INNOVATION IN ALARM & SIGNAL
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Qlight has been a world-leading provider of visual and audible status indicating systems and solutions for the last three decades. We pride ourselves in developing products which help our customer’s improvement, productivity, safety, and quality control in the industrial automation and commercial improve. Our strong dedication to innovative products, quality assurance, well-established supply chain, customizable manufacturing and strong customer relationships have helped us earn the top market share in Korea and China. These core values have also been fundamental to our continued growth into new markets. Qlight’s products are certified by the International Quality management System (ISO9001), IECEx, ATEX, UL, CE, Lloyd, KIMM, and KOSHA which display our dedication to stringent quality control and product development based on safety-pursuing industry standards. Our assembly lines in Busan, South Korea and Shanghai, China presently provide a variety of more than 450 of products to more than 40 countries, based on sales offices in South Korea (Seoul, Busan) China (Shanghai, Shenzhen, Shenyang, Tianzhen, Tianjin, Wenzhou), and the U.S. (Silicon Valley). The Qlight brand reflects 30 years of research and development, certification, and manufacturing experience. We will continue to establish ourselves as a industry-leading provider by pushing the boundaries of technology in order to enhance our customer’s efficiency and safety in every industry and region of the world.
Company History

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.

**Future: Continued Growth and Globalization**

Qlight will continue to take our chances for the second growth and globalization to establish itself as the world-leading provider in the automation manufacturing industry.

**Company History**

- **1986 - 1992**
  - Business Foundation and Consolidation
  - Established in 1986
  - nominated as the Company for development of Domestic Explosion-Proof Warning Light by korean ministry of Science & Technology
  - Established Shanghai QLight Electronic Co., Ltd. In China
  - Quality Assurance Company Certificate acquired

- **1993 - 2005**
  - Growing as a Signal Transmission Device Specialist
  - UL (underwriters Laboratory) certificate acquired
  - CE (conformity marking within European Economic Area) certificate acquired
  - Lloyd’s (uk’s maritime classification society) certificate acquired
  - 17 types of ABS (American classification society) certificates acquired
  - ISO 9001 and 2000 certificates acquired
  - Products applied in kIA motors automation equipment
  - Products applied in kTx (korea High Speed Rail) safety systems
  - KR (korean Register of Shipping) certificate acquired
  - Nominated for developing domestic Explosion Proof warning lights by Korean Ministry of Science & Technology
  - Established Shanghai Qlight Electronic Co.,Ltd. in China
  - Established Qlight Limited

- **2006 - 2010**
  - A Great Leap Forward & Business Restruction
  - Established Research & Development Center
  - ABS and kimm explosion proof certificates acquired
  - explosion proof Certificate from korea Industrial Safety Health Agency acquired
  - Obtained a patent for revolving bulb warning light
  - Obtained a patent for LED rotating warning light
  - NEPSI (national Supervision and Inspection Center for explosion Protection and Safety of Instrumentation) Certificate acquired
  - Products applied in Hyundai motors factories in Beijing, India and Czech Republic
  - Products applied in Hyundai motors factory automation equipments in Alabama. Products applied in highway Safety signal system of korea Expressway Corp.
  - UL Certificate for signal tower lights acquired

- **2011 - 2016**
  - New Engines of Growth
  - Obtained UL certificate for LED Signal lights Q series
  - Obtained UL certificate for LED Work light (QPL, QPLC200/300/400/500)
  - The second headquarter factory built
  - Obtained RMRS(Russian maritime Register of Shipping) certificates for three items including SW2TS limit switch
  - Obtained UL certificates for LED work lights for QML150/250 and QMFL500/600
  - Explosion Proof product family including SNE, SNES, SES, SEA, SPNA acquired IECEx certificates
  - ATEX (European certification of explosion proof) certificate acquired
  - Technology innovation company (INNOBIZ) certificate acquired
  - CCS (Chinese classification society) certificate acquired
  - ICAO (International Civil Aviation Organization) certificate acquired
  - Selected as a promising export company by the Small & medium Business Admin., korea

- **2017 - Present**
  - Continued Growth and Globalization
  - Qlight will continue to take our chances for the second growth and globalization to establish itself as the world-leading provider in the automation manufacturing industry.
R&D Center

Qlight’s R&D Laboratory continually strives to enhance our technology in the areas of product miniaturization, unmanned operation, and strengthened durability in order to develop products that can satisfy our customer’s sophisticated needs. Considering our customer’s diverse operational conditions, we constantly pursue the best product quality by testing and measuring our products under the most extreme conditions. We achieve our high quality through standardized processes acknowledged by world-leading certificate organizations such as UL, CE, ATEX, IECEx and etc.

Research Achievements

01 Interchangeable layer type tower lights
02 Warning light globes applying optical-path direction lighting system
03 Floodlight with high efficiency LED for inspecting cracks in industrial sites and industrial machinery
04 A lens that helps deliver the LED’s light in the lateral direction, and bulbs applying this lens (LR-transparent)
05 High intensity LED revolving warning lights applying multi-directional reflector
06 Explosion Proof electric horns applying sintered flame arrester
07 Brushless DC Motor
08 Rotors applying V-belt drive, featuring high energy efficiency and minimized noise
09 Multiple color LED warning lights
10 Signal lights applying LED bulbs as light source
11 Solar powered warning lights
12 Direct-drive warning lights
13 Special driving gear for revolving warning lights
14 LED Bulb applying special lens
15 Warning lights for heavy industry applying multi lens system
16 Signal horns embedded in the enclosure body that functions as a light source
17 LED work light bars specifically designed for machine tools with IP69K protection rating
# Explosion Proof Testing Laboratory

To maximize our efficiency in developing products within market driven timelines, Qlight has invested our own explosion proof test facilities in order to quickly develop new technologies and conduct pre-certification testing. The pre-certification testing follows the strict IEC 60079-0, IEC 60079-1 standards to ensure our quality and smooth certification process when submitted to universal standards bodies.

## Process of Explosion Proof Testing

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<tr>
<th>Step 01</th>
<th>MAXIMUM SURFACE TEMPERATURE MEASUREMENT</th>
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<td></td>
<td>• DATA LOGGER</td>
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<tr>
<td></td>
<td>• CONSTANT TEMP &amp; HUMI CHAMBER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 02</th>
<th>TEST FOR THERMAL SHOCK &amp; THERMAL ENDURANCE TO HEAT</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>• CONSTANT TEMP &amp; HUMI CHAMBER</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Step 03</th>
<th>TEST OF RESISTANCE TO IMPACT</th>
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<tr>
<td></td>
<td>• IMPACT TEST EQUIPMENT</td>
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<table>
<thead>
<tr>
<th>Step 04</th>
<th>AERATION MEASUREMENT</th>
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<tr>
<td></td>
<td>• DIGITAL MICROSCOPE</td>
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<table>
<thead>
<tr>
<th>Step 05</th>
<th>REFERENCE PRESSURE MEASUREMENT &amp; TEST FOR FLAME SPREAD</th>
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<tbody>
<tr>
<td></td>
<td>• EXPLOSION CHAMBER</td>
</tr>
<tr>
<td></td>
<td>• GAS MIX CYLINDER</td>
</tr>
<tr>
<td></td>
<td>• GAS ANALYZER</td>
</tr>
<tr>
<td></td>
<td>• BLASTING MACHINE</td>
</tr>
<tr>
<td></td>
<td>• GAS MIX TUBE*</td>
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<table>
<thead>
<tr>
<th>Step 06</th>
<th>PRESSURE TEST</th>
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<tbody>
<tr>
<td></td>
<td>• WATER PRESSURE TESTER</td>
</tr>
</tbody>
</table>
Explosion Proof Warning Lights

