Warning Light Bars

CATALOG 2024

INNOVATION in ALARM & SIGNAL

Qlight

Qlight

Gives you a Brighter Future

Qlight Gives You
a Brighter Future!

Qlight has been contributed to an industrial safety and efficiency by producing several audible/ visual signaling devices and industrial LED lights since its establishment in 1986. Our technology and quality are highly reputable among various industries for example semiconductor manufacturing equipment, automobile industry, unmanned automation facility, steel production facility, shipbuilding industry, offshore plant, specialized unit for petrochemical industry based on diverse technology patents and core technologies such as LED light source, heat radiation technology, explosion proof design. Our established local corporations in South Korea and China, sales branches in the United States, Japan, Vietnam, and a global service network provides a distribution and sales system servicing over 80 countries that help Qlight reinforces industrial fields all over the world.

Qlight is
a representative of signaling device in Korea.

Qlight has been striving to accomplish our mission to provide visual and audible status indicating systems and solutions to enhance our customer's work safety and efficiency for the last three decades.
As a market leader, Qlight is going to accomplish our responsibility by introducing state of the art equipment and unmanned facilities.

1986 - 1995

Business foundation and consolidation

1986	Established Qlight
1993	Nominated for developing domestic explosion proof warning lights by Korean Ministry of Science & Technology

1996 - 2005

Growing as a signal transmission device specialist

2001	Established Shanghai Qlight Electronic Co.,Ltd. in China

2004	ISO 9001:2000 certificates acquired

2006 - 2017

mission device specialist
A great leap forward & business reconstruction

2010	Established R&D Center
2011	Selected as a venture company
2011	Selected as an INNO-BIZ firm which is an innovative tech company
2014	Selected as a promising export company by Small and Medium Business Administration(SMBA)
2014	Established the Qlight USA, Inc. in San Jose, CA.
2016	The second headquarter factory built

History of
Change &
Innovation

2018 to Present

New engines for growth

2019   Established Qidong factory

2019   Selected as a family friendly
         company by Ministry of
         Gender Equality and Family

2020   Selected as a small giants
         company by Small and
         Medium Business Admin-
         istration(SMBA)

2021   Selected as a youth-friendly
         small giants company

2023   Selected as the best reading
         management company
         by the Ministry of Culture,
         Sports and Tourism of Korea

The 2nd growth and globalization

Qlight, the best professional company
Leading the **improvement of industrial efficiency**

Aiming for the first-class

Aiming for the first-class specialized company to contribute industrial efficiency and safety of customer based on the core competency of System, Variety, and Hi-quality

Continuous growth for about 35 years

Qlight has been continuously growing for 38 years since its foundation and is recognized for quality and technology based on the business culture of partnership and management of sharing

Global networks in 80 countries

Exporting to all over the world through global network spanning over 200 distribution channels in 80 countries and brightening industrial sites around the world

Multi-variety production

Satisfying various needs of customers through systematic customer-customized production system for over 450 products

Quick

Prompt customer satisfaction and real time enterprise(RTE)

Quality

Emphasis on product and service quality, workplace innovation and ethical management

Question

Problem oriented thinking and creative problem solving are based on achieving strategic task.

Qualified

The most suitable company that leads the innovation of signaling device technology and industrial efficiency improvement

Core Competency

System
Delicate mechanism of the work realizes shorter lead time by effectively managing over-all procedures such as purchasing, production, stock management, and distribution.

Broad-line
Customers are highly satisfied with Qlight products because we offer over 450 types of wide variety of product family with a systematic customized production system.

Supreme Quality
Qlight's technological capability and supremacy of quality are being recognized be-cause of our strict technology standard and inspection system. We've obtained over 22 certificates such as IECEx, ATEX, NEPSI, CCS, CE, and UL. We've been expanding it in accordance with industrial demands.

How Qlight works

Everyone participates in & joint operation

Swift decision making with real time communication

Immediate exposure of issues and enterprise-wide response

Qlight Way

Effective co-work with communication via all communication channel

Endless education and utilize it at work

SELECTION OF WARNING LIGHT

The selection of signaling devices will depend on the particular situation and environment.
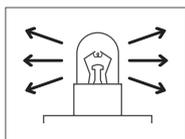
Bulb Steady/Flashing Type

Highly diffusible light bulb that refracts light though a special lens and can be used in a steady or flashing state
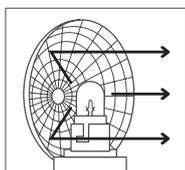
Bulb Revolving Type

By combining a highly diffusible light bulb and a reflector, light is reflected in a parallel beam with a rotating cycle

Our bulb revolving model has a long lifetime enabled by using a high durability bulb and a power transfer system that minimizes noise and abrasion
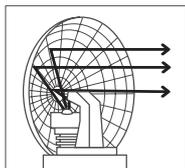
LED Revolving Type

The combination of an LED and a reflector creates a parallel light beam with a rotating cycle

LED Rotating model with reflector adopts a special light distribution and multiple reflection system that is obtained a patent by Qlight can emit the light intensively and evenly as same as a bulb rotating type with reflector. (Patent No.: 10-0889803, 10-0808669 and 20-2008-0002489)
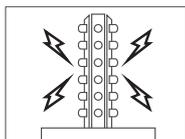
LED Strobe-Type

By shortening the LED flashing period and supplying the maximum current to the LED, It produces a flash effect just like the xenon lamp
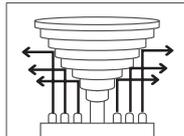
LED Steady/Flashing Type

The indirect light distribution system uses a special structure to radiate a uniform light signal throughout the entire body of the lens by using a multi-stage reflector
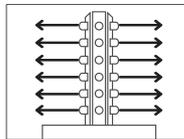
The direct light distribution system uses a high-intensity LED light and diffusion lens to transfer signal over a long distance. Qlight LED lights / flashing lights are equipped with two structures depending on the model type, Steady or Flashing Type
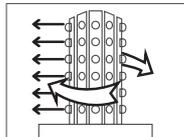
LED Simulated Revolving Type

By uniformly arranging the LED lens in a 360 degree circumferential direction, it will produce a flash in a regular rotating sequence The visual effect looks just the same as the revolving model
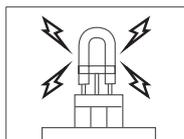
Xenon Lamp Strobe-Type

An intensive flashing light emitting model with short term energy consumption that can highly attract worker's attention. Better shock resistance than a conventional bulb and weaker than LED.

