Slim LED Tower Lights
STA25/ 35/ 45SLM

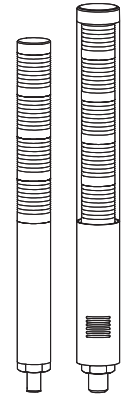| IP23 | IP44 | -30~+50℃ | BUZZER | 90dB (((♪ | NPN | PNP | RoHS2 |

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

• STA25SLM/ STA35SLM

STA25SLM	-	3	-	220	-	RAG
[Model number]		[Layer]		[Voltage]		[Color]

- STA25SLM
- STA35SLM

- 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

• STA45SLM(P)

STA45SLMP	-	3	-	24	-	RAG	-	QZ18
[Model number]		[Layer]		[Voltage]		[Color]		[Mounting option]

- STA45SLM
- STA45SLM-BZ
- STA45SLMP
- STA45SLMP-BZ

- Layer1-1
- Layer2-2
- Layer3-3
- Layer4-4
- Layer5-5

- 12-DC12V
- 24-DC24V

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

- (Blank)
  - Standard type
- Mounting type
  -LB18 -LW18
  -QZ18 -SZ18
  -QL18 -SL18
  -QLA18

Please scan the QR code for more detailed product information.

Product Specifications

• STA25SLM

Model number	Layer	Voltage	Current	Certificate	Weight	Color
STA25SLM steady type	1	AC/DC12V AC/DC24V AC110V AC220V	0.080A 0.040A 0.020A 0.020A	CE UL	0.19kg	R-Red
	2	AC/DC12V AC/DC24V AC110V AC220V	0.160A 0.080A 0.040A 0.040A		0.21kg	R-Red G-Green
	3	AC/DC12V AC/DC24V AC110V AC220V	0.240A 0.120A 0.060A 0.060A		0.23kg	R-Red A-Amber G-Green
	4	AC/DC12V AC/DC24V AC110V AC220V	0.320A 0.160A 0.080A 0.080A		0.24kg	R-Red A-Amber G-Green B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.400A 0.200A 0.100A 0.100A		0.26kg	R-Red A-Amber G-Green B-Blue W-White

※ CE compliant : DC24V

※ UL listed : DC24V

• **Protection rating : IP44**
• **Ambient operating temperature : -30°C to +50°C**

• STA35SLM

Model number	Layer	Voltage	Current	Certificate	Weight	Color
STA35SLM steady type	1	AC/DC12V AC/DC24V AC110V AC220V	0.100A 0.050A 0.020A 0.020A	CE	0.38kg	R-Red
	2	AC/DC12V AC/DC24V AC110V AC220V	0.200A 0.100A 0.040A 0.040A		0.40kg	R-Red G-Green
	3	AC/DC12V AC/DC24V AC110V AC220V	0.300A 0.150A 0.060A 0.060A		0.42kg	R-Red A-Amber G-Green
	4	AC/DC12V AC/DC24V AC110V AC220V	0.400A 0.200A 0.080A 0.080A		0.45kg	R-Red A-Amber G-Green B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.500A 0.250A 0.100A 0.100A		0.48kg	R-Red A-Amber G-Green B-Blue W-White

※ CE compliant : DC24V

• STA45SLM

Model number	Layer	Voltage	Current	Certificate	Weight	Color
STA45SLM steady type STA45SLM -BZ Steady /w built-in buzzer	1	AC/DC12V AC/DC24V	0.100A 0.050A	CE UL	0.50kg	R-Red
	2	AC/DC12V AC/DC24V	0.200A 0.100A		0.54kg	R-Red G-Green
	3	AC/DC12V AC/DC24V	0.300A 0.150A		0.58kg	R-Red A-Amber G-Green
	4	AC/DC12V AC/DC24V	0.400A 0.200A		0.63kg	R-Red A-Amber G-Green B-Blue
	5	AC/DC12V AC/DC24V	0.500A 0.250A		0.68kg	R-Red A-Amber G-Green B-Blue W-White