Applications for potentially explosive gas and dust atmospheres and harsh environmental conditions

**SEA**
Explosion proof warning light with enhanced long-distance visibility and excellent luminance

**SNES**
Compact and lightweight explosion proof warning light with built-in buzzer

**SESA**
Explosion proof warning light and electric horn combination

**SNE**
Economical and lightweight explosion proof warning light

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**Product Specifications**
- **Dimensions**
  - Cage ≈ Ø167mm
  - Depth ≈ 327mm
  - Height ≈ 287mm
- **Materials**
  - Body : Die Cast Al
  - Lens : Hard Glass
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating** - Exd Ⅱ C T6 IP66
- **Cable Entry** - 1/2”NPT, 3/4”NPT, M20

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**Product Specifications**
- **Dimensions**
  - Cage ≈ Ø152mm
  - Depth ≈ 189mm
  - Height ≈ 226mm
- **Sound Volume** - Max.105dB
- **Materials**
  - Body : Die Cast Al
  - Lens : Hard Glass
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating** - Exd Ⅱ C T6 IP66
- **Cable Entry** - 1/2” NPT, M20
<table>
<thead>
<tr>
<th>Product Specifications</th>
<th>Dimensions</th>
<th>Height</th>
<th>Materials</th>
<th>Light Pattern</th>
<th>Operating Voltages</th>
<th>Protection Ratings</th>
<th>Cable Entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>QEAL1</td>
<td>Cage: Ø152mm</td>
<td>226mm</td>
<td>Die Cast Al</td>
<td>-</td>
<td>-</td>
<td>Exd II C T4, IP66</td>
<td>1/2&quot;NPT, M20</td>
</tr>
<tr>
<td>QEAL2</td>
<td>Cage: Ø172mm</td>
<td>287mm</td>
<td>Die Cast Al</td>
<td>-</td>
<td>-</td>
<td>Exd II C T4, IP66</td>
<td>1/2&quot;NPT, M20</td>
</tr>
</tbody>
</table>

**SPNA**
High decibel explosion proof electric horn with a variety of built-in sounds

**SEBA**
Explosion proof warning light and alarm bell combination

**QTEX, QTEXB**
Explosion proof LED tower lights with protection rating of Exd II C T6 Gb, suitable for potentially flammable and hazardous explosive environments

**ST45ML-Ex, STB45ML-Ex**
Explosion proof LED signal towers, suitable for environments with high possibility of fire and explosion
Heavy-Duty Warning Lights

Applications for vessels, offshore rigs, petrochemical industries, and harsh environmental conditions

QA70HLS
LED warning light particularly designed for industrial vehicles and agricultural machines

QA115HLS, QA115HLSP
High-intensity LED strobe lights featuring excellent light efficiency with special light diffusion lens

QA125HLS, QA125HLSP
High-intensity LED strobe lights with excellent light efficiency with special light diffusion lens

QA140HLSP
Power LED strobe light applying Qlight’s exclusive energy efficient light dispersing lens system – suitable for heavy industries
**SH1**
Heavy-duty warning light with superior long-distance visibility and durability for vessels and offshore applications

**Product Specifications**
- **Dimensions**
  - Lens: Ø119mm
  - Body: Ø136mm
- **Height**: 178mm
- **Materials**
  - Body: Die Cast Al
  - Lens: PC
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP66
- **Cable Entry**: 1/2”PF

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**SH1T**
Heavy-duty warning light featuring a terminal box for easy wiring and repair, suitable for harsh environment conditions

**Product Specifications**
- **Dimensions**
  - Lens: Ø119mm
  - Body: Ø136mm
- **Height**: 178mm
- **Length**: 234mm
- **Materials**
  - Body: Die Cast Al
  - Lens: PC
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP66
- **Cable Entry**: 1/2”PF

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**SH2**
Large warning light with enhanced visibility, particularly suitable for large vessels and offshore rigs

**Product Specifications**
- **Dimensions**
  - Lens: Ø137mm
  - Body: Ø154mm
- **Height**: 210mm
- **Length**: 255mm
- **Materials**
  - Body: Die Cast Al
  - Lens: PC
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP66
- **Cable Entry**: 1/2”PF

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**SH2T**
Large warning light featuring a terminal box attached for easy wiring and repair, particularly suitable for large vessels

**Product Specifications**
- **Dimensions**
  - Lens: Ø137mm
  - Body: Ø154mm
- **Height**: 210mm
- **Length**: 250mm
- **Materials**
  - Body: Die Cast Al
  - Lens: PC
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP66
- **Cable Entry**: 1/2”PF

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**SHD**
Heavy-duty warning light and electric horn combination with aluminum housing

**Product Specifications**
- **Lens Dimensions**: Ø119mm
- **Height**: 237mm
- **Length**: 255mm
- **Sound Volume**: Max.118dB
- **Materials**
  - Body: Die Cast Al
  - Lens: PC
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP66
- **Cable Entry**: 1/2”PF

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**SHD2**
Heavy-Duty warning light and dual-facing electric horns combination with aluminum housing

**Product Specifications**
- **Lens Dimensions**: Ø119mm
- **Height**: 237mm
- **Length**: 343mm
- **Sound Volume**: Max.118dB x 2
- **Materials**
  - Body: Die Cast Al
  - Lens: PC
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP66
- **Cable Entry**: 1/2”PF
**SCD**
Special polycarbonate housed warning light and electric horn combination with enhanced sealing and durability for vessels and offshore rigs

**Product Specifications**
- Lens Dimensions ≈ Ø119mm
- Height ≈ 313mm, SCDF ≈ 322mm
- Depth ≈ 176mm, SCDF ≈ 167mm
- Sound Volume - Max.118dB
- Materials
  - Body : PC + 6%GF
  - Lens : PC
- Operating Voltages
  - DC12V, 24V, AC110V, 220V
- Protection Rating - IP66
- Cable Entry - 1/2”PF

**SD**
Wall mount Ø150mm warning light and electric horn combination with terminal box attached

**Product Specifications**
- Lens Dimensions ≈ Ø138mm
- Height ≈ 410mm
- Depth ≈ 175mm
- Sound Volume - Max.118dB
- Materials
  - Body : Die Cast Al
  - Lens : PC
- Operating Voltages
  - DC12V, 24V, AC110V, 220V
- Protection Rating - IP66
- Cable Entry - 1/2”PF