Since it adopts intensive xenon lamp light emitting into lens design, it can emit intensive signal light in all directions of the lens.

Comparing waterproof dustproof protection structure

IP rating _ Known as "Ingress Protection rating" indicated in two-digit code showing the amount of protection against solid and the liquid.(IEC60529)

IP 6 7

First Number **Protection against solid**		Second Number **Protection against liquid**	
0	No protection	0	No protection
1	Protected against solid objects over 50mm, e.g. accidental touch by persons hands.	1	Protection against vertically falling drops of water e.g. condensation.
2	Protected against solid objects over 12.5mm, e.g. persons fingers.	2	Protection against direct sprays of water up to 15° from the vertical.
3	Protected against solid objects over 2.5mm (tools and wires).	3	Protected against direct sprays of water up to 60° from the vertical.
4	Protected against solid objects over 1mm (tools, wires, and small wires).	4	Protection against water sprayed from all directions - limited ingress permitted.
5	Protected against dust limited ingress (no harmful deposit).	5	Protected against low pressure jets of water from all directions - limited ingress.
6	Totally protected against dust.	6	Protected against temporary flooding of water, e.g. for use on ship decks - limited ingress permitted.
		7	Protected against the effect of immersion between 15 cm and 1 m.
		8	Protects against long periods of immersion under pressure.
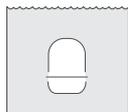
NEMA SIZE

National Electrical Manufacturers Associations standard for enclosure protection rating, NEMA1-6 and 11-13 type is applicable in Non-Hazardous Locations, NEMA 7-10 is applicable in Hazardous Locations.

Type	Usage place	Environment	Protection rating
1	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
2	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.
3	Outdoor Use	Non-explosion proof	Intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and damage from external ice formation
3R	Outdoor Use	Non-explosion proof	Intended for outdoor use primarily to provide a degree of protection against rain, sleet; and damage from external ice formation, and must have a drain hole.
3S	Outdoor Use	Non-explosion proof	Intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and to provide for operation of external mechanisms when ice laden.
4	Indoor/Outdoor Use	Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose directed water; and damage from external ice formation.
4X		Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water; and damage from external ice formation.
5	Indoor Use	Non-explosion proof	Intended for indoor use primary to provide
6	Indoor/Outdoor Use	Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against hose directed water, the entry of water during occasional temporary submersion at a limited depth; and damage from external ice formation.
6P		Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth; and damage from external ice formation.
7	Outdoor Use	Explosion proof	Intended for indoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC.
8	Indoor/Outdoor Use	Explosion proof	Intended indoor or outdoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC.
9	Indoor Use	Explosion proof	Intended for indoor use in locations classified as Class II, Groups E, F, and G, as defined in the NEC.
10	Indoor/Outdoor Use	Explosion proof	Are constructed to meet the applicable requirements of the Mine Safety and Health Administration. (MSHA)
11	Indoor Use	Non-explosion proof	Protection from the corrosive effects of liquids and gases by oil immersion.
12	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.
12K	Indoor Use	Non-explosion proof	Intended knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non corrosive liquids.
13	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.

NEMA Ratings and IP Ratings Equivalency Chart

The chart below is for comparison between two enclosure ratings. It is only for reference and these two rating standards are not exactly converted.

NEMA ENCLOSURE TYPE	IP ENCLOSURE TYPE
1	IP20
2	IP22
3	IP55
4	IP66
4X	IP66
6	IP67
12	IP54
13	IP54

Icon Description

This catalogue helps users quickly identify the product's specifications and features by using several types of icons. If you understand the concept for each icon, you will find it easy to understand the catalogue information.

Light Source and Operating Mode Icons

Icon	Operating Mode	Icon	Operating Mode
	Bulb steady type		Bulb steady/flashing type
	Bulb revolving type		LED revolving type
	LED steady type		LED steady/flashing type
	LED simulated revolving type		LED strobe type
	Xenon lamp strobe type		

Acoustic Signal Icons

Icon	Siren	Icon	Siren
BUZZER	Buzzer	SPK	Speaker
HORN	Horn	BELL	Bell
MOTOR	Motor siren	MP3	MP3
90dB	Volume(dB)		

Specifications Icons

Icon	Specification	Icon	Specification
N S MAGNET	Magnet type	+50℃ -20℃	Ambient operating temperature
NPN	NPN type transistor	PNP	PNP type transistor
IP44	IP rating	WIRELESS	Wireless Network
RoHS	RoHS		

Warning Light Bars

Specification List for Warning Light Bars

Model number		QLV	QLV-SET	ELML	ELM-SOL	SAMP
Voltage		DC12V	DC12V	DC12V, DC24V	12V(Battery voltage)	DC12V, DC24V
Dimension (mm)	Outdia	300 x 64	300 x 64	280 x 136	506 x 497(Total)	175(Width)
	Height	129	129	161	497	73
	Depth	885-1250(Length)	885-1250(Length)	588-1708(Length)	1148	165
Materials		Lens-PC, Cover-Al, Board-Al, Bracket-STS	QLV-PC Other SAMP-100-Steel SM-100ND-Steel	Lens-PC, Speaker Cover-STS, Reflector-Heat resistant ABS, Board-Al	Lens/Housing-PC, Speaker Cover-STS, Reflector-Heat resistant ABS, Board-Al	Housing-SUS
Light source & Operation	LED Strobe	●	●	●	●	
Sound & Volume		-	Max.135dB at 1m	Max.126dB at 1m	-	-
Mounting structure		Direct mount	Direct mount	Direct mount	Direct mount	Bracket mounting type
Cable entry		BCG-M20-14	BCG-M20-14			
Protection rating		IP56	IP56	IP56	IP56	-
Mounting location		Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction		Vertical	Vertical	Vertical	Vertical	Vertical, Horizontal, Reverse vertical
Certificates		CE	CE			
Customization						
Page		P13-14	P15	P18-19	P20	P21

