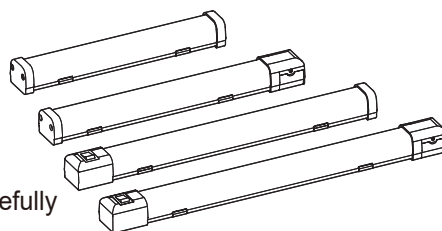# LED Light Bars for Distribution Panel
QEL/ QELT/ QELS/ QELTS

-30~+50℃

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

QEL	-	200	-	24
[Model number]		[Product length]		[Voltage]

- QEL - External power line
- QELT - Terminal box
- QELS - External power line with power switch
- QELTS - Terminal box with power switch

- 200 - 200mm
- 300 - 300mm
- 400 - 400mm
- 500 - 500mm

- 24 - DC24V
- 110 - AC110V
- 220 - AC220V

Please scan the QR code for more detailed product information.

www.qlight.com

Product Specifications

■ Optics Specifications

Model number	QEL-200 / QELT-200 QELS-200 / QELTS-200	QEL-300 / QELT-300 QELS-300 / QELTS-300	QEL-400 / QELT-400 QELS-400 / QELTS-400	QEL-500 / QELT-500 QELS-500 / QELTS-500
Directions	Translucent	Translucent	Translucent	Translucent
Light color (Standard)	Cool daylight			
Color temperature	6,000-7,000K			
Luminous flux — DC	180lm	300lm	420lm	500lm
Luminous flux — AC	180lm	300lm	420lm	500lm
Illumination (at 1m) — DC	80Lux	100Lux	150Lux	200Lux
Illumination (at 1m) — AC	75Lux	100Lux	150Lux	190Lux

■ General Product Specifications

Model number	QEL-200 / QELT-200 QELS-200 / QELTS-200	QEL-300 / QELT-300 QELS-300 / QELTS-300	QEL-400 / QELT-400 QELS-400 / QELTS-400	QEL-500 / QELT-500 QELS-500 / QELTS-500
Rated voltage	DC24V, AC110V, AC220V			
Range for operating voltage	DC21.5V-26.5V, AC98V-121V, AC198V-245V			
Power consumption — DC24V	4W	5.5W	8W	9.5W
Power consumption — AC110V	3W	3.5W	4.5W	5.5W
Power consumption — AC220V	3.5W	5W	6.5W	8.5W
Insulation resistance	Min. 100MΩ(500V DC mega ohm meter)			
Withstanding voltage	DC: 500VAC, 60Hz, 1 minute/AC: 1,500VAC, 60Hz, 1 minute			
Operating temperature	-30°C to +50°C			
Protection rating	Non waterproof			
Materials	Lens-PC, Side cover-ABS, Bracket-STS201			
Certificate	CE KC			
Weight(approx.)	0.08kg	0.10kg	0.13kg	0.15kg
Weight(approx.)	0.10kg	0.12kg	0.15kg	0.17kg

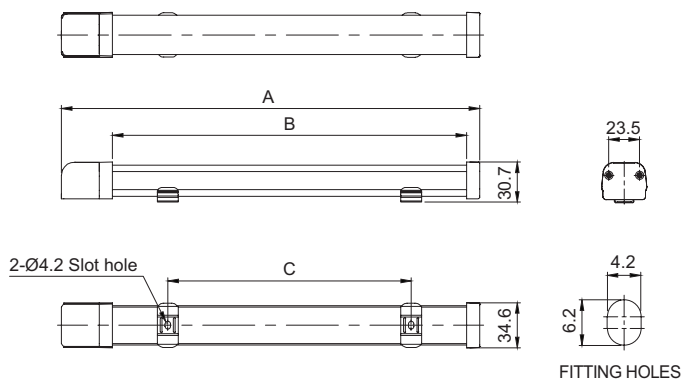※ CE compliant: DC24V, AC220V, KC compliant: AC220V(QEL/ QELS only)