**SMD**
Wall mount Ø150mm warning light and electric horn combination with terminal box attached, perfect for extremely noisy and harsh environments

**Product Specifications**
- Lens Dimensions ≈ Ø138mm
- Height ≈ 442mm
- Depth ≈ 210mm
- Sound Volume - Max.120dB
- Materials
  - Body : Die Cast Al
  - Lens : PC
- Operating Voltages
  - DC12V, 24V, AC110V, 220V
- Protection Rating - IP66
- Cable Entry - 1/2”PF

**SED**
Wall mount Ø125mm warning light and electric horn combination with terminal box attached

**Product Specifications**
- Lens Dimensions ≈ Ø119mm
- Height ≈ 380mm
- Depth ≈ 175mm
- Sound Volume - Max.118dB
- Materials
  - Body : Die Cast Al
  - Lens : PC
- Operating Voltages
  - DC12V, 24V, AC110V, 220V
- Protection Rating - IP66
- Cable Entry - 1/2”PF

**SC**
Customizable product - warning light and electric horn combination

**Product Specifications**
- SC1
  - Width ≈ 150mm
  - Depth ≈ 200mm
  - Height ≈ 287mm
- SC2
  - Width ≈ 174mm
  - Depth ≈ 232mm
  - Height ≈ 312mm
- SC3
  - Width ≈ 244mm
  - Depth ≈ 292mm
  - Height ≈ 381mm

**SSL**
LED signal lights for container spreaders which provides excellent durability to extreme vibration and shock

**Product Specifications**
- Lens Dimensions ≈ Ø93mm
- Height ≈ 180-615mm
- Depth ≈ 43mm
- Materials
  - Lens : PC
  - Body : Al
- Operating Voltages
  - DC12V, 24V, AC110V, 220V
- Protection Rating - IP68
- Cable Entry - M12-5PIN connector
QWH35, QWH35SD, QWH50, QWH50SD
Wall mount smart electric horn embedded in the enclosure body, provides 31 variety of built-in sounds with 30 variety of SD card supported sounds

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- 168X222mm</td>
</tr>
<tr>
<td>- Depth ≅ 163mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Body Cover : ABS</td>
</tr>
<tr>
<td>- Body : ABS</td>
</tr>
<tr>
<td>- Horn Cover : PC</td>
</tr>
<tr>
<td>Volume - Max.123dB</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V,24V,AC110V–220V</td>
</tr>
<tr>
<td>Protection Rating - IP66</td>
</tr>
<tr>
<td>Cable Entry - Ø21</td>
</tr>
</tbody>
</table>

SN
Small electric horn, features superior durability with steel housing

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horn Dimension ≅ Ø119mm</td>
</tr>
<tr>
<td>Length ≅ 167mm</td>
</tr>
<tr>
<td>Body material - Steel</td>
</tr>
<tr>
<td>Sound Volume - Max.105dB</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>Protection Rating - IP55</td>
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</table>

SEHN50
Heavy-duty electronic siren with steel housing - Excellent for long-distance transmission of sounds in noisy environments

<table>
<thead>
<tr>
<th>Product Specifications</th>
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</thead>
<tbody>
<tr>
<td>Horn Dimension ≅ Ø167mm</td>
</tr>
<tr>
<td>Length ≅ 242mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Horn : Steel</td>
</tr>
<tr>
<td>- Body : Steel</td>
</tr>
<tr>
<td>Sound Volume - Max.120dB</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>Protection Rating - IP55</td>
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SANA200, SANA400, SANA700
Lightweight air horn with polycarbonate housing, corrosion resistant

<table>
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<tr>
<th>Product Specifications</th>
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</thead>
<tbody>
<tr>
<td>Horn Length</td>
</tr>
<tr>
<td>- SANA200 ≅ 333mm</td>
</tr>
<tr>
<td>- SANA400 ≅ 193mm</td>
</tr>
<tr>
<td>- SANA700 ≅ 144mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Horn : PC</td>
</tr>
<tr>
<td>- Body : ABS</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>Protection Rating - IP56</td>
</tr>
<tr>
<td>Cable Gland - 1/2&quot;PF</td>
</tr>
</tbody>
</table>

SEWN30
Water, dust, and corrosion resistant – suitable for harsh environment conditions such as the steel, ship, and outdoor plant facilities

<table>
<thead>
<tr>
<th>Product Specifications</th>
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<tbody>
<tr>
<td>Horn Dimension ≅ Ø120mm</td>
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<tr>
<td>Length ≅ 175mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Horn : PC, SUS316L</td>
</tr>
<tr>
<td>- Body : Die Cast Al</td>
</tr>
<tr>
<td>Sound Volume - Max.118dB</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>Protection Rating - IP56</td>
</tr>
<tr>
<td>Cable Entry : 1/2&quot;PF</td>
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</tbody>
</table>

SEWN50
Water and dust proof product with high volume sound, suitable for vessels, heavy industrial areas, and noisy environments

<table>
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<th>Product Specifications</th>
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<tbody>
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<td>Horn Dimension ≅ Ø172mm</td>
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<td>Length ≅ 208mm</td>
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<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Horn : SUS316L</td>
</tr>
<tr>
<td>- Body : Die Cast Al</td>
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<td>Sound Volume - Max.120dB</td>
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<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V, 220V</td>
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<tr>
<td>Protection Rating - IP56</td>
</tr>
<tr>
<td>Cable Entry : 1/2&quot;PF</td>
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</tbody>
</table>
Signal Tower Lights

Applications for semiconductor manufacturing facilities, robotic production lines, and remote monitoring systems

**STA25SLM**
025mm super slim LED tower light which provides excellent visibility by using a high brightness LED with a special diffusion lens

**STA35SL, STA35SLM**
035mm slim LED tower light which provides excellent visibility by using a high brightness LED with a special diffusion lens

**STA45SLM, STA45SLMP**
045mm slim LED tower light which provides excellent visibility by using a high brightness LED with a special diffusion lens

