

# AVIATION LIGHTING



HELIPAD PERIMETER OR AIRFIELD SIDE



INSET LIGHTS HELIPAD AND AIRFIELD



HELIPAD ID BEACON WITH MORSE H



MARINE BEACON



AIRFIELD SOLAR SIDE LIGHTS

PORTABLE HELIPAD LANDING KIT

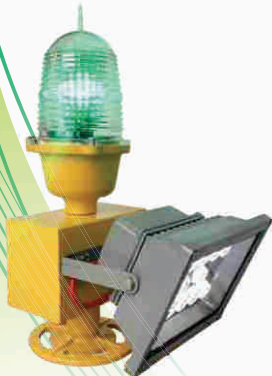


HELIDECK

EXPLOSION PROOF



OBSTRUCTION



PERIMETER EDGE FLOOD LIGHT



OBSTRUCTION LIGHTS SINGLE AND DOUBLE VARIOUS VOLTAGES AND SOLAR



# AUDIBLE & VISUAL



SKTL



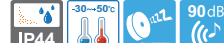
LED Strobe Signal Light and Electric Horn Combinations



QWCD35



QWCD50



S180...



QT50L/ QT50ML QT70L/ QT70ML



LED Modular Tower Lights



Steel Housing Electric Horn/Heavy Industrial

105dB SN Range



SANA400

Airhorns for Vessels and Heavy Industrial Applications



SM400 Motorised Siren



SANA200



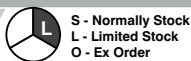
Multiple Colour LED Steady/ Flashing Signal Lights



44

SMCL

**KIB138 PIEZO BUZZER**



S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Material of Case: ABS
- Ambient operating temperature: -20°C to +60°C



Model	Output	Tones	Voltage	Current	Protection
MBS-05	85dB	Single Tone	DC5V	0.03A	N/A

**KIB18 MAGNETIC BUZZER**



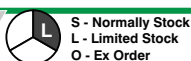
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Lead



Model	Output	Tones	Voltage	Current	Protection
1S306L	85dB	Single Tone	DC6V	0.035A	N/A

**KIB28 MAGNETIC BUZZER**



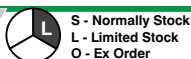
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Pin or Lead



Model	Output	Tones	Voltage	Current	Protection
2S312OP (Pin) 2S312OL (Lead)	95dB	Single Tone	DC12V	0.040A	N/A

**KIB38 LOW COST PIEZO BUZZER**



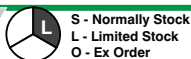
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Ivory
- Materials : Stainless Steel Piezo Element, Housing- Fire Retardant ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Pin or Lead



Model	Output	Tones	Voltage	Current	Protection
3S312LE	105dB	Single Tone	DC12V	0.030A	N/A
3S312P	105dB	Single Tone	DC12V	0.030A	
3S312L	105dB	Single Tone	DC12V	0.030A	
3S324L	100dB	Single Tone	DC24V	0.020A	
3P312L	100dB	Pulse Tone	DC12V	0.020A	

**KIB78 SHRIKE PIEZO BUZZER**



S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Cutout: Ø19mm
- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Lead



Model	Output	Tones	Voltage	Current	Protection
7S3120L	95dB	Single Tone	DC12V	0.015A	N/A
7P3120L	90dB	Single Tone	DC12V	0.010A	
7D3240L	90dB/95dB	Single/Pulse Tone	DC24V	0.020A	

**KIB98 MAGNETIC BUZZER**



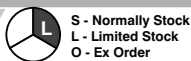
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Pin or Lead



Model	Output	Tones	Voltage	Current	Protection
9S324L	85dB	Single Tone	DC24V	0.008A	N/A
92312P	85dB	Single Tone	DC12V	0.008A	
13S412P	85dB	Single Tone	DC12V	0.030A	

**KIB98 MAGNETIC BUZZER**



**COMMERCIAL AND FIRE**

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Pin Type: EX Indent
- Terminal: Lead



Model	Output	Tones	Voltage	Current	Protection
9S324L	85dB	Single Tone	DC24V	0.008A	N/A
9S312P			DC12V	0.008A	
13S412P			DC12V	0.030A	

**KIB278 PIEZO BUZZER**

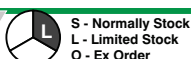


- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Lead



Model	Output	Tones	Voltage	Current	Protection
27PN3120	105dB	Pulse Tone	DC12V	0.045A	N/A

**FM-12HB-907 PIEZO BUZZER**

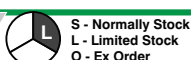


- Cutout: Ø31mm
- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Screw for Lug



Model	Output	Tones	Voltage	Current	Protection
FM-12HB-907	90dB	Single Tone Pulse Tone	DC12V	0.010A	N/A

**BLACKBIRD PIEZO BUZZER**



- Cutout: Ø30mm
- Colour: Black
- Robust construction AQ Military Standard
- Panel Mounted Piezo Buzzer
- Japanese Stainless Steel Piezo Element
- Medium to Loud sound output ideal for control Room Alarms
- Material of case: Nylon
- Terminals: Industrial screw for lug or remove screw to fit 6.3mm fast-on