Model number		SAMP-100	SM-100ND
Voltage		DC12V	DC12V
Dimension (mm)	Outdia	175(Width)	Ø122
	Height	50	-
	Depth	185	118(Length)
Materials		Housing-Steel	Housing-Steel
Sound & Volume		-	Max.135dB at 1m
Mounting structure		Bracket mounting type	
Cable entry			
Protection rating			
Mounting location		Indoor Use	Indoor Use
Mounting direction		Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates		CE	CE
Customization			
Page		P16-17	P16-17

QLV Series

IP56

+50°c
-30°c
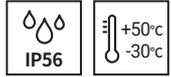
Aerodynamic LED Light Bar Suitable for High Speed Emergency Vehicles

PRODUCT SPECIFICATION

QLV Series

Materials QLV Light Bar Model: Lens-PC, Cover-Al, Board-Al, Mount bracket-STS
QLV-SET: QLV Light Bar Model-PC other/ SAMP-100-Steel, Al/ SM-100ND-Steel

Ambient operating temperature -30°C to +50°C

Protection rating IP56

Lens color ●●Blue-Red ●●Red-Red ●●Amber-Amber ●●Green-Green

Flashing rate 60-80/min(QLV, QLV-SET)

- Compact and aerodynamic design minimizes air resistance in high speed vehicles
- Transparent polycarbonate outer and inner lens provides clear signal light transmission
- Strong mechanical strength, heat, and UV light resistance
- Excellent protection from vibration and impact with use of aluminum boards for both the top and bottom plates
- Internal heat discharges naturally because each LED module adopts an excellent heat dissipative structure
- QLV-SET includes amplifier that has a built-in one-touch switch for selection between signal sound and warning light
- QLV-SET includes a 100W high volume horn with clear warning sounds
- 1,250mm, 1,150mm and 885mm length models are also available
- Available in customized color arrangements

Product Features

1 High volume, high quality horn system
· 100W high power volume horn

2 AMP
· Choose Lightbar function & alarm tone

4 Module
· Take Down Module: Intense white Light
· LED Module: Clear color signal light

3 MIC
· Emergency voice selection switch
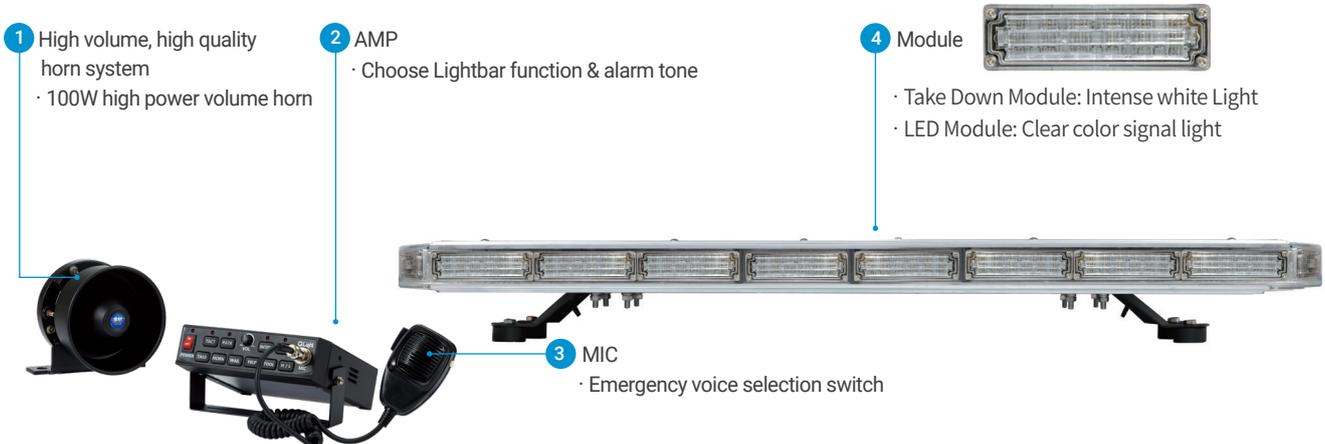
QLV Series

QLV-1250

QLV-1150

QLV-885

QLV LED Strobe Warning Light Bar

Model number	LED module number	Voltage	Current	Certificate	Weight	Color	
QLV-1250	24EA		11A	CE	16.51kg	🔵🔴	B-R
QLV-1150	22EA	DC12V	10.5A	-	15.62kg	🔴🔴	R-R
QLV-885	18EA		9.5A	-	12.97kg	🟡🟡	A-A
						🟢🟢	G-G

· Excellent light transmission with use of 24 High brightness LED Strobe modules
· Replaceable LED module design
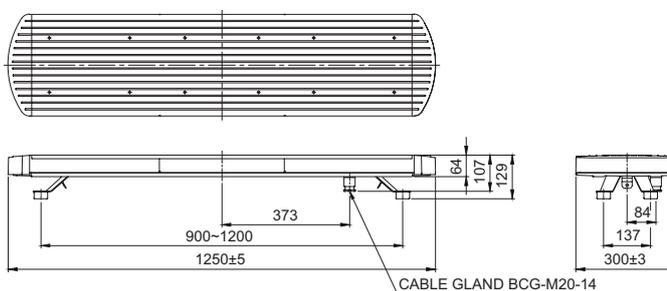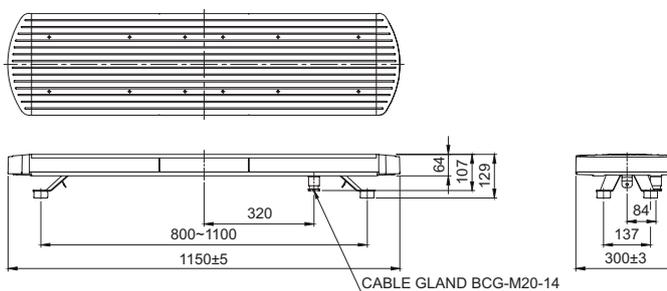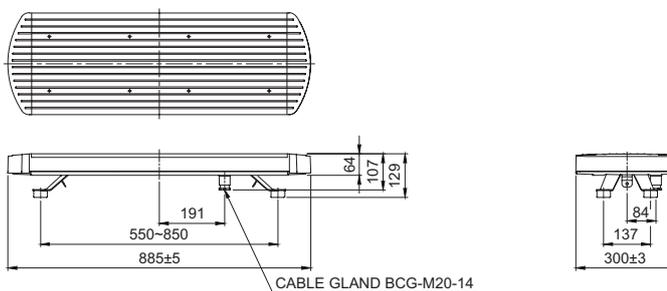
QLV Signal Light Functions