**QT56HEX**
Hexagon shaped metal housing, excellent impact resistance with use of die casted housing
<table>
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<th><strong>ST56EL, ST80EL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulb steady/flashing tower lights which adopts a light bulb with excellent durability and longevity</td>
<td>LED signal towers, suitable for semiconductor manufacturing facilities, robotic production lines, and remote monitoring systems</td>
</tr>
<tr>
<td><strong>Product Specifications</strong></td>
<td><strong>Product Specifications</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td>ST45B ≈ Ø45mm</td>
<td>ST56EL ≈ Ø56mm</td>
</tr>
<tr>
<td>ST56B ≈ Ø56mm</td>
<td>ST80EL ≈ Ø80mm</td>
</tr>
<tr>
<td>ST80B ≈ Ø80mm</td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td><strong>Body</strong>: ABS - <strong>Lens</strong>: AS - <strong>Pole</strong>: Al</td>
</tr>
<tr>
<td><strong>Flash Rate</strong>: 60-80 fpm</td>
<td><strong>Operating Voltages</strong></td>
</tr>
<tr>
<td><strong>Operating Voltages</strong></td>
<td>DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>DC12V, 24V, AC110V, 220V</td>
<td><strong>Protection Ratings</strong></td>
</tr>
<tr>
<td><strong>Protection Ratings</strong></td>
<td>- With Built-in Buzzer: IP23</td>
</tr>
<tr>
<td>- Without Buzzer: IP44</td>
<td>- Without Buzzer: IP23</td>
</tr>
<tr>
<td><strong>BT45MCL</strong></td>
<td><strong>ST45L-W, ST56L-W, ST80L-W</strong></td>
</tr>
<tr>
<td>High brightness LED steady tower light that can be configured with 7 colors in 1 unit</td>
<td>High intensity LED signal tower and electric horn combinations with 5 selectable sound patterns</td>
</tr>
<tr>
<td><strong>Product Specifications</strong></td>
<td><strong>Product Specifications</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td>ST45L ≈ Ø45mm</td>
<td>ST45WL ≈ Ø45mm</td>
</tr>
<tr>
<td>ST56L ≈ Ø56mm</td>
<td>ST56WL ≈ Ø56mm</td>
</tr>
<tr>
<td>ST80L ≈ Ø80mm</td>
<td>ST80WL ≈ Ø80mm</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td>Body: ABS - Lens: AS - Pole: Al</td>
<td><strong>Buzzer</strong>: Max. 90dB</td>
</tr>
<tr>
<td>Buzzer: Max. 90dB</td>
<td><strong>Flash Rate</strong>: 60-80 fpm</td>
</tr>
<tr>
<td><strong>Flash Rate</strong>: 60-80 fpm</td>
<td><strong>Operating Voltages</strong></td>
</tr>
<tr>
<td><strong>Operating Voltages</strong></td>
<td>DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>DC12V, 24V, AC110V, 220V</td>
<td><strong>Protection Ratings</strong></td>
</tr>
<tr>
<td><strong>Protection Ratings</strong></td>
<td>- With Built-in Buzzer: IP23</td>
</tr>
<tr>
<td>- Without Buzzer: IP44</td>
<td>- Without Buzzer: IP23</td>
</tr>
<tr>
<td><strong>ST45L, ST56L, ST80L</strong></td>
<td><strong>STC45, STC56, STC80</strong></td>
</tr>
<tr>
<td>High intensity power LED signal towers with built-in alarm - can select between steady/flashing function</td>
<td>Multi-Color LED tower lights that can deliver two to three signals with one layer</td>
</tr>
<tr>
<td><strong>Product Specifications</strong></td>
<td><strong>Product Specifications</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td>ST45L ≈ Ø45mm</td>
<td>STC45 ≈ Ø45mm</td>
</tr>
<tr>
<td>ST56L ≈ Ø56mm</td>
<td>STC56 ≈ Ø56mm</td>
</tr>
<tr>
<td>ST80L ≈ Ø80mm</td>
<td>STC80 ≈ Ø80mm</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td>Body: ABS - Lens: AS - Pole: Al</td>
<td><strong>Buzzer</strong>: Max. 90dB</td>
</tr>
<tr>
<td>Buzzer: Max. 90dB</td>
<td><strong>Flash Rate</strong>: 60-80 fpm</td>
</tr>
<tr>
<td><strong>Flash Rate</strong>: 60-80 fpm</td>
<td><strong>Operating Voltages</strong></td>
</tr>
<tr>
<td><strong>Operating Voltages</strong></td>
<td>DC12V, 24V, AC110V, 220V</td>
</tr>
<tr>
<td>DC12V, 24V, AC110V, 220V</td>
<td><strong>Protection Ratings</strong></td>
</tr>
<tr>
<td><strong>Protection Ratings</strong></td>
<td>- Built-in Buzzer type: IP23</td>
</tr>
<tr>
<td>- Without Buzzer: IP44</td>
<td>- Without Buzzer: IP23</td>
</tr>
<tr>
<td><strong>ST56EL, ST80EL</strong></td>
<td><strong>QT56MCL</strong></td>
</tr>
<tr>
<td>LED signal towers, suitable for semiconductor manufacturing facilities, robotic production lines, and remote monitoring systems</td>
<td>High brightness LED steady tower light that can be configured with 7 colors in 1 unit</td>
</tr>
<tr>
<td><strong>Product Specifications</strong></td>
<td><strong>Product Specifications</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td>ST56EL ≈ Ø56mm</td>
<td>ST56EL ≈ Ø56mm</td>
</tr>
<tr>
<td>ST80EL ≈ Ø80mm</td>
<td><strong>Height</strong>: 397mm</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td><strong>Body</strong>: ABS - <strong>Lens</strong>: AS - <strong>Pole</strong>: Al</td>
<td><strong>Height</strong>: 397mm</td>
</tr>
<tr>
<td><strong>Buzzer</strong>: Max. 90dB</td>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td><strong>Flash Rate</strong>: 60-80 fpm</td>
<td><strong>Lens</strong>: PC</td>
</tr>
<tr>
<td><strong>Operating Voltages</strong></td>
<td><strong>Housing</strong>: Al</td>
</tr>
<tr>
<td><strong>Operating Voltages</strong></td>
<td><strong>Mounting bracket</strong>: Al</td>
</tr>
<tr>
<td>DC12V, 24V, AC110V, 220V</td>
<td><strong>Operating Voltage</strong></td>
</tr>
<tr>
<td>DC12V</td>
<td>- DC24V</td>
</tr>
<tr>
<td><strong>Protection Ratings</strong></td>
<td><strong>Protection Ratings</strong></td>
</tr>
<tr>
<td>IP23(with Buzzer)</td>
<td>- IP44(without Buzzer)</td>
</tr>
<tr>
<td>IP23(with Buzzer)</td>
<td>- IP23(with Buzzer)</td>
</tr>
<tr>
<td>- Without Buzzer: IP44</td>
<td>- Without Buzzer: IP44</td>
</tr>
</tbody>
</table>
### SJ, SR
LED tower lights for small equipment applications

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- SJ ≒ 95x95mm</td>
</tr>
<tr>
<td>- SR ≒ Ø83mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Body : ABS</td>
</tr>
<tr>
<td>- Lens : ABS</td>
</tr>
<tr>
<td>- Pole : Al</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V–220V</td>
</tr>
<tr>
<td>Protection Rating – IP44</td>
</tr>
</tbody>
</table>

### STG40, STG50
Layer re-arrangeable LED steady/flash tower lights, vertical lens contact structure allows for easy assembly and layer re-arrangement

- STG40 ≒ Ø40mm
- STG50 ≒ Ø50mm

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- STG40 ≒ Ø40mm</td>
</tr>
<tr>
<td>- STG50 ≒ Ø50mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Lens : AS</td>
</tr>
<tr>
<td>- Body : ABS</td>
</tr>
<tr>
<td>- Pole : Al</td>
</tr>
<tr>
<td>Buzzer - Min. 50dB – Max. 85dB</td>
</tr>
<tr>
<td>Flash Rate - 60–80 fpm</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V–220V</td>
</tr>
<tr>
<td>Protection Ratings</td>
</tr>
<tr>
<td>- Built-in Buzzer type : IP54</td>
</tr>
<tr>
<td>- Without Buzzer : IP65</td>
</tr>
</tbody>
</table>