BPM-12D to BPM-48B



BPM-110A & BPM-220A

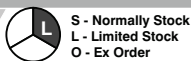
Model	Output	Tones	Voltage	Current	Protection
BPM-12D	100dB	Single Tone	DC12V	0.030A	N / A
BPMS-12B	80dB	Single Tone	AC/DC12V	0.030A	
BPM-24D	80dB	Pulse Tone	DC24V	0.022A	
BPM-24B	80dB	Pulse Tone	AC/DC24V	0.022A	
BPMS-24D	80dB	Single Tone	DC24V	0.022A	
BPM-32B	80dB	Pulse Tone	AC/DC32V	0.022A	
BPMS-32B	80dB	Single Tone	AC/DC32V	0.022A	
BPM-48B	80dB	Pulse Tone	AC/DC48V	0.022A	
BPM-110A	80dB	Pulse Tone	AC/DC110V	0.010A	
BPM-220A	80dB	Pulse Tone	AC/DC220V	0.010A	
BPMS-220A	80dB	Single Tone	AC/DC220V	0.010A	



BPM-125D Panel Mount

Model	Output	Tones	Voltage	Current	Protection
BPM-125D Panel Mount	80dB	Pulse Tone	DC125V		N/A

**KIB MBS MAGNETIC BUZZER**



S - Normally Stock  
L - Limited Stock  
O - Ex Order

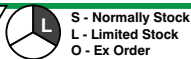
**COMMERCIAL AND FIRE**

- Colour: Black
- Material of Case: ABS or Nylon SEI-GFN2
- Ambient operating temperature: -20°C to +60°C



Model	Output	Tones	Voltage	Current	Protection
MBS-05 MBS-12	85dB	Single Tone	DC5V DC12V	0.03A 0.03A	N/A

**KIB168 PIEZO TRANSDUCER**



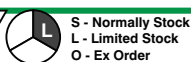
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Material of Case: Nylon
- Ambient operating temperature: -20°C to +60°C



Model	Output	Tones	Voltage	Current	Protection
16PZ320	95dB	Single Tone	DC9V	0.015A	N/A

**KIB208 MAGNETIC BUZZER**



S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Material of Case: ABS
- Ambient operating temperature: -20°C to +60°C



Model	Output	Tones	Voltage	Current	Protection
20S1091 20S1120	75dB	Single Tone Single Tone	DC9V DC12V	0.015A	N/A

**MIGHTY MIDGET**



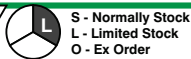
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Colour: Black
- Material of Case: ABS
- Ambient operating temperature: -20°C +60°C
- Terminal: UL WIRE #1007 24AWG
- Connection: Grey (+) & BLACK (-)



Model	Output	Tones	Voltage	Current	Protection
30S312L 30T312L	100dB	Single Tone Two Tone	DC12V	0.15A	N/A

**SD60ADH**



S - Normally Stock  
L - Limited Stock  
O - Ex Order

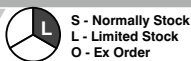


- Elegant wall mounted buzzer horn
- Horn resonance structure gives the product low power consumption and high sound tone
- Cone sound diffusion structure provides wide & excellent signal sound • transmission effect
- Sound volume : Max. 100dB @ 1 meter
- Ambient operating temperature : -25°C to +50°C
- Protection rating : Ip54
- Certificates : CE Compliant



Model	Output	Tones	Voltage	Current	Protection
S60ADH	100dB	1 Buzzer Tone	DC12V DC24V AC110V AC220V	0.083A 0.042A 0.016A 0.008A	IP54

**HAWK - HPM....**



**INDUSTRIAL**



- Cutout: ø26mm
- Colour: Red
- Volume control
- High sound output, 101dB @ 1 meter
- Continuous & pulsed modes.
- Protection rating: IP 65
- Panel mounted.
- Low current consumption (8mA on 12V DC & 18mA on 24V DC).
- Weather protection (achieved by complete encapsulation of the electronic circuit)

Model	Output	Tones	Voltage	Current	Protection
HPM	92dB	32	DC12V DC24V	0.008A 0.018A	IP65



**EAGLE - EBM....**



Very loud & continuously rated. It is far superior to the wind-up mechanical version in that it cant jam up with dust or burn out. The EAGLE has 32 different tones, switch selectable, and multiple units can be synchronised to WOOP together.

- Materials : Housing-ABS
- Enhanced output on six key tones
- Compatible with standard RoLP
- Volume Control 10dB
- Automatic Synchronisation
- Second tone for two stage alarms
- Lock-able base
- Ambient operating temperature : -25°C to +70°C
- Monitoring: Reverse polarity
- Color : Red

Model	Output	Tones	Voltage	Current	Protection
EBM	107dB	32	DC12V DC24V AC240V	0.008A 0.018A 0.035A	IP54 Shallow Base IP65 Deep Base



Shallow Base



Deep Base



**POWERED BASE**

The Powered Deep Base incorporates a small 24Vdc supply that allows any of the compatible Fulleon sounders and Beacons to be operated from 110 or 230 Vac supplies.

- Wide input voltage range
- Suitable for external use
- Compatible with: RoLP, RoLP Solista, Flashni, Solex 3/10, Solista
- Ambient operating temperature : -25°C to +70°C
- Input Voltages: AC86V - AC264V @ 50-60Hz
- Output Voltage: DC24V
- Output Current: 0.1A
- Protection: IP65



**ASTOUNDER - ASTBM-24D**

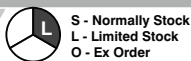


- High sound output 105dB @ 1 meter
- Low current consumption
- 16 user selectable tones
- Automatic synchronisation
- Volume control
- Ip43 (Ip65 with conduit base)
- Override tone & custom tones
- Shallow or Deep base options
- Colour: Red or White

Model	Output	Tones	Voltage	Current	Protection
ASTBM-24D	105dB	16	DC12V DC24V	0.013A 0.020A	IP43 IP65



**ASSERTA MINI** (105dB SOUNDER)

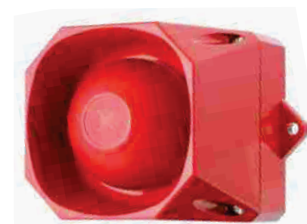


**INDUSTRIAL**



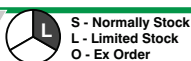
The most compact sounder in the Asserta Range, the Asserta Mini Sounder/Beacon (S/B) is a rugged unit with a high IP rating. Suitable for use in harsh environments, its low current consumption and optional integrated beacon adapt it well to either fire systems or use as a general signalling device in industrial applications. Where the Mini is used in secure applications there is an option to add a tamper switch so that any interference with the unit can signal an alarm to a security panel.