No.	Function
1	Full LED Strobe
2	LED Simulated revolving
3	Front & rear simulated revolving
4	TAKE DOWN LED Steady
5	NIGHT LED Steady(NIGHT MODE)

Technical Diagram
Units: mm

·QLV-1250

64
107
129
373
900~1200
1250±5
84
137
300±3
CABLE GLAND BCG-M20-14

·QLV-1150

64
107
129
320
800~1100
1150±5
84
137
300±3
CABLE GLAND BCG-M20-14

·QLV-885

64
107
129
191
550~850
885±5
84
137
300±3
CABLE GLAND BCG-M20-14

Wiring Instructions
·QLV-DC

Warning Light

INTER — BK3(INTER)
TACT — YG(TACT)
PATR — BK8(PATR)
TAKER — BK7(TAKER)
NIGHT — BK6(NIGHT)
Power ⊕ — BK5(DC12V)
— BK4(DC12V)
⊖ — BK2(GND)
— BK1(GND)
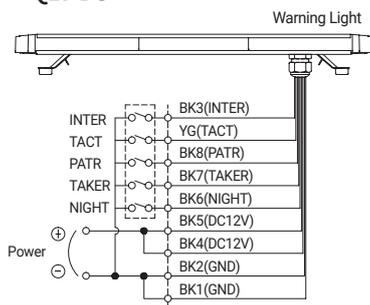
Ordering Specification

QLV-1150	-	12	-	B/R

[Model number]
QLV-1250
QLV-1150
QLV-885

[Voltage]
12-DC12V

[Color]
B/R 🔵🔴 Blue-Red
R/R 🔴🔴 Red-Red
A/A 🟡🟡 Amber-Amber
G/G 🟢🟢 Green-Green

QLV-SET LED Strobe Light Bar SET

Model number	LED module number	Voltage	Current	Volume	Certificate	Weight	Color	
QLV-1250-SET	24EA		26.5A			20.31kg	●●	B-R
QLV-1150-SET	22EA	DC12V	26A	Max. 135dB	CE	19.42kg	●●	R-R
QLV-885-SET	18EA		25A			16.77kg	●●	A-A
							●●	G-G

· Features high intensity LED strobe modules
· Amplifier includes built-in one-touch switch for selection between signal sound and warning light
· 100W high volume speaker with clear warning sounds

QLV-SET

Technical Diagram

Units: mm

·QLV-SET

WARNING LIGHT
SM-100ND
⊖ GND(QLV)
SAMP-100
Fuse
POWER(SAMP100)

Wiring Instructions

·QLV-SET-DC

HEAD UNIT (SAMP-100)
SAMP-100(POWER) CONNECTOR-7P
Warning Light Bars

TACT	1	1	TACT
PATR	2	2	PATR
INTER	3	3	INTER
SPK(-)	4	4	TAKER
TAKER	5	5	NIGHT
NIGHT	6	6	DC12V
SPK(+)	7	7	DC12V
		8	NC
DC12V	1	9	GND
NC	2	10	GND
GND	3		
DC12V	4		
GND	5		

Warning Light CONNECTOR-10P

SAMP-100(POWER) CONNECTOR-5P
Fuse
Power
100W UNIT (SM-100ND)

Ordering Specification

QLV-1150	-	12	-	B/R	-	SAMP	-	HORN

[Model number]	[Voltage]	[Color]	[AMP]	[HORN]
QLV-1250	12-DC12V	B/R ●● Blue-Red	SAMP - SAMP-100 included	HORN - SM-100ND included
QLV-1150		R/R ●● Red-Red		
QLV-885		A/A ●● Amber-Amber		
		G/G ●● Green-Green		

QLV-SET Signal Light and Sound Functions

No.	Mode	Function
Light Modes	TACT(LED Strobe)	Full LED strobe
	PATR (Repeated sequential flashing)	Sequential flashing - from middle to outside direction
	INTE(Sequential flashing)	Sequential flashing(Front/Rear modules only) - from left to right direction
	TAKE(LED steady)	Take down LED steady
	NIGH(Night steady)	Night LED steady (Night mode)
Sound Modes	WAIL(Fire Alarm)	Fire Alarm sound
	YELP(Emergency)	Emergency sound
	HORN	Horn sound
	MIC	Microphone output mode
	TOOL(Special tone)	Special tone (DI-DI-DI-DI)
	H/L(Ambulance tone)	Ambulance (PI-PO)

Controllable AMP for QLV Warning Light Bar

SAMP-100 / SM-100ND

Recommended Amplifier Designed for QLV Warning Light Bar

SAMP-100 controllable AMP for QLV Warning Light Bar

SAMP-100

Model number	Voltage	Current	Sound pattern	Frequency/ Repeat time	Certificate	Weight
SAMP-100	DC12V	15.5A	Fire Alarm	300-700Hz/140cycle	CE	1.15kg
			Emergency	350-750Hz/14cycle		
			Horn	600Hz-91KHz		
			Buzzer	2.25Hz/90cycle		