### QTC50, QTC60, QTC70
LED steady/flash tower lights with separate color filter lens inside the outer lens helping provide a clear signal

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- QTC50 ≒ Ø50mm</td>
</tr>
<tr>
<td>- QTC60 ≒ Ø60mm</td>
</tr>
<tr>
<td>- QTC70 ≒ Ø70mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Lens : AS - Body : ABS</td>
</tr>
<tr>
<td>- Pole : Al</td>
</tr>
<tr>
<td>Buzzer - Min. 50dB – Max. 85dB</td>
</tr>
<tr>
<td>Flash Rate - 60–80 fpm</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V–220V</td>
</tr>
<tr>
<td>Protection Ratings</td>
</tr>
<tr>
<td>- Built-in Buzzer type : IP54</td>
</tr>
<tr>
<td>- Without Buzzer : IP65</td>
</tr>
</tbody>
</table>

### QTG50, QTG60, QTG70
LED steady/flash tower lights featuring excellent far visibility with special color diffusion lens

- QTG50 ≒ Ø50mm
- QTG60 ≒ Ø60mm
- QTG70 ≒ Ø70mm

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- QTG50 ≒ Ø50mm</td>
</tr>
<tr>
<td>- QTG60 ≒ Ø60mm</td>
</tr>
<tr>
<td>- QTG70 ≒ Ø70mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Lens : AS – Body : ABS</td>
</tr>
<tr>
<td>- Pole : Al</td>
</tr>
<tr>
<td>Buzzer – Min. 50dB – Max. 85dB</td>
</tr>
<tr>
<td>Flash Rate – 60–80 fpm</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V–220V</td>
</tr>
<tr>
<td>Protection Ratings</td>
</tr>
<tr>
<td>- Built-in Buzzer type : IP54</td>
</tr>
<tr>
<td>- Without Buzzer : IP65</td>
</tr>
</tbody>
</table>

### QTR50, QTR60, QTR70
LED steady/flash tower lights with milky translucent inner color filter providing comfortable viewing for the operator

- QTR50 ≒ Ø50mm
- QTR60 ≒ Ø60mm
- QTR70 ≒ Ø70mm

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- QTR50 ≒ Ø50mm</td>
</tr>
<tr>
<td>- QTR60 ≒ Ø60mm</td>
</tr>
<tr>
<td>- QTR70 ≒ Ø70mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Lens : AS – Body : ABS</td>
</tr>
<tr>
<td>- Pole : Al</td>
</tr>
<tr>
<td>Buzzer – Min. 50dB – Max. 85dB</td>
</tr>
<tr>
<td>Flash Rate – 60–80 fpm</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V–220V</td>
</tr>
<tr>
<td>Protection Ratings</td>
</tr>
<tr>
<td>- Built-in Buzzer type : IP54</td>
</tr>
<tr>
<td>- Without Buzzer : IP65</td>
</tr>
</tbody>
</table>

### QWT
Wall mount LED tower light that minimizes the chance of breakage from moving obstacles or personnel

<table>
<thead>
<tr>
<th>Product Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>- Ø70mm</td>
</tr>
<tr>
<td>Height ≒ 122–286mm</td>
</tr>
<tr>
<td>Materials</td>
</tr>
<tr>
<td>- Lens : PC</td>
</tr>
<tr>
<td>- Cover : ABS</td>
</tr>
<tr>
<td>- Body : ABS</td>
</tr>
<tr>
<td>Buzzer – Max. 85 dB</td>
</tr>
<tr>
<td>Flash Rate – 60–80 fpm</td>
</tr>
<tr>
<td>Operating Voltages</td>
</tr>
<tr>
<td>- DC12V, 24V, AC110V–220V</td>
</tr>
<tr>
<td>Protection Rating – IP54</td>
</tr>
</tbody>
</table>
**Product Specifications**

- **Dimensions**
  - QT50L ≒ Ø50 / QT70L ≒ Ø70
- **Materials**
  - Lens : PC
  - Cover : ABS
  - Base Modular : PC
  - Pole : Al
- **Flash Rate**
  - 60–80 fpm
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**
  - IP54

---

**QT50L-W, QT70L-W**

Modular LED signal tower and horn combination with 5 selectable sound patterns

**Product Specifications**

- **Dimensions**
  - QT50L-W ≒ Ø50mm
  - QT70L-W ≒ Ø70mm
- **Materials**
  - Lens : PC
  - Cover : ABS
  - Base Modular : PC
  - Pole : Al
- **Speaker**
  - QT50L-W : 85dB, QT70L-W : 85dB
- **Flash Rate**
  - 60–80 fpm
- **Operating Voltages**
  - DC12V, 24V
- **Protection Rating**
  - IP54

---

**QT50L-BZ, QT70L-BZ**

Modular LED signal tower with built-in buzzer - interchangeable modules to customer specification

**Product Specifications**

- **Dimensions**
  - QT50L-BZ ≒ Ø50 / QT70L-BZ ≒ Ø70
- **Materials**
  - Lens : PC
  - Cover : ABS
  - Base Modular : PC
  - Pole : Al
  - Buzzer : Max.90dB
- **Flash Rate**
  - 60–80 fpm
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**
  - IP54

---

**QT56L-WN**

Wireless controllable signal tower with LED Steady, LED Flashing, LED Revolving Flashing, LED Strobe light functions

**Product Specifications**

- **Dimensions**
  - Ø50mm
- **Materials**
  - Lens : AS
  - Cover : ABS
  - Housing : ABS
- **Type**
  - LED Steady, LED Flashing, LED Revolving Flashing, LED Strobe
- **Buzzer**
  - Max. 80dB
- **Flash Rate**
  - 60–80 fpm
- **Operating Voltages**
  - DC12V, 24V, AC110V, 220V
- **Protection Rating**
  - IP65

---

**SWT**

Wall mount LED tower light - featuring enhanced visibility with a special light diffusion filter that directly radiates light to the user

**Product Specifications**

- **Dimensions**
  - Ø90mm
- **Height**
  - 216mm
- **Depth**
  - 46mm
- **Materials**
  - Lens : PC
  - Body : ABS
  - Cover : ABS
  - Volume : 90dB
  - Flash Rate : 60–80 fpm
  - Operating Voltages
  - DC12V, 24V, AC110V, 220V
  - Protection Rating : IP54

---

**SWTC**

Multi-color LED tower light with a large enclosure, excellent visibility with a special light diffusing filter that directly radiates light to the user

**Product Specifications**

- **Dimensions**
  - Ø90mm
- **Height**
  - 216mm
- **Depth**
  - 46mm
- **Materials**
  - Lens : PC
  - Body : ABS
  - Cover : ABS
  - Volume : 90dB
  - Flash Rate : 60–80 fpm
  - Operating Voltages
  - DC12V, 24V, AC110V, 220V
  - Protection Rating : IP54
Special controllable USB Interface/Ethernet Tower Lights

Ethernet LED signal tower connected and controlled by TCP/IP Ethernet communication through internet or LAN/USB interface. LED signal tower powered by PC’s USB port.