- 32 Tones
- Wide operating voltage
- IP66 protection
- Compact enclosure
- Ideal for all general signalling applications
- Adaptable to all types of installation
- Suitable for harsh environments
- Can be used even in cramped spaces
- Material: ABS
- Colours: Red / Grey
- Alarm stages: 2



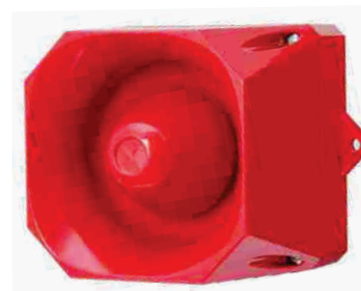
Model	Output	Tones	Voltage	Current	Protection
ASSERTA MINI	105dB	32	DC9V-60V AC110-230V	0.013A 0.020A	IP66

**ASSERTA MIDI** (108 - 112dB SOUNDER)



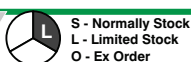
The Asserta Midi Sounder is a versatile, compact unit that has been designed for industrial environments or areas where there is a requirement for a robust alarm. Available for use in a wide range of fire and process systems.

- 112dB(A) output
- 32 Tones
- Robust design with Ip66 protection
- For Fire and general signalling use
- Large Range of Tone options
- Signal for different Alarm levels
- For demanding environments
- Material: ABS
- Colours: Red / Grey
- Alarm stages: 2



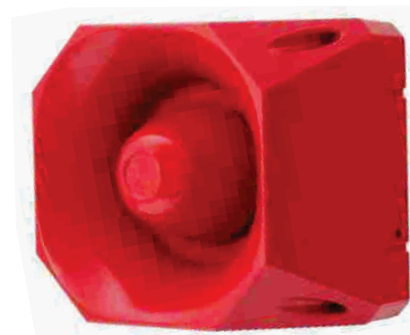
Model	Output	Tones	Voltage	Current	Protection
ASSERTA MIDI	108dB 112dB	32	DC9V-60V AC24V AC115-230V	0.024A 0.023A 0.012A	IP66

**ASSERTA MAXI** (120dB SOUNDER)



The Asserta Maxi sounder is designed to cope in harsh environments and gives protection for water ingress Ip66. Designed to ensure safer and easier installation, while providing flexibility with fewer product variants.

- Powerful 120dB(A) output
- 3 stage alarm and time out function
- 42 alarm tones
- Robust design with IP66 protection
- Maximum sound output for high noise environments
- 3 levels of alarm for differing warning states
- Large range of tone options
- For demanding environments in non-hazardous areas
- Material: ABS
- Colours: Red / Grey
- Alarm stages: 3



Model	Output	Tones	Voltage	Current	Protection
ASSERTA MAXI	110dB 120dB	42	DC18V-28V AC115V-230V	0.105A@DC24V 0.45A@DC24V 0.04A@AC230V 0.065A@AC230V	IP66

**QWH35** (115dB SOUNDER)

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**INDUSTRIAL**

**QWH50** (123dB SOUNDER)



Wall mount electric horn that offers 31 pre-recorded warning sounds and 31 user selected sound messages

- Bit input offers 5 channels with 6 sound outputs
- Binary input offers 30 sound outputs and SD card (MP3) combination
- Options to select between 31 special warning sounds included in the pre-recorded sound type and SDcard (MP3) type
- Volume adjustment and sound selection switches located inside the unit.
- SDcard type allows the user to input the proper voice messages for specific operating conditions.
- The SDcard type 31 Special alarms built in which includes the voice alert from the SDcard (Mp3). 31 special warning sounds are built both in pre-recorded sound type and SDcard type
- Offers both Binary and Bit input mode options (only the SDcard type has the bit input)
- Materials : Horn-PC, Housing-ABS
- Ambient operating temperature : -30°C to +50°C
- Certificates : CE Compliant
- Compliant with RoHS directive



QWH35 series

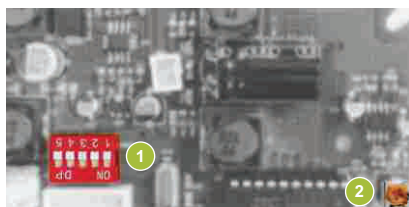


QWH50 series

Model	Output	Tones	Voltage	Current	Protection
QWH35	Special Warning 115dB	31(pre-recorded) 31(user-selectable)	DC12V-24V AC110V-220V	Max 0.800A Max 0.290A	IP66
QWH35SD	Mp3 Sound 113dB				
QWH50	Special Warning 123dB				
QWH50SD	Mp3 Sound 118dB	DC12V DC24V AC110-220V	1.800A 1.000A Max 0.600A		



### Pre-recorded sound type



- 1 Switch for channel selection
- 2 Switch for volume adjustment

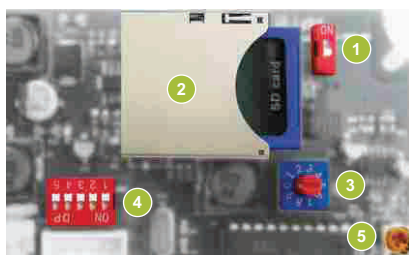
### The input method of built-in sound type

	1	2	3	4	5
ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No.	1	2	3	4	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	0
:	:	:	:	:	:
31	1	1	1	1	1

Select from 31 pre-recorded output sound options by using a combination of the 5 channel input switches.