※ CE compliant : DC24V

※ UL listed : DC24V

• **Protection rating : IP44(standard type), IP23(buzzer type).**
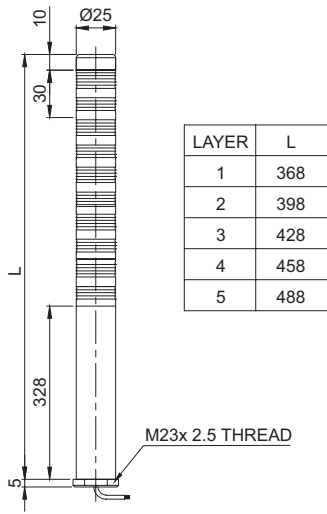• **Ambient operating temperature: : -30°C to +50°C**

• STA45SLMP

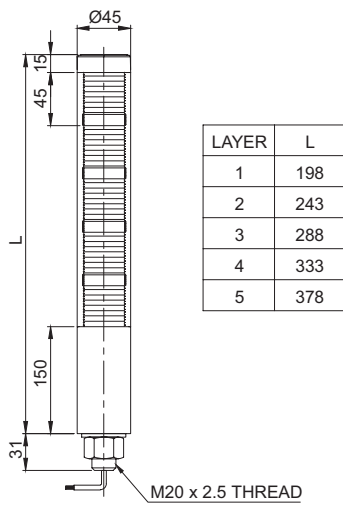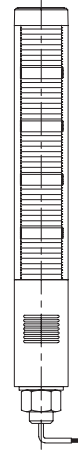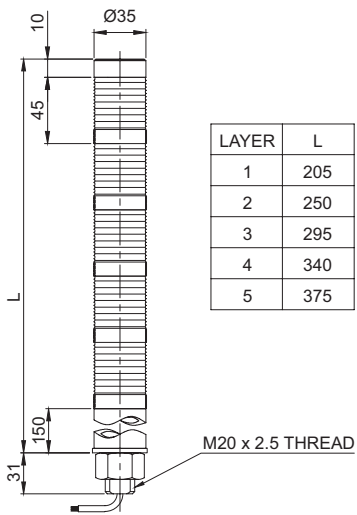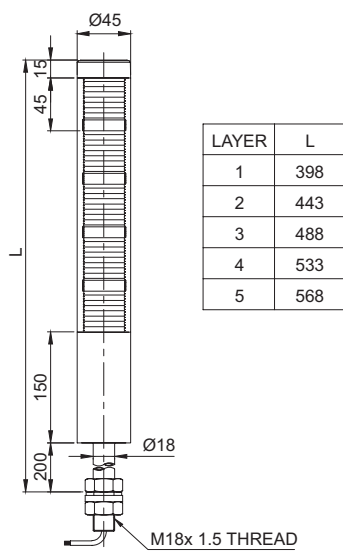| Model number	Layer	Voltage	Current	Certificate	Weight	Color
STA45SLMP steady type STA45SLMP -BZ Steady /w built-in buzzer	1	AC/DC12V AC/DC24V	0.100A 0.050A	CE UL	0.56kg	R-Red
	2	AC/DC12V AC/DC24V	0.200A 0.100A		0.60kg	R-Red G-Green
	3	AC/DC12V AC/DC24V	0.300A 0.150A		0.64kg	R-Red A-Amber G-Green
	4	AC/DC12V AC/DC24V	0.400A 0.200A		0.69kg	R-Red A-Amber G-Green B-Blue
	5	AC/DC12V AC/DC24V	0.500A 0.250A		0.74kg	R-Red A-Amber G-Green B-Blue W-White