**Ethernet**

**What is Ethernet?** Ethernet is one of the computer networking technologies for local area (LAN) and larger networks, which was standardized as IEEE (Institute of Electrical and Electronics Engineers) 802.3.

**USB**

**What is USB?** USB is an industry standard that defines cables, connectors, and communication protocols used in bus between PCs and its peripherals. A single host controller of USB can connect to up to 127 devices without rebooting the connected PC or installation process.
**Product Specifications**

**Dimensions**
- ST45L-USB ≒ Ø45mm
- ST56EL-USB ≒ Ø56mm
- ST80EL-USB ≒ Ø80mm

**Materials**
- Body : ABS
- Lens : AS
- Pole : Al
- Buzzer - Max.90dB
- Speaker - Max.85dB
- Flash Rate - 60~80 fpm
- Operating Voltages - DC12V, 24V, AC110V, 220V
- Protection Rating - IP23

**ST45L-USB, ST56EL-USB, ST80EL-USB**

USB interface LED signal towers powered by PC’s USB port

---

**Product Specifications**

**Dimensions**
- ST45L-USB ≒ Ø45mm
- ST56EL-USB ≒ Ø56mm
- ST80EL-USB ≒ Ø80mm

**Materials**
- Body : ABS - Lens : AS
- Pole : Al
- Buzzer - Max.90dB
- Speaker - Max.85dB
- Flash Rate - 60~80 fpm
- Operating Voltages - DC12V, 24V, AC110V, 220V
- Protection Rating - IP23

**ST45L-ETN, ST56EL-ETN, ST80EL-ETN**

Ethernet LED signal towers connected and controlled by TCP/IP Ethernet communication through internet or LAN

---

**Product Specifications**

**Dimensions**
- QT50L-USB ≒ Ø50mm
- QT70L-USB ≒ Ø70mm

**Materials**
- Lens : PC - Cover : ABS
- USB Modular : PC - Pole : Al
- Buzzer, Speaker
- QT50L-USB : 85dB
- QT70L-USB : 90dB
- Flash Rate - 60~80 fpm
- Operating Voltage - USB DC 5V
- Protection Rating - IP54

**QT50L-USB, QT70L-USB**

Modular LED signal tower remotely controlled and monitored through PC application program

---

**Product Specifications**

**Dimensions**
- QT50L-ETN ≒ Ø50mm
- QT70L-ETN ≒ Ø70mm

**Materials**
- Lens : PC - Cover : ABS
- ETN Modular : PC - Pole : Al
- Buzzer, Speaker
- QT50L-ETN : 85dB
- QT70L-ETN : 90dB
- Flash Rate - 60~80 fpm
- Operating Voltages - DC12V, 24V
- Protection Rating - IP54

**QT50L-ETN, QT70L-ETN**

Ethernet LED signal tower light controlled remotely through internet and LAN

---

**Product Specifications**

**Dimensions**
- Lens ≒ Ø80mm
- Body ≒ Ø119mm
- ST80EL-USB ≒ Ø80mm

**Materials**
- Body : ABS
- Lens : AS
- Sound Volume - Max.105dB
- Flash Rate - 60~80 fpm
- Operating Voltages - DC12, 24V, AC110V, 220V
- Protection Rating - IP54

**STDEL-USB**

USB controllable tower light and electric horn combination
## Electric Horns

Wide range of electric horns with clear and high volume for various purposes

### SEN15/25

Electric horn with clear and high-volume sound, suitable for extremely noisy environments

### QMPS

Panel mount multi-functional smart electric horn, provides 30 variety of pre-recorded sounds and SD card supported sounds

### SRN

Economical, compact, and lightweight horn with high-volume sound

### SPK

Panel mount speaker that plays 8 clear and periodic sound tones

### Product Specifications

- **Horn Dimension**: 130X130mm
- **Body material**: ABS
- **Sound Volume**: Max. 108dB/115dB
- **Operating Voltages**: DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP55

- **Horn Dimension**: Ø125mm
- **Length**: ~185mm
- **Body material**: ABS
- **Sound Volume**: Max. 108dB
- **Operating Voltages**: DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP55

- **Horn Dimension**: 130X130mm
- **Body material**: ABS
- **Sound Volume**: Max. 108dB/115dB
- **Operating Voltages**: DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP55

- **Horn Dimension**: 130X130mm
- **Body material**: ABS
- **Sound Volume**: Max. 108dB
- **Operating Voltages**: DC12V, 24V, AC110V, 220V
- **Protection Rating**: IP55

- **Horn Dimension**: Ø125mm
- **Length**: ~185mm
- **Body material**: ABS
- **Sound Volume**: Max. 98dB
- **Operating Voltages**: DC12, 24V, AC110V, 220V
- **Protection Rating**: IP23

- **Horn Dimension**: Ø125mm
- **Length**: ~185mm
- **Body material**: ABS
- **Sound Volume**: Max. 108dB
- **Operating Voltages**: DC12, 24V, AC110V, 220V
- **Protection Rating**: IP23

- **Dimensions**: 120×120mm
- **Depth**: ~69mm
- **Materials**
  - Housing Cover: ABS
  - Housing: ABS
- **Volume**: Max. 98dB
- **Operating Voltages**: DC12-24V, AC110-220V
- **Protection Rating**: IP54

- **Dimensions**: 120×120mm
- **Depth**: ~75mm
- **Materials**
  - Housing Cover: ABS
  - Housing: ABS
- **Volume**: Max. 98dB
- **Operating Voltages**: DC12-24V, AC110-220V
- **Protection Rating**: IP54
S60ADH
Wall mount high buzzer horn with resonance structure realizes low power consumption and high sound tone

Product Specifications
• Horn Dimension ≒ Ø75mm
• Length ≒ 158mm
• Body material – ABS
• Sound Volume – Max.100dB
• Operating Voltages
  – DC12V, 24V, AC110V, 220V
• Protection Rating – IP55

QAD100HC, QAD100BZC
Ø100mm wall mount smart electric horn (QAD100HC) / buzzer (QAD100BZC) with 30 variety of pre-recorded sounds

Product Specifications
• Dimensions ≒ Ø97mm
• Height ≒ 137mm
• Material
  – Housing : ABS
  – Buzzer : Max. 105dB
  – Electric Horn : Max. 100dB
• Operating Voltages
  – DC12V–24V, AC110V–220V
• Protection Rating – IP65

QAD80HC, QAD80BZC
Ø80mm wall mount smart electric horn (QAD80HC) / buzzer (QAD80BZC) with 30 variety of pre-recorded sounds