The binary input method allows you to express each of the 31 alarm sound signals with a "0" or "1" by switching the 5 channels on and off as shown in the table.

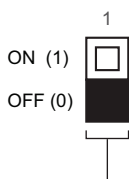
### SDcard (MP3) type



- 1 Switch for sound pattern selection
- 2 SDcard slot for MP3
- 3 Switch for play mode selection
- 4 Switch for channel selection
- 5 Switch for volume adjustment

### Sound selection instruction for SDcard type

You can select between pre-recorded sound mode and SDcard sound (MP3) mode with the SOUND selection switch.



Selection between pre-recorded sound mode and SDcard sound mode  
0 : pre-recorded sound mode  
1 : SDcard sound mode

- 31 built-in alarm sounds and special sound
- Supports SDcards for external sound (MP3)
- Binary Input : 31Ch
- Bit Input : 5Ch(SDcard only)
- A versatile product that can play MP3 files via the SD card
- Channel 1 is set as the factory default

SRN...

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**INDUSTRIAL**



- Cost effective model with high signal sound
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- User defined voice signal type(WV) shall be provided upon request
- Can adjust sound volume with the switch built inside the unit
- Materials : Housing-ABS(Standard Color : Red)
- Ambient operating temperature : -25°C to +50°C
- Certificates : CE Compliant



Model	Output	Tones	Voltage	Current	Protection
SRN	108dB	5 Warning Sounds	DC12V	0.322A	IP55
	108dB	5 Melodies	DC24V	0.233A	
	105dB	5 Alarms	AC110V	0.073A	
	98dB	5 Customisable Sounds	AC220V	0.036A	

SEN15...

S - Normally Stock  
L - Limited Stock  
O - Ex Order

SEN25...



- General Electric Horn
- Cost effective model with high signal sound
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- User defined voice signal type(WV) shall be provided upon request
- Can adjust sound volume with the switch built inside the unit
- Materials : Housing-ABS
- Color : Red
- Ambient operating temperature : -25°C to +50°C
- Protection rating : Ip55
- Certificates : CE Compliant



Model	Output	Tones	Voltage	Current	Protection
SEN15	108dB	5 Warning Sounds	DC12V	0.366A	IP55
	108dB	5 Melodies	DC24V	0.266A	
	105dB	5 Alarms	AC110V	0.077A	
	98dB	5 Customisable Sounds	AC220V	0.038A	
Model	Output	Tones	Voltage	Current	Protection
SEN25	115dB	5 Warning Sounds	DC12V	2.211A	IP55
	115dB	5 Melodies	DC24V	1.022A	
	113dB	5 Alarms	AC110V	0.226A	
	108dB	5 Customisable Sounds	AC220V	0.113A	

SEHN25... (HEAVY DUTY)

S - Normally Stock  
L - Limited Stock  
O - Ex Order

**HEAVY DUTY INDUSTRIAL**

SEHN50... (HEAVY DUTY)



- Electric Horn Vessel for heavy Industria applications
- Steel housing provides excellent vibration and shock resistance under seismic conditions
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Can adjust sound volume with the switch built inside the unit
- Materials : Housing-Steel, Horn housing -Steel
- Housing standard color : Red
- Ambient operating temperature : -25°C to +50°C
- Suitable for outdoor installation
- Certificates : KIMM Compliant



Model	Output	Tones	Voltage	Current	Protection
SEHN25	115dB	5 Warning Sounds	DC12V	2.211A	IP55
	115dB	5 Melodies	DC24V	1.022A	
	113dB	5 Alarms	AC110V	0.226A	
	108dB	5 Customisable Sounds	AC220V	0.113A	
Model	Output	Tones	Voltage	Current	Protection
SEHN50	120dB	5 Warning Sounds	DC12V	2.440A	IP55
	120dB	5 Melodies	DC24V	1.186A	
	118dB	5 Alarms	AC110V	0.244A	
	115dB	5 Customisable Sounds	AC220V	0.122A	

**SEWN30E...** (WALL MOUNT)

S - Normally Stock  
L - Limited Stock  
O - Ex Order

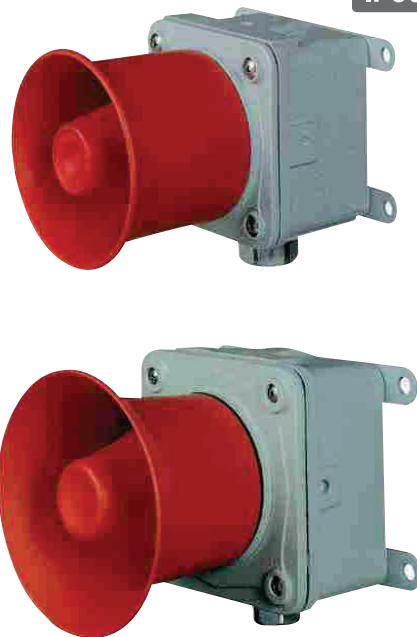


**HEAVY DUTY INDUSTRIAL**

**SEWN50E...** (WALL MOUNT)



- Electric horn with tightly sealed structure has excellent durability.
- Suitable for vessels, steel industry, and outdoor plant applications
- Aluminum housing provides excellent durability
- A variety of sound selection between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Can adjust sound volume with the dial built inside the unit
- Terminals located inside the terminal box or product
- Cable entry : 1/2"PF
- Materials : Housing-AI, Horn housing-PC/ STS316L
- Standard Housing color : MUNSSELL No. 7.5BG 7/2
- Ambient operating temperature : -30°C to +50°C
- Suitable for outdoor installation
- Certificates : KIMM, ABS, CCS, CE Compliant