Dimensions

(Units : mm)

QEL
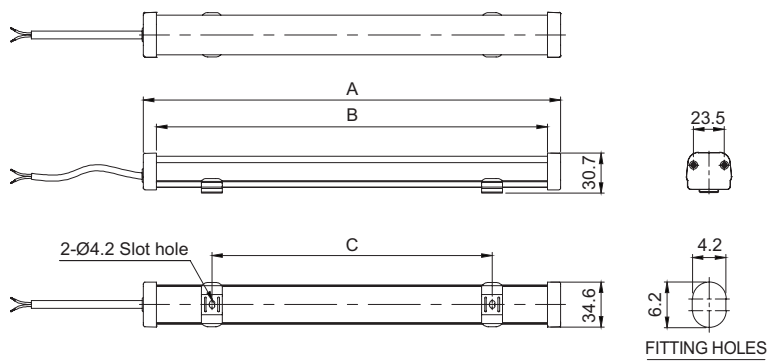
MODEL	A	B	C
QEL-200	220	200	16-170
QEL-300	320	300	16-270
QEL-400	420	400	16-370
QEL-500	520	500	16-470

23.5

30.7

2-Ø4.2 Slot hole

34.6

4.2

6.2

FITTING HOLES

QELT

MODEL	A	B	C
QELT-200	249	200	16-170
QELT-300	349	300	16-270
QELT-400	449	400	16-370
QELT-500	549	500	16-470

23.5

30.7

2-Ø4.2 Slot hole

34.6

4.2

6.2

FITTING HOLES

Dimensions

QELS

ON/OFF SWITCH

A

B

33.1

2-Ø4.2 Slot hole

C

34.6

4.2

6.2

FITTING HOLES
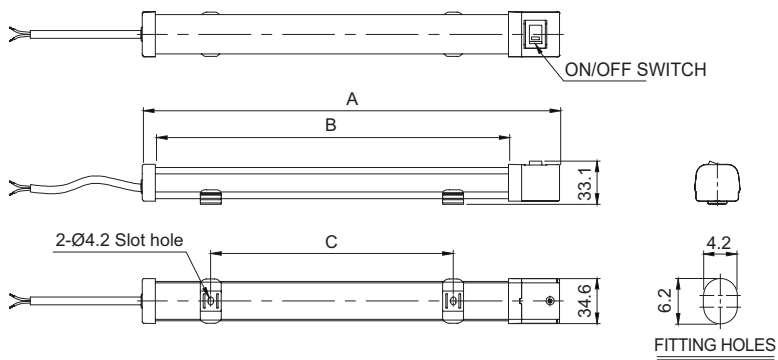
MODEL	A	B	C
QELS-200	249	200	16-170
QELS-300	349	300	16-270
QELS-400	449	400	16-370
QELS-500	549	500	16-470

QELTS

ON/OFF SWITCH

A

B

33.1

2-Ø4.2 Slot hole

C

34.6

4.2

6.2

FITTING HOLES
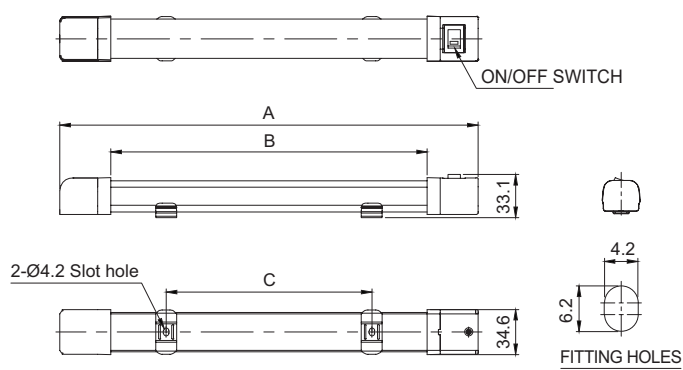
MODEL	A	B	C
QELTS-200	278	200	16-170
QELTS-300	378	300	16-270
QELTS-400	478	400	16-370
QELTS-500	578	500	16-470