Product Specifications
• Dimensions ≒ Ø83mm
• Height ≒ 129mm
• Material
  – Housing : ABS
  – Buzzer : Max. 105dB
  – Electric Horn : Max. 100dB
• Operating Voltages
  – DC12V, 24V
• Protection Rating – IP65

SMP35/ 50
Self-stand smart electric horn with max. sound input of 115dB/m (SMP35 type) and 123dB/m (SMP50 type) with 30 variety of pre-recorded sound binary input and SD card sound input supported

Product Specifications
• Dimensions ≒ 145×177mm
• Length ≒ 216mm
• Materials
  – Housing : ABS
  – Mount : STS
• Volume
  – SMP35 ≒ Max. 115dB
  – SMP50 ≒ Max. 123dB
• Operating Voltages
  – DC12–24V, AC110–220V
• Protection Rating – IP65

QAD125HC, QAD125BZC
Ø125mm wall mount smart electric buzzer (QAD125HC) and electric horn(QAD125BZC) with 30 variety of pre-recorded sound binary input and SD card sound input supported

Product Specifications
• Dimensions ≒ Ø1116mm
• Height ≒ 149mm
• Material
  – Housing : ABS
  – Buzzer : Max. 105dB
  – Electric Horn : Max. 115dB
• Operating Voltages
  – DC12V–24V, AC110V–220V
• Protection Rating – IP65

SN-1
Compact and economical electric horn with 1 warning sound and, for DC only

Product Specifications
• Horn Dimension ≒ Ø135mm
• Length ≒ 140mm
• Body material – Steel
• Sound Volume – Max.100dB
• Operating Voltages
  – DC12V, 24V
• Protection Rating – IP55
Warning Beacons for General Use

Applications for vehicles and road safety

**S80NS**
Ø80mm LED strobe signal light featuring superior visibility with special direct light distribution system

**Product Specifications**
- Dimensions: Ø83mm
- Height: 111mm
- Materials:
  - Lens: PC
  - Body: ABS+GF
- Operating Voltage: DC12V~24V
- Protection Rating: IP66

**S80SM**
Powerful strobe light for emergency road safety – easy attachment and removal through use of a magnetic base mount

**Product Specifications**
- Dimensions: Ø83mm
- Height: 127mm
- Materials:
  - Lens: AS
  - Body: ABS
- Operating Voltages:
  - DC12V, 24V, AC110V, 220V
- Protection Rating: IP64

**S80LS**
LED strobe signal light specifically designed for forklifts applications, features great visibility with special light diffusion system

**Product Specifications**
- Dimensions: Ø83mm
- Height: 106mm
- Materials:
  - Lens: PC
  - Body: ABS
- Operating Voltage: DC12V~24V
- Protection Rating: IP65

**S80ALR**
Wall mount high intensity power LED warning light with an attractive cube-shaped globe

**Product Specifications**
- Dimensions: Ø83mm
- Height: 106mm
- Materials:
  - Lens: AS
  - Body: ABS
- Operating Voltages:
  - DC12V, 24V, AC110V, 220V
- Protection Rating: IP44
S60ADL
Lightweight and compact warning light with built-in buzzer, suitable for tight work environments

Product Specifications
- Dimensions
  - Lens ≒ Ø70mm
  - Body ≒ Ø75mm
  - Height ≒ 233mm
  - Volume - Max.100dB
- Materials
  - Lens : AS
  - Body : ABS
- Operating Voltages
  - DC12V, 24V, AC110V, 220V

QLV-1250/1150/885
Aerodynamic LED light bar suitable for high speed emergency vehicles

Product Specifications
- Dimensions
  - QLV1250 ≒ 1250×300mm
  - QLV1150 ≒ 1150×300mm
  - QLV885 ≒ 885×300mm
  - Height ≒ 129mm
  - Volume - Max.126dB
- Materials
  - Lens : PC
  - Board : Al
- Operating Voltage - DC12V
- Protection Rating - IP56

QMCL60/80/100/125
Multi-color LED steady signal lights with 7 color modes in one unit, milky translucent color when off, the subdued LED illuminates designated colors when on.

Product Specifications
- Dimensions
  - QMCL60 ≒ Ø69mm
  - QMCL80 ≒ Ø83mm
  - QMCL100 ≒ Ø97mm
  - QMCL125 ≒ Ø116mm
  - Height
    - QMCL60 ≒ 80mm
    - QMCL80 ≒ 85mm
    - QMCL100 ≒ 95mm
    - QMCL125 ≒ 110mm
- Materials
  - Lens : AS
  - Body : ABS
  - Buzzer - Max. 80dB
- Operating Voltages
  - DC12V, 24V
- Protection Rating - IP65

MFL60/80/100/125
Signal lights with multi-light functions of selectable steady/flashing, strobe, and simulated revolving mode in one unit, available in 4 different sizes

Product Specifications
- Dimensions
  - MFL60 ≒ Ø69mm
  - MFL80 ≒ Ø83mm
  - MFL100 ≒ Ø97mm
  - MFL125 ≒ Ø116mm
  - Height
    - MFL60 ≒ 100mm
    - MFL80 ≒ 120mm
    - MFL100 ≒ 136mm
    - MFL125 ≒ 155mm
- Materials
  - Lens : PC
  - Body : ABS
  - Buzzer - Max. 80dB
- Operating Voltages
  - DC12V-24V, AC110V-220V
- Protection Rating - IP65

SKM
Streamlined warning light suitable for emergency response vehicles

Product Specifications
- Dimensions
  - Lens ≒ Ø124mm
  - Depth ≒ 183mm
  - Height ≒ 138-142mm
- Materials
  - Lens : PC
  - Body : PC
- Operating Voltages - DC12V, 24V
- Protection Rating - IP64
- Power Line
  - IEC420.75sq X 2P 2m

SKTLM, SKTLBM
Cube-shaped LED signal light for emergency response vehicles with superior outdoor visibility and durability

