady

Black(BK) — COMMON

White(W)
Black(BK) — Fuse — POWER

STDLF-DC/AC(steady/flashing)

EXTERNAL CONTACT

Red(R)	Layer1
Amber(A)	Layer2
Green(G)	Layer3
Blue(B)	Layer4
White(W)	Layer5
Gray/Red(GR/R)	Ch 1
Gray/Amber(GR/A)	Ch 2
Gray/Green(GR/G)	Ch 3
Gray/Blue(GR/B)	Ch 4
Gray/White(GR/W)	Ch 5

Steady

Black(BK)
Violet(VL) — COMMON — Flash

COMMON

White(W)
Black(BK) — Fuse — POWER

STDL-DC/AC(steady)

EXTERNAL TRANSISTOR-NPN

Gray/Red(GR/R)	Ch 1
Gray/Amber(GR/A)	Ch 2
Gray/Green(GR/G)	Ch 3
Gray/Blue(GR/B)	Ch 4
Gray/White(GR/W)	Ch 5
Red(R)	Layer1
Amber(A)	Layer2
Green(G)	Layer3
Blue(B)	Layer4
White(W)	Layer5
Black(BK)	

COMMON   Steady

White(W)
Black(BK) — Fuse — POWER

STDLF-DC/AC(steady/flashing)

EXTERNAL TRANSISTOR-NPN

Gray/Red(GR/R)	Ch 1
Gray/Amber(GR/A)	Ch 2
Gray/Green(GR/G)	Ch 3
Gray/Blue(GR/B)	Ch 4
Gray/White(GR/W)	Ch 5
Red(R)	Layer1
Amber(A)	Layer2
Green(G)	Layer3
Blue(B)	Layer4
White(W)	Layer5
Black(BK)	

COMMON   Steady

	Layer1
	Layer2
	Layer3
	Layer4
	Layer5

Black(BK) — COMMON   Flash

White(W)
Black(BK) — Fuse — POWER

- External power line - UL1015 AWG18(0.75sq) x 2C 400mm
  External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

Parts Definition/ Installation

- Long bolt
- Cover(ABS)
- Lens(AS)
- Cover connector (ABS)
- Resonator(ABS)
- Housing(ABS)
- Rubber spacer
- Flange nut
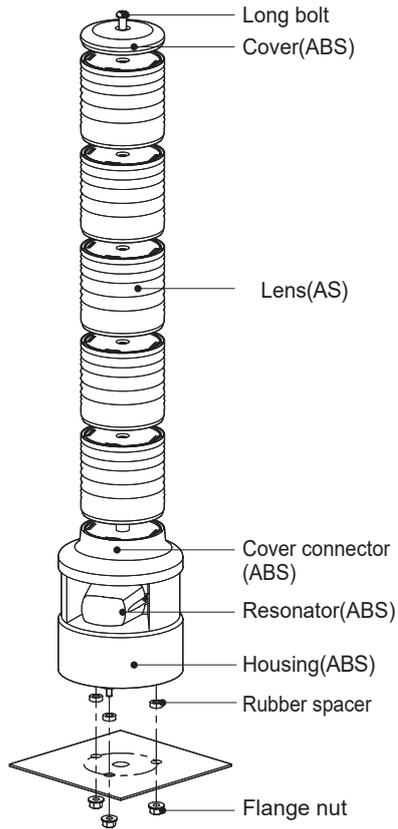
- First, remove the flange nuts from bolts and place the product through the mounting surface holes.
- Fasten the flange nuts on the opposite side of the mounting surface until the product is tightened securely.

Mounting Hole Specifications

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

Min.Ø5 CABLE ENTRY
3-Ø6 HOLES
PCD70

STDL/ STDLF
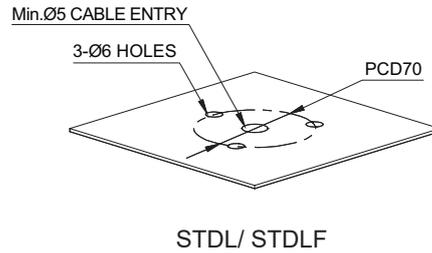
How to Change Lens Kit

①
②
③
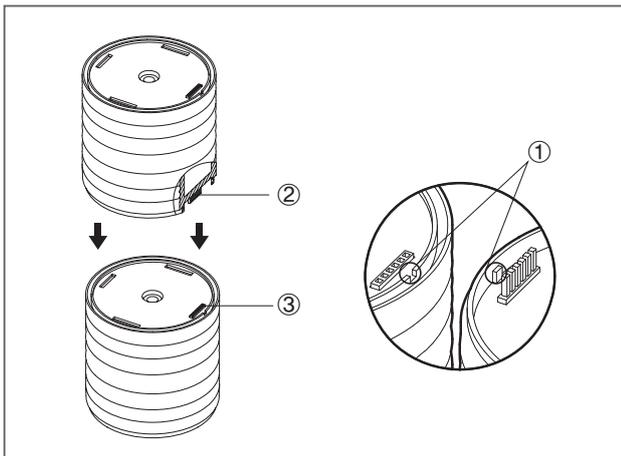
- When rearranging or replacing the lens kits, please be aware of the contact point ① and the connector pin ② marked in the diagram on the left.
- Press down to assemble the lens kits while making sure that connector pin ② and connector ③ aligns correctly.
- Please make sure that the rubber spacer placed on the top of each lens kit is tightly secured to the bottom of the other lens kit.