· Simple linkage between sound signal and warning lights
· Clear and stable sound signal
· Built-in switch for emergency voice on the microphone
· Amplifier is already part of QLV-SET model

SM-100ND Horn for Warning Light Bars

SM-100ND

Model number	Voltage	Volume	Certificate	Weight
SM-100ND	DC12V	Max.135dB	CE	1.15kg

· 100W high volume horn with clear warning sounds
· Mounting bracket for applications in various environments

Wiring Instructions

·SAMP-100 / SM-100D

SAMP-100

TACT	1
PATR	2
INTER	3
SPK(-)	4
TAKER	5
NIGHT	6
SPK(+)	7

SAMP-100(POWER) CONNECTOR-7P

DC12V(IN)	1
NC	2
GND	3
DC12V(OUT)	4
GND	5

SM-100ND

Fuse

SAMP-100(POWER) CONNECTOR-5P

Power
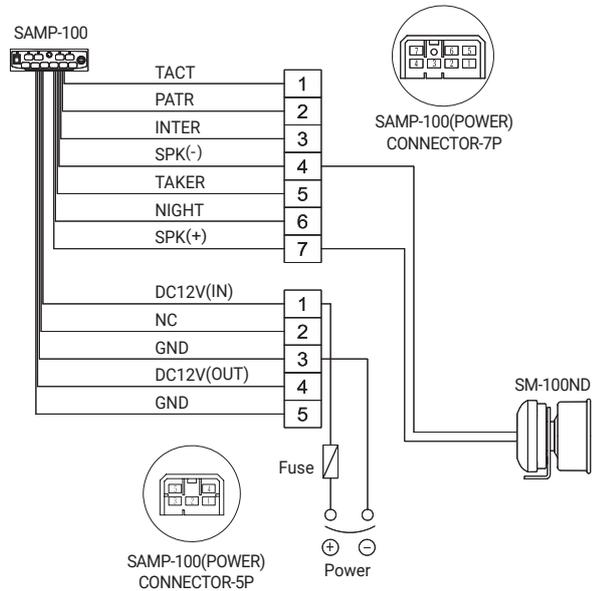
Ordering Specification

SAMP-100	-	12
[Model number]		[Voltage]
SAMP-100		12-DC12V
SM-100ND		

Technical Diagram

Units: mm

·SAMP-100

108

R3.5

25

35

50

65

2-M5 TAP

17

7

FITTING HOLES

11

165

185

2-Ø7 SLOT HOLES

9

123

175

50

178.2

·SM-100ND

118

63

Ø122

Ø117

15

30

27.5

110

2-Ø12 HOLES
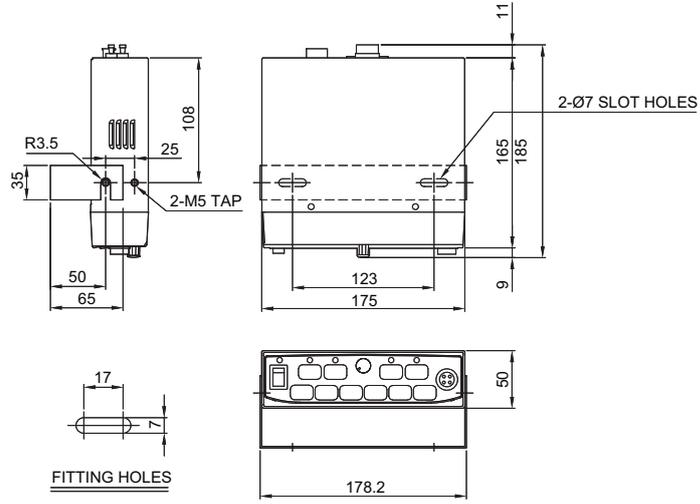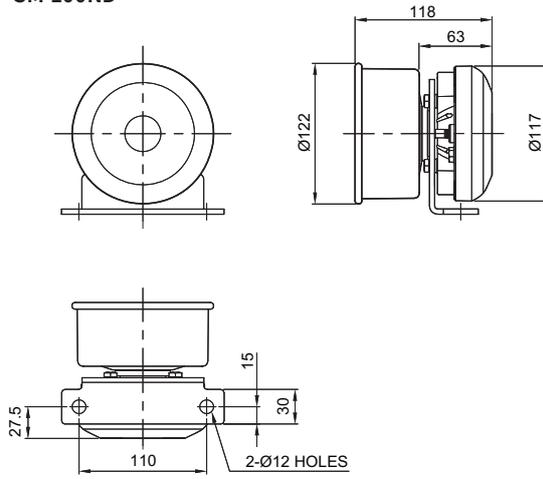
Warning Lights for Road Safety (Max.126dB)

ELML

Various combinations of sizes, color, and light source depending on the application needs

PRODUCT SPECIFICATION

ELML

ELML

Materials Lens-PC, Speaker Cover-STS, Reflector-Heat resistant ABS, Board-Al

Ambient operating temperature -25℃ to +50℃

Built-in speaker, volume Max.126dB at 1m

Protection rating IP56

Flashing rate 60-80/min

- Adjustable size depending on the type of vehicle and application needs
- Suitable for tow trucks, patrol cars and parking lots
- Adjustable size depending on the type of vehicle and application needs
- Suitable for tow trucks, patrol cars and parking lots
- Designed in a structure which allows for quick assembly and disassembly for convenient light source replacement
- Customized color arrangements available
- Modular design allows user defined color arrangement if necessary

ELML LED Strobe Warning Light Bar

Model number	LED module number	Voltage	Current	Certificate	Weight (Based on 3 layers)	Color
ELML-1	4EA	DC12V	1.600A	-	11.02kg	●● B-R ●● R-R ●● A-A
ELML-1	4EA	DC24V	1.200A	-	11.02kg	
ELML-2	8EA	DC12V	2.400A	-	11.02kg	
ELML-2	8EA	DC24V	1.650A	-	11.02kg	
ELML-3	12EA	DC12V	3.500A	-	11.02kg	
ELML-3	12EA	DC24V	3.000A	-	11.02kg	
ELML-4	16EA	DC12V	5.100A	-	11.02kg	
ELML-4	16EA	DC24V	4.200A	-	11.02kg	
ELML-5	20EA	DC12V	5.800A	-	11.02kg	
ELML-5	20EA	DC24V	4.700A	-	11.02kg	