※ CE compliant : DC24V

※ UL listed : DC24V

STA25SLM

Ø25
10
30
L
328
5

M23x 2.5 THREAD

LAYER	L
1	368
2	398
3	428
4	458
5	488

STA45SLM

Ø45
15
45
L
150
31

M20 x 2.5 THREAD

LAYER	L
1	198
2	243
3	288
4	333
5	378

STA45SLM-BZ

STA35SLM

Ø35
10
45
L
150
31

M20 x 2.5 THREAD

LAYER	L
1	205
2	250
3	295
4	340
5	375

STA45SLMP

Ø45
15
45
L
150
200
Ø18

M18x 1.5 THREAD

LAYER	L
1	398
2	443
3	488
4	533
5	568

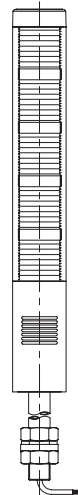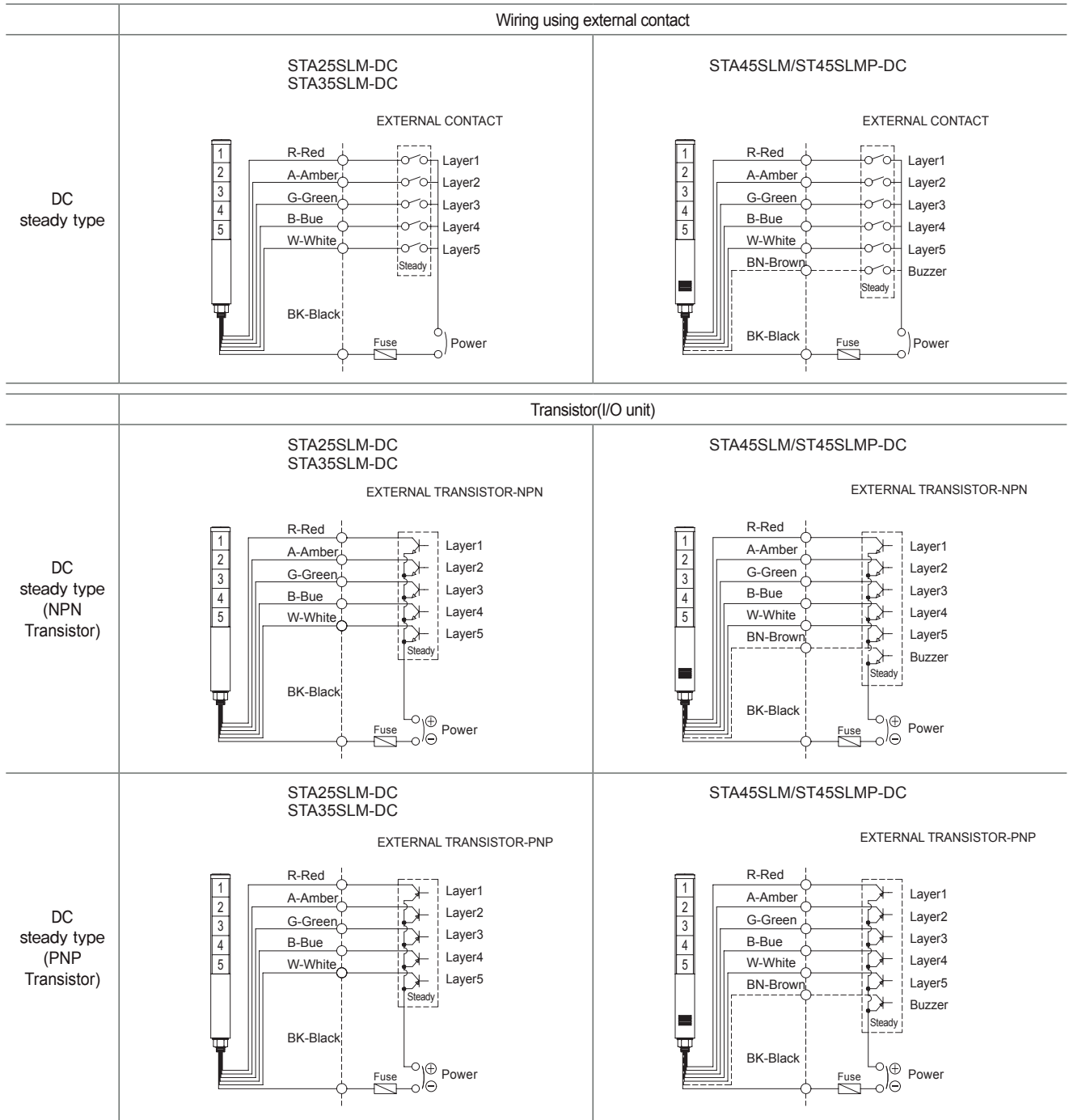## STA45SLMP-BZ

Wiring Instructions

• STA25SLM, STA35SLM, STA45SLM(P) can be wired by using both external contact and transistor.
• In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please carefully follow wiring instruction below.