Wiring Instructions

QEL

DC

White
Black
Fuse
Power

AC

Blue
Brown
Fuse
Power

QELS

DC

White
Black
Fuse
Power

AC

Blue
Brown
Fuse
Power
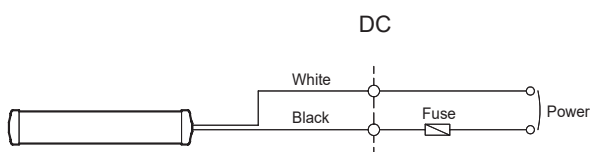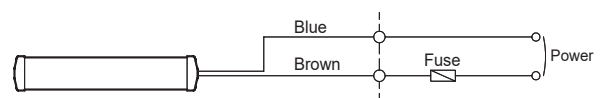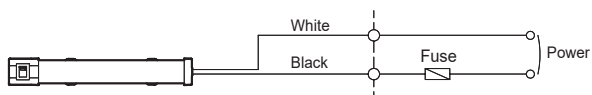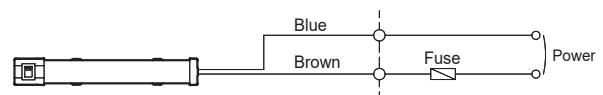
- DC type cable specification : External power line - UL2464 AWG22(0.3sq) x 2C 450mm

  AC type cable specification : External power line - VCTFK(0.75sq) x 2C 450mm
- This product can be wired regardless of polarity.
- For QELT and QELTS model, external power line is sold separately.

Parts definition/ Bracket Adjustment/ Terminal Wiring/ Switch

■ Parts Definition

Side cover(ABS) ——— QEL

QELT

Standard : Lens(PC) ———

Power switch type
cover(ABS) ———

QELS

Terminal type cover(ABS) ———

QELTS

Standard : Bracket(STS201) ———
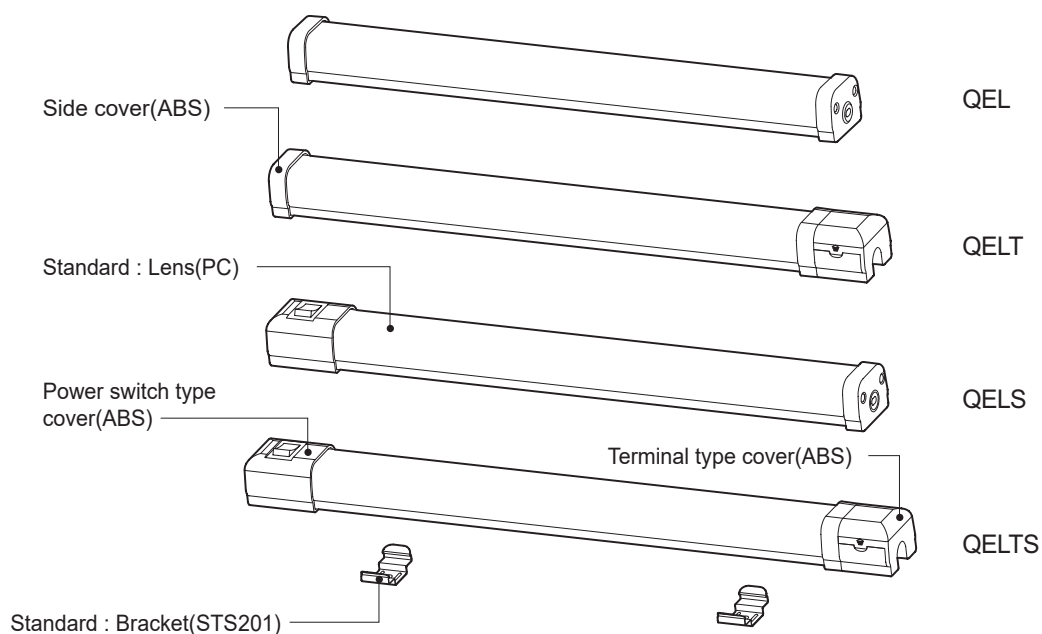
■ Bracket Adjustment

• Mounting brackets are removable with special sliding structure that allows easy adjustment of distance between the two mounting brackets.