Technical Diagram

Units: mm

·ELML

L

268

280

136

161

CONTROL CABLE

L1 MAX=761

L2 MAX=761

M8×25

80
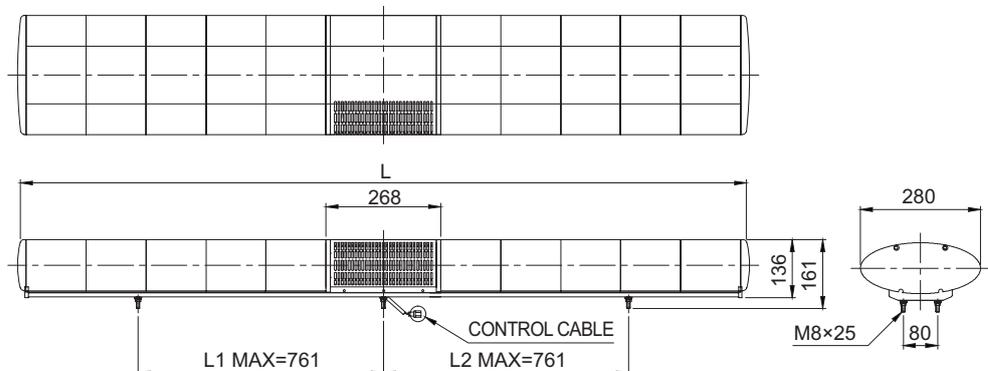
L(LENGTH)	
ELML-1(BLOCKS 2)	588mm
ELML-2(BLOCKS 4)	868mm
ELML-3(BLOCKS 6)	1148mm
ELML-4(BLOCKS 8)	1428mm
ELML-5(BLOCKS 10)	1708mm

· Power line specification ICE57(0.75sq) x 4C 3m
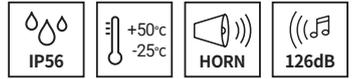
Wiring Instructions

·ELML-DC

AMP CONNECTOR   ELM CONNECTOR

(+)External Power	①	
(-)External Power	②	
Speaker	③	
Warning light	⑥	
Speaker	⑦	

① ——○ (+)External Power(RED)
——○ (-)External Power(BLACK)

② Speaker(BROWN)
③ Warning light(BLUE)
⑥
⑦ Speaker(GREEN)

Power(BLACK)
Speaker(BROWN)
Warning light(BLUE)
Speaker(GREEN)

AMP CONNECTOR
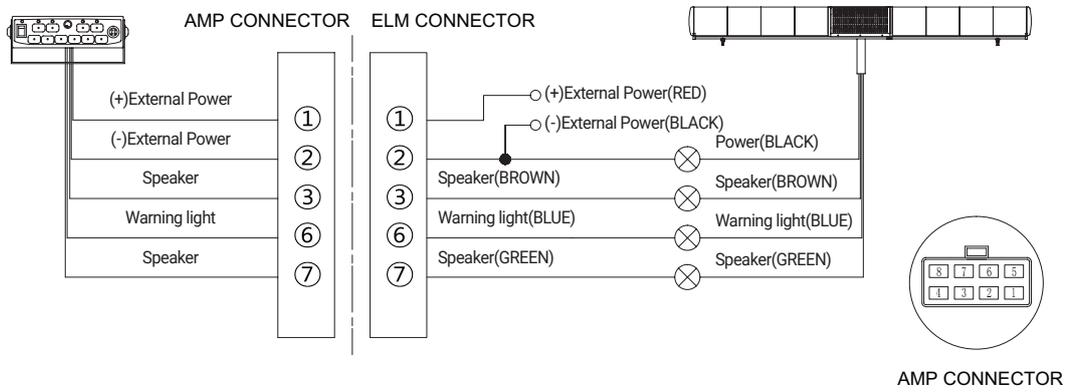
Ordering Specification

ELML	-	4	-	12	-	B/R	-	SAMP

[Model number]	[Layer]	[Voltage]	[Color]	[AMP]
ELML	1-1layer	12-DC12V	B/R ●● Blue-Red	None - No AMP
	2-2layers	24-DC24V	R/R ●● Red-Red	SAMP - AMP included
	3-3layers		A/A ●● Amber-Amber	
	4-4layers			
	5-5layers			

Solar Powered Warning Light Bar
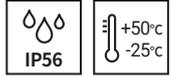
ELM-SOL

Solar powered warning light bar for road safety(road safety)

IP56

+50℃
-25℃

PRODUCT SPECIFICATION

ELM-SOL

Materials Lens/Housing-PC, Speaker Cover-STS, Reflector-Heat resistant ABS, Board-Al

Ambient operating temperature -25℃ to +50℃

Protection rating IP56

Flashing rate 60-80/min

- Semi-permanent lifetime by adopting high brightness LED
- Solar powered design does not require a power system(Built-in rechargeable battery)
- Built-in SUN switch activates a system that automatically operates the product when darkness is detected
- Operates for 96 hours upon full charge

ELM-SOL **Solar Powered Warning Light Bar**

Model number	Battery voltage	Battery capacity	Running time	Certificate	Weight
ELM-SOL	12V	12Ah	96 hour	-	12.80kg

Technical Diagram

Units: mm

·**ELM-SOL**

340

137

1148

506

392

497

280
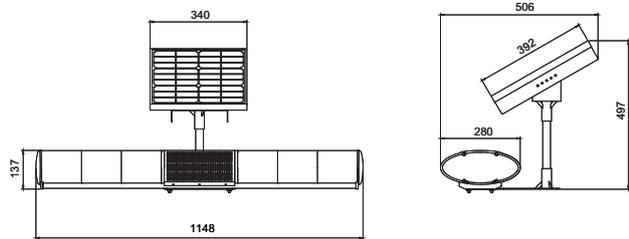
Controllable AMP for Warning Light Bar