	Wiring using external contact	
	STA25SLM-DC STA35SLM-DC	STA45SLM/ST45SLMP-DC
DC steady type		

	Transistor(I/O unit)	
	STA25SLM-DC STA35SLM-DC	STA45SLM/ST45SLMP-DC
DC steady type (NPN Transistor)		
	STA25SLM-DC STA35SLM-DC	STA45SLM/ST45SLMP-DC
DC steady type (PNP Transistor)		

• External power line/ External signal line - UL1007 AWG22(0.3sq) 400mm

Parts Definition/ Installation

- Cover(ABS)
- Lens(AS)
- Housing(Al)
- Bracket(Steel)
- Bolt(M5)
- Washer
- Spring washer
- Nut
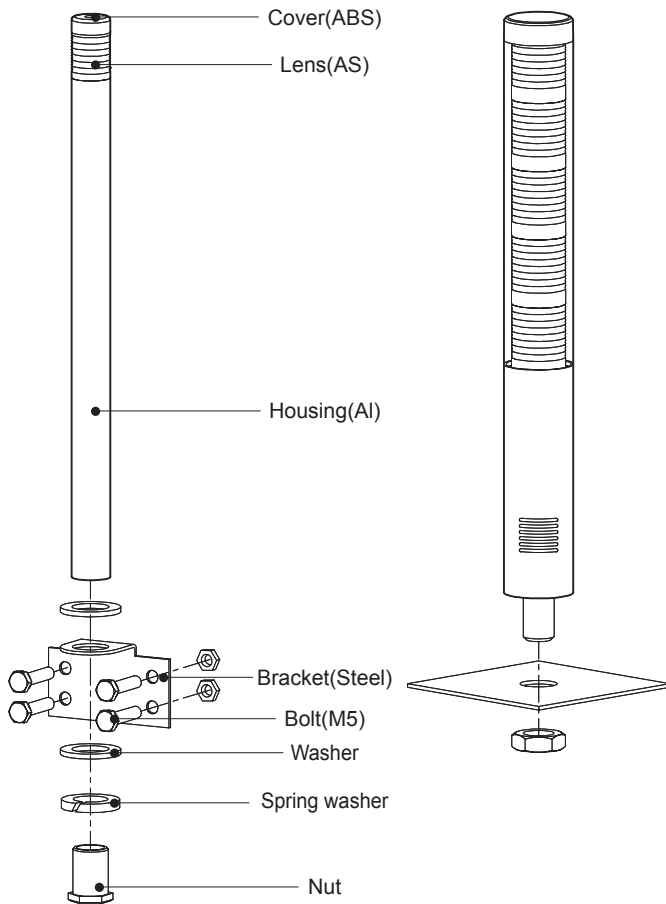
Mounting Hole Specifications

• Machine holes on the mounting surface referring to the diagram below.
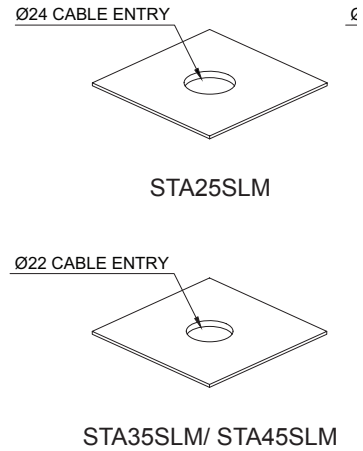
Ø24 CABLE ENTRY

STA25SLM

Ø22 CABLE ENTRY

STA35SLM/ STA45SLM

Mounting Accessories (Sold Separately)