Product Specifications
- Dimensions
  - Lens ≒ 105×105mm
  - Height ≒ 90mm
- Materials
  - Lens : PC
  - Housing : PC
  - Buzzer - Max. 105dB
- Operating Voltages
  - DC12V, 24V
- Protection Rating - IP66
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
</table>
| Q125LP | Standard size dome-shaped warning light, easy wall mount / pole mount application | - Dimensions: Ø125mm  
- Height: 171~313mm  
- Materials:  
  - Lens: PC  
  - Body: ABS  
  - Pole: Al  
- Operating Voltages: DC12V, 24V, AC110V, 220V  
- Protection Rating: IP65 |
| QWCD35, QWCD35SD, QWCD50, QWCD50SD | Qlight’s innovative patent holding LED light emitting horn enclosures with max. sound input of 123dB, features tight seal and superior dust and water protection of IP66 | - Dimensions:  
  - QWCD35: 136×179mm  
  - QWCD50: 168×222mm  
- Materials:  
  - Horn: PC  
  - Housing: ABS  
- Volume:  
  - QWCD35: Max. 115dB  
  - QWCD50: Max. 123dB  
- Operating Voltages: DC12-24V, AC110-220V  
- Protection Rating: IP66  
- Cable Entry: Ø21 |
| S100D | Ø100mm warning light and electric horn combination with both audible and visual signaling capability in one unit | - Dimensions: Ø101mm  
- Body: Ø119mm  
- Height: 226mm  
- Sound volume: Max. 105dB  
- Materials:  
  - Lens: AS  
  - Body: ABS  
- Operating Voltages: DC12V, 24V, AC110V, 220V  
- Protection Rating: IP54 |
| S100D | Ø125mm compact signal light and electric horn combination with a variety of selectable sound patterns | - Dimensions: Ø125mm  
- Height: 215mm  
- Sound volume: Max. 105dB  
- Materials:  
  - Lens: AS  
  - Body: ABS  
- Operating Voltages: DC12V, 24V, AC110V, 220V  
- Protection Rating: IP54 |
| STDL | Ø80mm tower light and horn combination with excellent luminance and high-volume sound | - Dimensions: Ø80mm  
- Body: Ø119mm  
- Height: 233~513mm  
- Sound volume: Max. 105dB  
- Materials:  
  - Lens: AS  
  - Body: ABS  
- Operating Voltages: DC12V, 24V, AC110V, 220V  
- Protection Rating: IP54 |
| QWTD | Wall mount LED tower light and electric horn combination that minimizes the chance of breakage from moving obstacles and personnel | - Dimensions:  
  - QWCD35: 136×179mm  
  - QWCD50: 168×222mm  
- Materials:  
  - Horn: PC  
  - Housing: ABS  
- Volume:  
  - QWCD35: Max. 115dB  
  - QWCD50: Max. 123dB  
- Operating Voltages: DC12-24V, AC110-220V  
- Protection Rating: IP66  
- Cable Entry: Ø21 |

**Product Specifications**
- **Dimensions**  
  - Lens: Ø125mm  
  - Body: Ø119mm  
  - Height: 215mm  
- **Materials**  
  - Lens: AS  
  - Body: ABS  
- **Operating Voltages**  
  - DC12V, 24V, AC110V, 220V  
- **Protection Rating**: IP54
### QAD80H, QAD80BZ
Ø80mm dome-shaped signal LED light and smart electric horn (QAD80H) / high-volume buzzer (QAD80BZ) combinations

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### STNDL
LED tower light and smart electric horn combination, provide 30 variety of pre-recorded sounds and SD card supported sounds

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LED Light Bars/ Work Lights

Applications for CNC machine, panel board and general industrial purposes

QWSL-150-K, QWSL-250-K
LED work light for general use – improves work efficiency

Product Specifications
- Length: ≒ 150~250mm
- Luminance: 570~920Lux
- Materials:
  - Lens: Tempered Glass
  - Body: Die Cast Al
- Operating Voltage: DC24V
- Protection Rating: IP67

QWHL-150-K, QWHL-250-K
High intensity LED work light – improves work accuracy and management efficiency

Product Specifications
- Length: ≒ 150~250mm
- Luminance: 3,200~5,200Lux
- Materials:
  - Lens: Tempered Glass
  - Body: Die Cast Al
- Operating Voltage: DC24V
- Protection Rating: IP67

QML-150-K, QML-250-K
Waterproof high intensity LED work light, resistant to oil, dust, and particles

Product Specifications
- Length: ≒ 155mm~255mm
- Luminance: 620~890Lux
- Materials:
  - Body: Die Cast Al
  - Diffuser Plate: PC
  - Lens: Chemical Tempered Glass
- Operating Voltages: DC24V, AC110V, 220V
- Protection Ratings: IP67 / IP69K

QMHL-150-MF, QMHL-250-MF
Waterproof high intensity LED work light with bracket attached - resistant to oil, dust, and particles

Product Specifications
- Length: ≒ 155mm~255mm
- Luminance: 1,000~1,900Lux
- Materials:
  - Body: Die Cast Al
  - Diffuser Plate: PC
  - Lens: Chemical Tempered Glass
- Operating Voltages: DC24V, AC110V, 220V
- Protection Ratings: IP67 / IP69K
**QMFL-200/300/400/500/600**  
LED work light bars with translucent lens - high pressure and water resistant, suitable for factory machinery

**Product Specifications**
- Length: ≈ 200~1,150mm
- Luminance: 120~1,200 Lux at 1m
- Materials:
  - Lens: PC
  - Cover: Al
  - Heat Sink: Al
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Rating: IP67

**QMFLH-200/300/400/500/600**  
High intensity LED work light bars with transparent lens, water and high pressure resistant

**Product Specifications**
- Length: ≈ 200~1,557mm
- Luminance: 460~2,300 Lux at 1m
- Materials:
  - Body: AL
  - Cover: Die Cast Al
  - Heat Sink: Al
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Ratings: IP67 / IP69K

**QFL-200/300/400/500/600/1200**  
LED work light bars - provides enhanced luminance and high intensity light with low maintenance cost

**Product Specifications**
- Length: ≈ 200~1,150mm
- Luminance: 200~650 Lux at 1m
- Materials:
  - Body: AL
  - Cover: Die Cast Al
  - Inner Lens: PC
  - Lens: Chemical Tempered Glass
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Ratings: IP67

**QFLH-200/300/400/500/600/1200**  
High intensity LED work light bars with clear lens, water resistant and high pressure resistant

**Product Specifications**
- Length: ≈ 257~1,557mm
- Luminance: 460~2,300 Lux at 1m
- Materials:
  - Body: AL
  - Cover: Die Cast Al
  - Inner Lens: PC
  - Lens: Chemical Tempered Glass
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Ratings: IP67 / IP69K

**QPL-200/300/400/500/600, QPHL-200/300/400/500**  
High-end waterproof LED light bars - provides stable illumination intensity with low energy consumption

**Product Specifications**
- Length: ≈ 200~500mm
- QPL Luminance: 50~215 Lux at 1m
- QPHL Luminance: 124~308 Lux at 1m
- Materials:
  - Lens: PC
  - Cover: ABS
  - HeatSink: AL
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Class: IP65

**QPLH-200/300/400/500, QPHLH-200/300/400/500**  
High intensity LED work light bars with clear lens, water resistant and high pressure resistant

**Product Specifications**
- Length: ≈ 200~500mm
- QPHL Luminance: 70~300 Lux at 1m
- Materials:
  - Body: AL
  - Cover: ABS
  - Lens: PC
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Rating: Non-Waterproof

**QGL-200/300/400/500**  
LED light bars for general indoor use - color temperature provides a natural contrast most like sunlight

**Product Specifications**
- Length: ≈ 200~500mm
- QGL Luminance: 70~300 Lux at 1m
- Materials:
  - Body: Al
  - Cover: Abs
  - Lens: PC
- Operating Voltages:
  - DC24V, AC110V, 220V
- Protection Rating: IP67
FOR YOUR SAFETY
Specifcation and dimensions listed in this catalogue are subject to change without prior notice for product quality improvement. The newest product information confirms from the web site (www.qlight.com)
Please read the Instruction Manual attached to the product carefully before installing and using.