Model	Output	Tones	Voltage	Current	Protection
SEWN30E	118dB	5 Warning Sounds 5 Special Warning Sounds 5 Melodies 5 Alarms 5 Customisable Sounds	DC12V	2.211A	IP56
	118dB		DC24V	1.022A	
	118dB		AC110V	0.226A	
	116dB		AC110V	0.113A	
	113dB		AC220V	0.113A	
Model	Output	Tones	Voltage	Current	Protection
SEWN50E	120dB	5 Warning Sounds 5 Special Warning Sounds 5 Melodies 5 Alarms 5 Customisable Sounds	DC12V	2.440A	IP56
	120dB		DC24V	1.186A	
	120dB		AC110V	0.244A	
	118dB		AC110V	0.122A	
	115dB		AC220V	0.122A	

**DB3** (EXPLOSION PROOF)

S - Normally Stock  
L - Limited Stock  
O - Ex Order



A lightweight flameproof sounder, the DB3 is constructed from corrosion resistant GRP and has been designed with a high level of ingress protection to cope with the harsh conditions typically found in offshore and exposed onshore environments.

- Exde, Zone 1 and Zone 2 use
- High output up to 118dB(A)
- 27 alarm tones
- IP66/67 protection
- Suitable for explosion protected applications
- Suitable for use in very high ambient noise levels
- User can select a distinctive tone to suit the operating environment
- Internal or exposed external use
- Material: UV stabilised GRP
- Colour: Red



Model	Output	Tones	Voltage	Current	Protection
DB3	118dB	27	DC12V	0.76A	Ip67
			DC24V	0.38A	
			DV48V	0.19A	
			AC230V	0.065A	
			AC230V	0.065A	

**NON-STOCK / EX-INDENT**

**HEAVY DUTY INDUSTRIAL**

**A140**

- 140dB
- 32 Tones
- IP55
- Colour: Grey



**MA112/MA121**

- 112dB - 121dB
- 32 - 45 Tones
- IP67
- Colour: Grey
- Marine Area



**BExS110D / BExS120D**

- 110dB-117dB
- 32 Tones
- IP67
- Colour: Grey
- Marine Area



**BExS110E / BExS120E**

- 110dB - 117dB
- 32 Tones
- IP66
- Colour: Grey
- Marine Area





**SM30** (Ø80 MOTOR SIREN 110dB)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

**SM40** (Ø100 MOTOR SIREN 116dB)

- Ø80 / Ø100mm compact structure with 110dB / 116dB sound output
- Motor RPM SM30 10,000RPM / SM40 7,000RPM
- Housing standard color SM30 Red / SM40 GREY
- Materials SM30 Steel / SM40 ABS
- Insulation resistance : 100MΩ(at 500 VDC)
- Power consumption : 40W
- Ambient operation temperature : -25°C to +50°C
- Protection rating : IP44

Model	Output	Tones	Voltage	Current	Protection
SM30	110dB	MOTOR SIREN	DC12V DC24V AC110V AC220V	3.222A 1.779A 1.333A 1.000A	IP44
Model	Output	Tones	Voltage	Current	Protection
SM40	116dB	MOTOR SIREN	DC12V DC24V AC110V AC220V	6.778A 3.666A 1.000A 0.722A	IP44



SM30



SM40



**SM200** (120DB HEAVY DUTY MOTOR SIREN)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

**SM400** (123DB HEAVY DUTY MOTOR SIREN)

- Excellent durability and high volume are suitable for noisy environment
- Motor RPM SM200 7,200RPM / SM400 7,600RPM
- Housing standard color : Red
- Materials SM200 Steel/Al / SM400 Steel/ABS
- Insulation resistance : 100MΩ(at 500 VDC)
- Ambient operation temperature : -25°C to +50°C
- Protection rating : IP44
- Certificates : CE Compliant

Model	Output	Tones	Voltage	Current	Protection
SM200	120dB	MOTOR SIREN	DC24V AC110V AC220V	7.820A 2.105A 1.005A	IP44
Model	Output	Tones	Voltage	Current	Protection
SM400	123dB	MOTOR SIREN	DC24V AC110V AC220V	12.000A 6.300A 3.800A	IP44



SM200




SM400




**SANA200** (200-300Hz AIRHORN)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

**SANA400** (400-600Hz AIRHORN)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

**SANA700** (700-800Hz AIRHORN)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

- High volume horn uses compressed air to power the high pitched sound made with the diaphragm
- Uses a special material which consumes a small quantity of compressed air and has long durability
- Suitable for applications like a large and noisy engine rooms, a phone alarm in a pump room, or as an emergency alarm
- Sound volume : Max. 130dB at 1 meter
- Housing standard color : Red, Black, 7.5BG-MUNSELL No.7.5BG 7/2
- Materials : Horn-PC, Solenoid valve box-ABS
- Air pressure : 5-7kg/cm<sup>2</sup>
- Ambient operation temperature : -20°C to +60°C
- Certificates : KIMM Compliant

Model	Output	Tones	Voltage	Current	Protection
SANA200 SANA400 SANA700	130dB	AIR HORN	DC24V AC110V AC220V	0.488A 0.111A 0.055A	IP56



SANA400



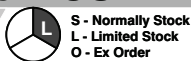
SANA700



SANA200



**Flashni 12V / 24V**



**COMBO UNITS**



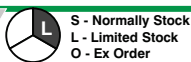
The Flashni is an audible and visual device which requires one single installation point. This greatly reduces installation and costs and is much less obtrusive than two separate devices. Versions are available with the sounder and beacon linked, or with separate terminals for independent operation.