※ Caution when dealing with lens kit

- Lens kits are connected with connector pins each other. Bad connection may be experienced when the connector pins are touched with a foreign substance.
- If the lens kits are not turned on or not flashed after lens kits replacement, please make sure status of lens kit connection.

Sound Tone Combination of Standard Product

Category	Sound pattern	Sound tone	Channel	Volume
WS	5 Warning sounds	Fire (560Hz-1.5kHz)	Ch1	Max. 105dB
		Emergency(600Hz-1.5kHz)	Ch2	
		Ambulance PI-PO (450Hz-900Hz)	Ch3	
		Machinery Fault(820Hz)	Ch4	
		High Expansion(1kHz)	Ch5	
WM	5 Melodies	Sweet Home	Ch1	Max. 105dB
		For Elise	Ch2	
		Cuckoo's Waltz	Ch3	
		Piano Sonata	Ch4	
		Turkish March	Ch5	
WA	5 Alarms	Beep Intermittent	Ch1	Max. 103dB
		Door Chime	Ch2	
		Phone Ring	Ch3	
		PI.PI.PI Short	Ch4	
		Tripping Beat	Ch5	
WV	5 Customizable sounds	Available upon request(customized voice type)	Ch1	Max. 95dB

Volume Adjustment
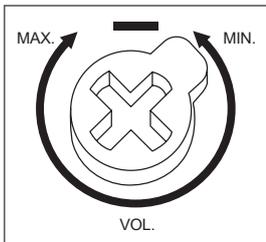
Volume Dial

• 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.

Installation Environment and Protection Rating

• This product is designed for use with protection rating of IP54.
• If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated(IP54), 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).

Mounting Accessories (Sold Separately)

• Please refer to the dimensions below for installation of mounting brackets

	Dimensions
STDL(F)	

SWP125

SWM125

Technical Certification

- Qlight products are designed to meet strict quality and technical standards. Thus, the Qlight brand is widely recognized for its high quality and technical innovations from leading institutions around the world.

ISO International Organization for Standardization

Qlight quality assurance systems have been certified by ISO by applying the ISO 9001:2008, KS Q ISO 9001:2009 regulation.

IECEx International Explosion Proof Certification (IECEx)

Certified that Qlight's products are being manufactured and manage according to international standards.

ATEX The European Regulatory Framework or Manufacture, Installation and Use of Equipment in Explosive Atmospheres

Qlight's explosion proof products comply with ATEX Directives 94/9/EC.

NEPSI National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation

Qlight's design and manufacturing system meets the People's Republic of China National explosion proof Standard.
(Chinese Standard-GB3836/GB12476)

KCs Explosion Proof Device Safety Certification System

The safety performance of machines and equipment subject to safety certification and Technical capability and production system have been certified safety certification standards.

TIIS Japan Explosion-proof Certification

TIIS is a Japanes explosion proof test and certification system accordance with the Ministry of Health, Labour and Welfare Notice and the explosion proof guidelines for factory electrical equipment. Qlight's explosion proof products hasve been tested and certified by TIIS.

CCS China Classification Society

Qlight's design and quality assurance system has been certified by the China Classification Society.

RMRS Russian Maritime Register of Shipping

Qlight's design and quality assurance system has been certified from Russian Maritime Register of Shipping.

LR Lloyd's Register

Qlight's design and quality assurance system has been certified from Lloyd's Register.

KR Korean Register of Shipping

Qlight's design and quality assurance system has been certified by the Korean Register of Shipping.

KC Korea Safety Certification

Qlight's products are certified by KC for preventing accident caused by fire.

E-mark Commission Directive Regarding Vehicle Industry

Qlight has obtained EU mark for approved vehicles and vehicle components sold into the EU(EEA : European Economic Area)

ICAO International Civil Aviation Organization

Qlight guarantees our products satisfy the criteria regulated by the International Civil Aviation Organization(ICAO, FAA).

KCC Conformity Assessment of Broadcasting Communication Equipment

Qlight has been certified to protect the electromagnetic environment that causes unwanted electromagnetic waves from the device, communication failure due to other devices or external radio waves, and malfunction of the device.

UL Underwriters Laboratories

Qlight's design and quality assurance system has been certified from UL to ensure the stability of consumption goods and to protect consumers.

CCCF China Certification Center for Security & Protection

Qlight has passed the rigorous examination process of "Passing Fire Protection Products Centering" In order to sell fire-fighting products such as fire alarm equipment to Chinese market.

CCC China Compulsory Certificate

Qlight's has obtained CCC which guarantees safety, protection against fraud, environment, etc.
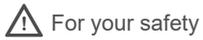
CE European Commission

Qlight has been certified by the European Commission.

RoHS2 Restriction of Hazardous Substances Directive

Qlight c complies with the Restriction of Hazardous Substances Directive by limiting its use of hazardous materials.

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.