■ Terminal Wiring (QELT, QELTS)

• QELT and QELTS models are wired according to the following instructions.
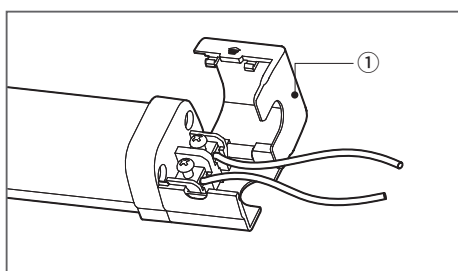
1) Lift open the terminal box cover ①
2) Loosen the bolts in the terminal box by rotating them in the CCW direction.
   Connect the power lines to the terminals and then fasten the lines by rotating the bolts in the CW direction (Product can be wired regardless of polarity).
3) After the power lines have been connected, please close the terminal box cover ①.

■ Terminal Wiring (QELS, QELTS)

• QELT and QELTS models can be turned off when the switch "O" ① is pushed down and turned on when the switch "I" ① is pushed down.
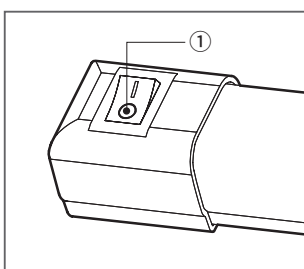
Off
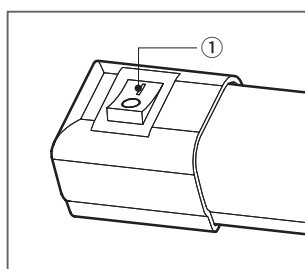
On

Installation/ Mounting Hole Specifications

■ Installation

- First, machine taps or holes on the mounting surface ①.
- The mounting hole of this product is 4.2mm in diameter (long hole).
- When machining taps, fasten the bolt through the mounting hole of the product.
- When machining holes, insert the bolt through the hole of the product, and tighten the nut from the opposite side of the mounting surface.
  (Install flat washer and spring washer when fastening bolt and nut.)
- To secure the product to brackets, place the products to brackets and push it lightly until it makes "clark" sound.
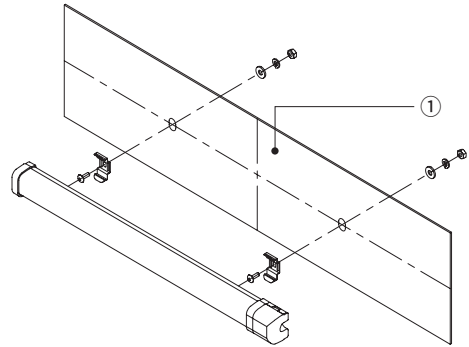
■ Mounting Hole Specifications

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

2-Ø5 HOLES
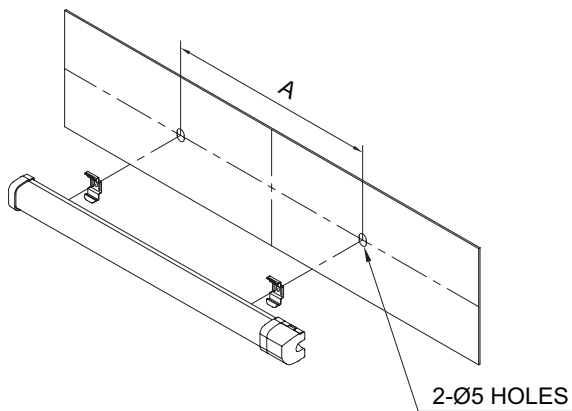
MODEL	A
QEL/ QELT/ QELS/ QELTS-200	16~170
QEL/ QELT/ QELS/ QELTS-300	16~270
QEL/ QELT/ QELS/ QELTS-400	16~370
QEL/ QELT/ QELS/ QELTS-500	16~470

Installation Environment and Protection Rating

- This product is not waterproof.
- This product is designed for only indoor use.
- 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).