- Low current – LED technology
- Single installation point
- Two stage alarm
- Reduced current consumption vs. Xenon alternative
- Beacon and high output sounder in one package
- Alert and Alarm function
- Light Output: > 0.5Cd
- Flash Rate: 1Hz
- Volume Control: 10dB
- Monitoring: Reverse polarity
- Temperature: - 10°C + 55°C
- Construction: ABS, PC lens
- Weight: 0.3Kg
- Colours: Red or white
- Flash Colour: Red



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
Flashni 12V	103dB	32	DC9-15V	0.11A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> <li>• Green</li> <li>• Clear</li> </ul>	IP54
Flashni 24V	101dB		DC18-28V	0.068A			IP65

**ROLP SOLISTA**



The RoLP Solista range of LED Sounder / Beacon combo units use a low current LED, making these devices extremely efficient. Ideal for notification purposes where sounder circuit capacity is limited. The RoLP Maxi Solista is an enhanced version RoLP Solista providing a higher sound output on six key alarm tones. This is an ideal Audible and Visual alarm for use where higher noise levels require the use of a more powerful sounder.

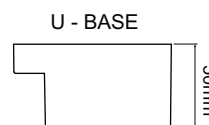
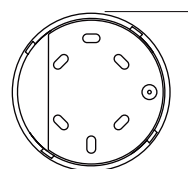
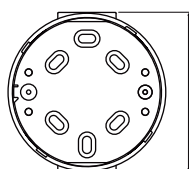
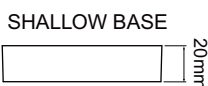
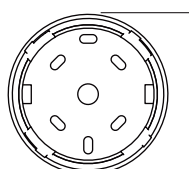
- Low current – LED technology
- Single installation point
- Two stage alarm
- Reduced current consumption vs. Xenon alternative
- Beacon and high output sounder in one package
- Alert and Alarm function
- Light Output: > 0.5Cd
- Flash Rate: 1Hz
- Volume Control: 10dB
- Monitoring: Reverse polarity
- Temperature: - 10°C + 55°C
- Construction: ABS, PC lens
- Weight: 0.3Kg
- Colours: Red or white
- Flash Colour: Red



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
RoLP Solista	101dB	32	DC9-28V	0.019A	LED	• Red	IP66
RoLP Maxi Solista	106dB		AC110-230V	0.043A			

**BASES**

- Locking Facility on all versions
- Protection up to IP65
- FR ABS material



**COMBO 1**

S - Normally Stock  
L - Limited Stock  
O - Ex Order

**COMBO UNITS**

**S80S Xenon Lamp Strobe Light**

- Ø80mm xenon lamp strobe signal lights
- High efficiency strobe light that offers excellent outdoor visibility and long-distance signal light luminance close to natural light
- Lamp connector fastening structure allows for convenient lamp replacement
- Flashing rate : 60-80 flashes/min
- Materials : Lens-AS, Housing-ABS,
- Ambient operating temperature : -30°C to +50°C
- Protection rating : IP54
- Certificates : CE Compliant

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80S	DC12V	0.433A	220V	BGA2120	47	CE	0.21kg	• R-Red
	DC24V	0.216A		-BBC			0.21kg	• A-Amber
	AC110V	0.076A	I type	-		0.21kg	• G-Green	
	AC220V	0.061A				0.21kg	• B-Blue	



IP54

IP65

**EAGLE-EBM Sounder**

Very loud & continuously rated. It is far superior to the wind-up mechanical version in that it cant jam up with dust or burn out. The EAGLE has 32 different tones, switch selectable, and multiple units can be synchronised to WOOP together.

- Materials : Housing-ABS
- Enhanced output on six key tones
- Compatible with standard RoLP
- Volume Control 10dB
- Automatic Synchronisation
- Second tone for two stage alarms
- Lock-able base
- Ambient operating temperature : -25°C to +70°C
- Monitoring: Reverse polarity
- Color : Red

Model	Output	Tones	Voltage	Current	Protection
EBM	107dB	32	DC12V DC24V AC240V	0.008A 0.018A 0.035A	IP65 Deep Base

**COMBO 2**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



IP65

The Audio-Visual Unit is a dual or triple base assembly which can be fitted with any combination of Fulleons bayonet base compatible products. Sounder, voice sounders Xenon or LED beacons can be combined to suit many applications from fire alarms to machine warnings.

- Sound output: 102dB(A) @ 1 meter
- Volume control: 0 to -20dB
- Supply: 9V-28Vdc
- Light output: >0.5Cd
- Flash rate: 60 per minute
- Environment: IP54 shallow base, IP65 deep base
- -10°C to +55°C
- Continuously rated
- Construction: ABS plastic body, polycarbonate lens
- Gland entry 20mm
- High efficiency
- Lock able base

Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
COMBO 2 Eagle Sounder	102dB	32	DC9-28V AC110-230V	0.016A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> <li>• Green</li> </ul>	IP65
Solex Beacon			DC10-60V AC110-230V				



**ASTROBE - SOUNDER STROBE COMBO**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**COMBO UNITS**



This weatherproof Sounder/Strobe (waterproof with optional conduit back box) is design optimized for use in fire alarm systems, but can be used in most applications requiring high sound output, "attention grabbing" double flash and economic current draw. A choice of 16 fully synchronized primary sounds can be selected together with 4 volume settings and 4 flash rates through dip-switch 1-8. An alternate continuous tone is available for selection on PCB terminals or by third wire remote control. Red is standard, however other colours can be done on special order.