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

■ **STA25SLM/ STA35SLM/ STA45SLM-Direct Mounting Type Model**
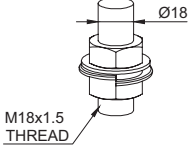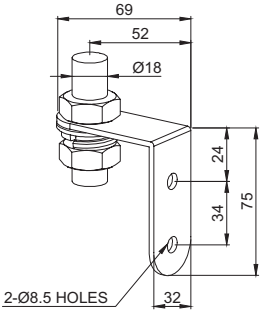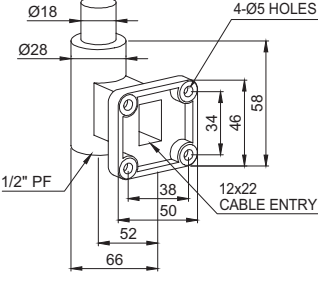
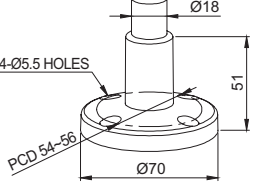|	STA25SLM/ STA35SLM	STA45SLM
Dimensions	45, 22.5, 39, 53, 45, 20, ⌀23.5, 4-⌀8.5 HOLES, 65, 90, STAWB25	50, 27.5, 49, 53, 45, 20, ⌀22, 4-⌀8.5 HOLES, 65, 90, STAWB45
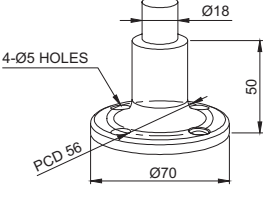
Installation Environment and Protection Rating
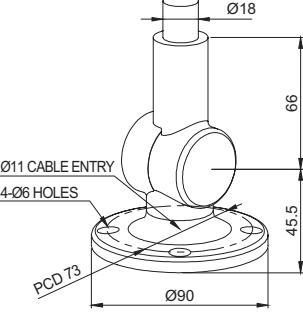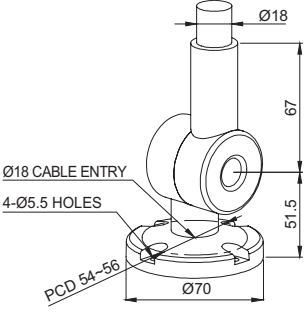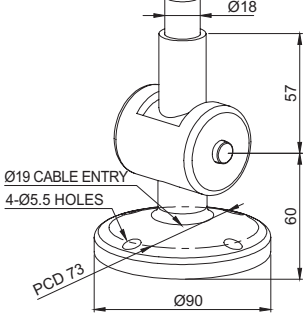
- This product is designed for indoor use with protection rating of IP44(standard type) or IP23(buzzer type).
- If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated, it may cause malfunction or damage to the product.
- 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

■ **STA45SLMP - Pole Mounting Type Model**

	Dimensions
STA45SLMP	

18mm SCREW & NUT — Ø18, M18x1.5 THREAD

LB18 — 69, 52, Ø18, 24, 34, 75, 2-Ø8.5 HOLES, 32

LW18 — Ø18, Ø28, 4-Ø5 HOLES, 58, 46, 34, 1/2" PF, 38, 50, 12x22 CABLE ENTRY, 52, 66

SZ18 — Ø18, 4-Ø5 HOLES, 50, PCD 56, Ø70

QZ18 — Ø18, 4-Ø5.5 HOLES, 51, PCD 54~56, Ø70

SL18 — Ø18, 66, Ø11 CABLE ENTRY, 4-Ø6 HOLES, 45.5, PCD 73, Ø90

QL18 — Ø18, 67, Ø18 CABLE ENTRY, 4-Ø5.5 HOLES, 51.5, PCD 54~56, Ø70

QLA18 — Ø18, 57, Ø19 CABLE ENTRY, 4-Ø5.5 HOLES, 60, PCD 73, Ø90

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.

ABS American Bureau of Shipping

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

RMRS Russian Maritime Register of Shipping

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

CCS China Classification Society

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

KR Korean Register of Shipping

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

LR Lloyd's Register

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

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)

KC Korea Safety Certification

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

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.

CCC China Compulsory Certificate

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

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.

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.

CE European Commission

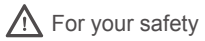Qlight has been certified by the European Commission.

ICAO International Civil Aviation Organization

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

RoHS2 Restriction of Hazardous Substances Directive

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

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

Qlight USA, Inc.   www.qlight.com www.qlightusa.com | sales@qlightusa.com

3003 North First Street, Suite #341, San Jose, CA 95134 USA Tel. +1-408-519-5740 Fax. +1-408-519-5739

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

China Factory/ Shanghai Sales Office | #19, Nanda Road, Baoshan Area, Shanghai, China Tel. +86-21-6651-7100 Fax. +86-21-6315-3929

Qlight
Innovation in Alarm & Signal

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.
※ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE
   RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.
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