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.
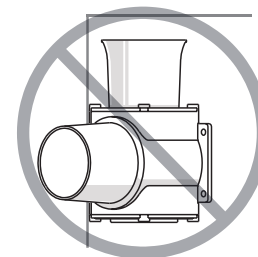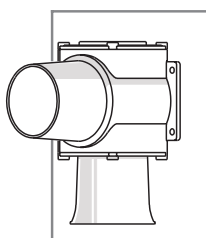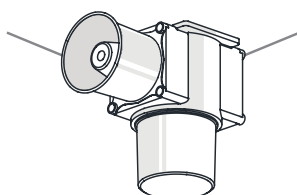
Power cord inlet part shall not be facing the sky.
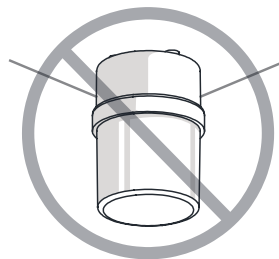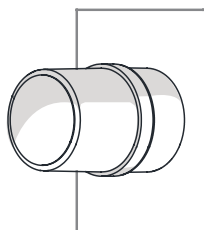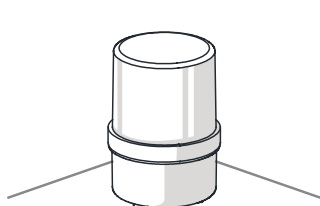
· ELECTRONIC SOUNDER/SIGNAL HORN

Sounder part shall not be facing the sky.
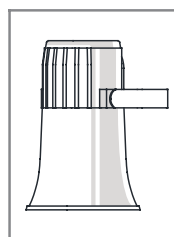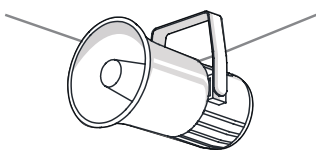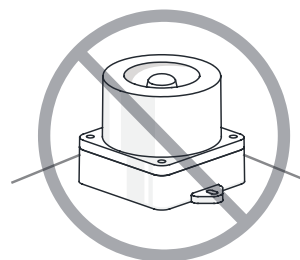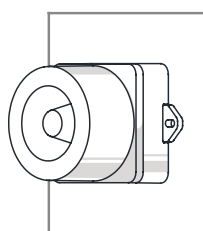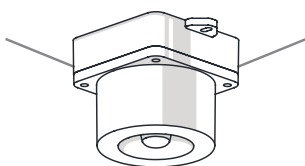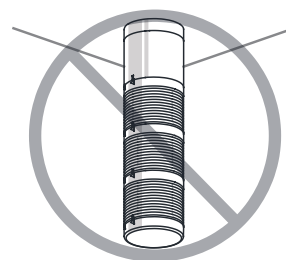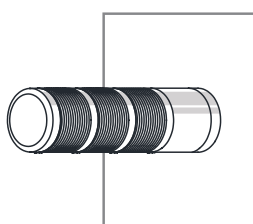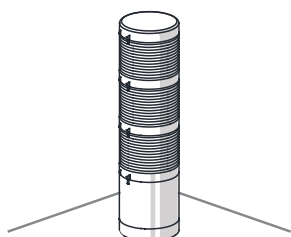

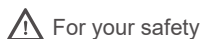· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

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

⚠ 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.

Qlightec
Innovation in Alarm & Signal

EN - QEL-200 - 2405A