- High sound output, 105dB @ 1 meter
- Low current consumption
- 16 user selectable tones
- 4 user selectable flash rate
- Volume control
- Custom and Override tones
- Shallow or Deep base options
- IP65 weather proof version



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASTROBE	105dB	16	DC18-30V	0.017A	LED	o Clear	IP65

**QWCD35 (LED STROBE SIGNAL LIGHT AND ELECTRIC HORN COMBO)**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**COMBO UNITS**

**QWCD50 (LED STROBE SIGNAL LIGHT AND ELECTRIC HORN COMBO)**

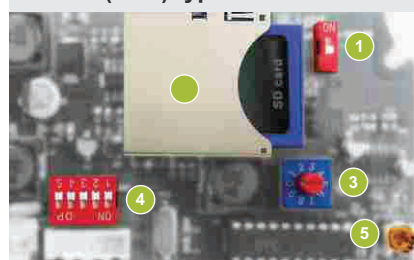


- By using the horn cover as a light globe, the size of the product has been reduced
- Easy device customization with built in sound selection function, volume adjustment function and an SDcard slot for user inputted tones
- 31 available tones that can be selected for a variety of environments
- The user can select their own tones by inputting the MP3 file directly into the SD card
- 31 pre-recorded tones available via binary input
- Suitable for use in environments that require a tight seal and superior dust protection
- Can be used in extreme environmental conditions such as the arctic where temperatures can reach -50°C
- Flashing rate : 60-80 flashes/min(steady/flashing mode selection available in built in switch)
- Materials : Horn-PC, Body-ABS
- Ambient operating temperature : -50°C to +60°C
- Protection Rating : IP66
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive



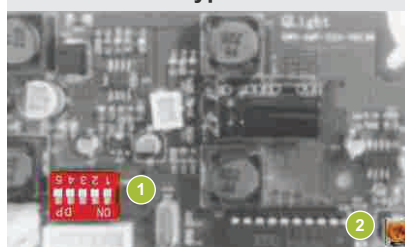
QWCD35 series

**SDcard(MP3) type**



- 1 Sound setting switch
- 2 MP3 playable SDcard
- 3 Play mode setting switch
- 4 Sound select switch
- 5 Volume

**Built-in sound type**



- 1 Sound selection switch
- 2 Volume



QWCD50 series

Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QWCD35 QWCD35SD	115dB 113dB	31 Built-in 30 MP3	DC12V-24V AC110V-220V	1.025A 0.360A	LED Strobe Type	• Red • Amber • Green • Blue	IP66
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QWCD50 QWCD50SD	123dB 118dB	31 Built-in 30 MP3	DC12V DC24V AC110V-220V	2.025A 1.150A 0.600A	LED Strobe Type	• Red • Amber • Green • Blue	IP66

QWCD series	
QWCD35	Built in standard sound
QWCD35SD	Mp3 (SD card)
QWCD50	Built -in standard sound Large output sound
QWCD50SD	SDcard(MP3) Large output sound

**ASSERTA MINI (SOUNDER BEACON)**



S - Normally Stock  
L - Limited Stock  
O - Ex Order



**COMBO UNITS**



The most compact sounder in the Asserta Range, the Asserta Mini Sounder/Beacon (S/B) is a rugged unit with a high IP rating. Suitable for use in harsh environments, its low current consumption and optional integrated beacon adapt it well to either fire systems or use as a general signalling device in industrial applications. Where the Mini is used in secure applications there is an option to add a tamper switch so that any interference with the unit can signal an alarm to a security panel.

- 32 tones (user selectable)
- Wide operating voltages
- Integrated beacon
- 4 lens colours
- Ideal for all general signalling applications
- Adaptable to all types of installations
- Easy installation
- Material: ABS PC case / Polycarb Lens
- Colour Option: Red or Grey



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASSERTA MINI	105dB	32	DC9-60V	see below	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>○ Clear</li> <li>• Blue</li> </ul>	IP66
Current Sounder & Beacon: 0.198A@DC24V 0.068A - 0.08A@AC230V							

**ASSERTA MIDI (SOUNDER BEACON)**



S - Normally Stock  
L - Limited Stock  
O - Ex Order



The Fulleon Asserta industrial warning sounder beacon is designed to cope with harsh environments requiring protection to IP66. Design features are incorporated to ensure safe and easy installation, while providing flexibility with fewer product variants.

- 24Vdc Operation, 110dB(A) or 120dB(A) output versions available
- Fully integrated asymmetric beacon uses light for efficiently
- Simple first & second fix installation
- 42 Alarm tones
- 3 Stage alarm sounder time out – user adjustable
- Optional swivel mount bracket
- Voice message option available
- Material: ABS PC case / Polycarb Lens
- Colour Option: Red or Grey



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASSERTA MIDI	112dB	32	DC9-60V AC115V	see below	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>○ Clear</li> <li>• Blue</li> </ul>	IP66
Current Sounder: 0.023A@DC24V    Current Beacon: 0.02A@DC24V 0.012A@AC230V                            0.03A@AC230V							

**ASSERTA MAXI (SOUNDER BEACON)**



S - Normally Stock  
L - Limited Stock  
O - Ex Order



The 120dB (A) Asserta Industrial warning sounder beacon is designed to cope with harsh environments requiring protection to IP66. Design features are incorporated to ensure safe and easy installation, while providing flexibility with fewer product variants.