SAMP

Signal sound AMP for ELML

SAMP Controllable AMP for Warning Light Bar

| Model number	Voltage	Current	Sound pattern	Frequency/ Repeat time	Certificate	Weight
SAMP	DC12V DC24V	5.20A 2.50A	Fire	300-700Hz /140cycle	-	1.09kg
			Emergency	350-750Hz /14cycle		
			Ambulance	610-690Hz /50cycle		
			Buzzer	2,200Hz		
			Horn sound	595Hz-1,040Hz		

· Simple linkage between sound signal and warning lights
· Clear and stable sound signal
· Built-in switch for emergency voice on the microphone

SAMP

Technical Diagram

Units: mm
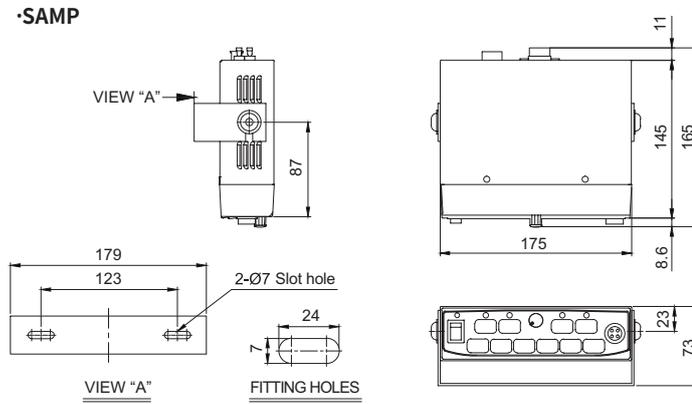
·SAMP

Wiring Instructions

·SAMP-DC

Ordering Specification

SAMP	-	12
[Model number]		[Voltage]
SAMP		12-DC12V
		24-DC24V
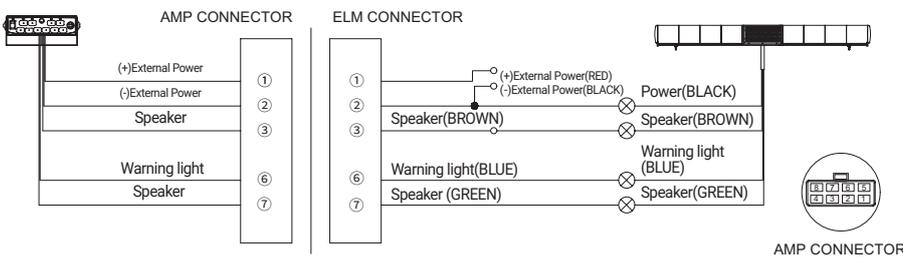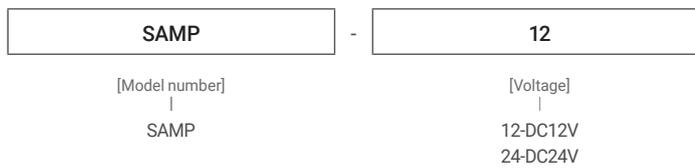
Global Networks

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Busan Office
704, Nakdong-daero, Sasang-gu, Busan, Korea(Eomgung-Dong)

Sweden
Norway
United Kingdom
Poland
Germany
Belgium
Romania
Spain
Italy
Türkiye
Russia
Kazakhstan
Iran
China
Korea
Japan
Qatar
UAE
Taiwan
India
Thailand
Vietnam
Philippines
Nigeria
Sri Lanka
Singapore
Indonesia
Australia

Qlight Vietnam

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Qlight China Factory(Qidong)
#33, Haiyan Road, Qidong High-teChIndustrial Development Zone,
Qidong, Jiangsu Province, China

Qlight Clients   Heavy industry/Ship building/Automotive/Steel/Machinery/Petrochemical/Power plants/Electronics/Semiconductor/Emergency Vehicles

|					
SAMSUNG	HYUNDAI	KIA	POSCO	coupang	SK hynix
LG Chem	SK innovation	HYUNDAI STEEL	KSOE KOREA SHIPBUILDING & OFFSHORE ENGINEERING	SAMSUNG HEAVY INDUSTRIES	HYUNDAI CONSTRUCTION EQUIPMENT
DOOSAN	ExxonMobil	gm	BMW	FOXCONN	HUAWEI
Honeywell	L'ORÉAL PARIS	ISUZU	ADNOC	KONECRANES	Kulicke & Soffa

Qlight products have been exported all over the world in recognition of excellent technical capabilities and exceptional quality.
Qlight products are going to be distributed a lot more countries in the future.

Canada

USA

Qlight USA
Qlight Inc. 75 E. Santa Clara St., Suite 900, San Jose, CA 95113 USA

Mexico

Qlight Japan
1-9, Maesato-cho, Minami-ku, Yokohama, 232-0004, Japan

Costa Rica

Columbia

Ecuador

Peru   Brazil

Argentina

Chile
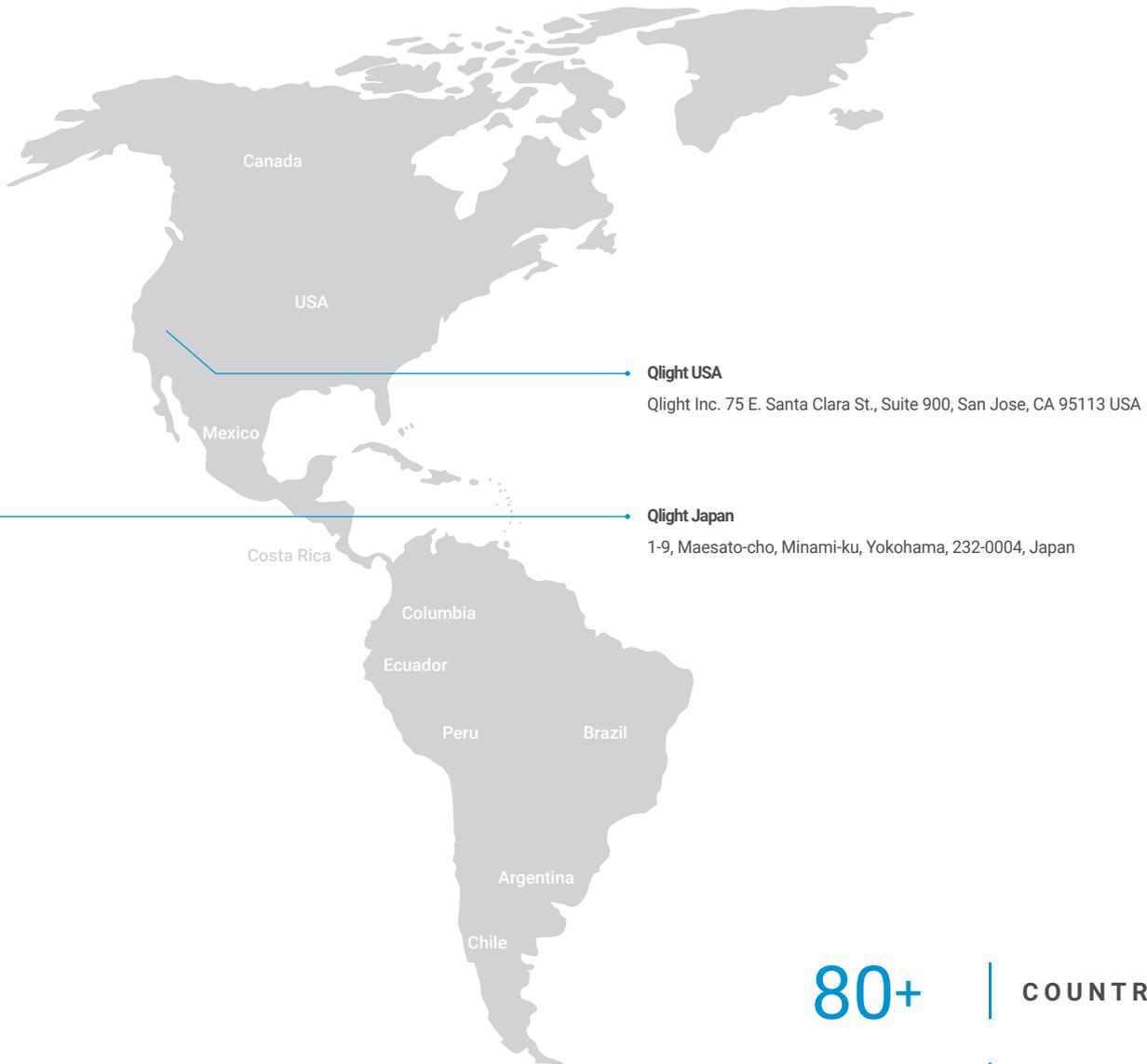
80+ | COUNTRIES

250+ | DISTRIBUTORS

Factory   Seoul Headquarters   Busan Office   Qlight China Factory

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

IECEx
International Explosion Proof Certification(IECEx)

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

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

NRTL
Certified by designated U.S. laboratory

KCs
Explosion proof device safety Certification System

TIIS
Japan Explosion-proof Certification

CCS
China Classification Society

TS
Taiwan Explosion Proof Certification

FCC
Federal Communications Communications

S-mark
safety certification

KC
Korea Safety Certification

CCC
China Compulsory Certificate

CCCF
China Certification Center for Security & Protection

UL
Underwriters Laboratories

CE
European Commission

ICAO
International Civil Aviation Organization

RoHS2
Restriction of Hazardous Substances Directive

Qlight Catalogue Introduction

Qlight produces a wide variety of product categories which offers the customer the ability to select the suitable device for their application needs and environments. There are signal tower lights, Signal Beacons and Sounders, Heavy-Duty and Explosion Proof Signalings, Warning light bars, Aviation Obstruction Lights, Smart Factory Product, Industrial LED lights, Performance Line - E Series, and limit switches.


Signal Tower Lights
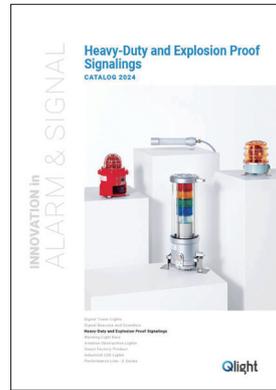


Signal Beacons and Sounders

Heavy-Duty and Explosion Proof Signalings
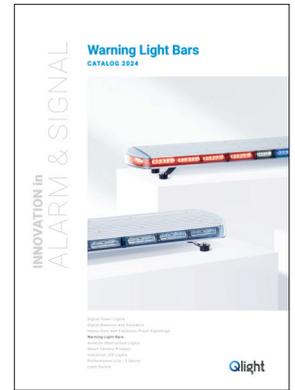

Warning Light Bars

Aviation Obstruction Lights
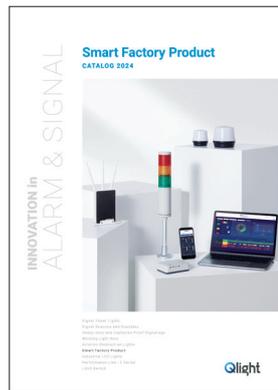
Smart Factory Product
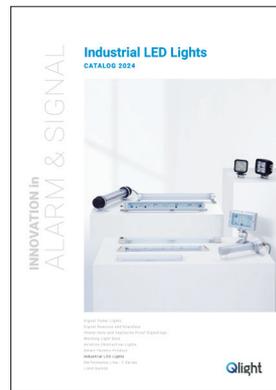
Industrial LED Lights

Performance Line - E Series

You could download and find the latest catalogue on the Qlight website.

* The latest product information could be accurately checked on the Qlight website (www.qlight.com). Please refer to the user manual attached with the product before installation and use.

www.qlight.com

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