- Powerful 120dB(A) output
- 3 stage alarm and time out function
- 42 alarm tones
- Asymmetric beacon
- Maximum sound output for high noise environments
- 3 levels of alarm for differing warning states
- Large range of tone options
- Efficient use of light reduces current while generating the same intensity as a 5j beacon



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASSERTA MAXI	110dB 120dB	42	DC18-30V AC230V	see below	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> </ul>	IP66
Current Sounder: 0.105A@DC24V    Current Beacon: 0.012A@DC24V - 0.45A@DC24V                            0.62A@DC24V 0.04A@AC230V                            (dependant on setting) 0.065A@AC230V                            0.015A@AC230V							

**QAD...**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**COMBO UNITS**



- Combination of warning light and horn allow for both visual and audible signal transmission at once
- Flashing rate : 60-80 flashes/min(Built-in Steady-Flash selection switch)
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones.
- Sound tone selector and volume controller in front of the device allows for convenient use
- Built-in 30 sound tones, Support Binary and Bit input modes
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play sounds
- Materials: Lens - PC, Housing - ABS
- Ambient operating temperature : -30°C to +50°C
- Certificates: CE, UL Compliant



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QAD80H Ø80	100dB	30 Built in Sounds	DC12-24V	0.640A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65
QAD80BZ Ø80	105dB	High Buzzer	DC12V DC24V	0.500A 0.270A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QAD100H Ø100	100dB 95dB	30 Built in Sounds 30 Mp3 Sounds	DC12V-24V AC110V-220V	1.055A 0.360A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65
QAD100BZ Ø100	105dB	High Buzzer	DC12V DC24V AC110V-220V	0.550A 0.300A 0.100A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QAD125H Ø125	115dB	30 Built in Sounds 30 Mp3 Sounds	DC12-24V AC110V-220V	1.055A 0.360A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65
QAD125BZ Ø125	105dB	High Buzzer	DC12V DC24V AC110V-220V	0.550A 0.300A 0.100A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65

**S60AD.**

S - Normally Stock  
L - Limited Stock  
O - Ex Order

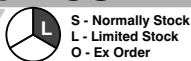


- LED, Xenon or Bulb options
- Ø60mm warning light with high volume built-in buzzer in a vertical configuration
- Cone-shaped horn helps diffuse sound to generate clear and distinctive sound signals
- Suitable for applications that require downward audible signals in elevated locations
- Buzzer sound volume (Max. 100dB at 1m)
- Employs a special filament to prevent damage caused by possible voltage variations
- Selectable between steady and flashing mode
- Flashing rate : 60-80 flashes/min
- Materials : Lens-AS, Body-ABS
- Ambient operating temperature : -30°C to +50°C
- Certificates : CE Compliant



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
S60ADL Ø60	100dB	High Buzzer	DC12V DC24V AC110V AC220V	1.008A 0.556A 0.127A 0.064A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP54
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
S60ADS Ø60	100dB	High Buzzer	DC12V DC24V AC110V AC220V	0.550A 0.266A 0.088A 0.044A	Xenon Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP54
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
S60ADB Ø60	100dB	High Buzzer	DC12V DC24V AC110V AC220V	1.008A 0.556A 0.127A 0.064A	Bulb 12V10W 24V10W 110V10W 220V10W	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP54

**SKTLM** (CUBE SHAPED LED WARNING LIGHT WITH MAGNETS)



**COMBO UNITS / VEHICLE**

**SKTLBM** (BUILT IN SIREN BUZZER)

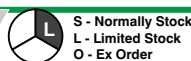


- High brightness LED with special light filter structure provides clear signal light transmission even in outdoor environments with intense sunlight
- Excellent vibration and impact resistance with use of polycarbonate lens
- Lens with special coating material maintains transparency even when exposed to harsh environments where scratches, dust and direct sunlight is possible
- Water resistant, dust-proof, and weather resistant structure provides excellent durability under harsh environments such as rainstorms, frost, and intense heat
- Different lights from side to side improve efficiency of emergency signal transmission effect
- 4 strong magnets enable secure attachment to the desired place (SKTLBM)
- Convenient emergency signal sound control with built-in ON/OFF switch
- Sound volume : Max. 105dB at 1m
- Easy control of warning sound with built-in ON/OFF switch
- Materials : Lens, Housing-PC
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip66



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
SKTLB Direct Mount	105dB	Siren Buzzer	DC12V DC24V	1.250A 0.705A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> <li>○ White</li> </ul>	IP66
SKTLBM Magnetic Base	105dB	Siren Buzzer	DC12V DC24V	1.250A 0.705A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Blue</li> </ul>	IP66

**SKTL** (Cubic LED Warning Light for vehicle)



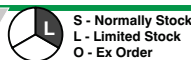
- High brightness LED with special light filter structure provides clear signal light transmission even in outdoor environments with intense sunlight
- Excellent vibration and impact resistance with use of polycarbonate lens
- Lens with special coating material maintains transparency even when exposed to harsh environments where scratches, dust and direct sunlight is possible
- Water resistant, dustproof, and weather resistant structure provides excellent durability under harsh environments such as rainstorms, frost, and intense heat
- Flashing rate : 60-80 flashes/min
- Materials : Lens, Housing-PC
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip66



Also available SKTLB with built in buzzer

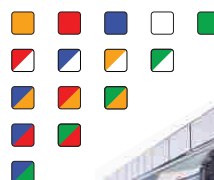
Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
SKTL	Cube-shaped LED Warning Light Direct Mount	DC12V DC24V	1.000A 0.555A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> <li>○ White</li> </ul>	IP66

**MIMIC** (LIGHT BAR)



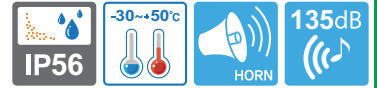
- Ambient operating temperature : -30°C to +70°C
- 9/18 LED per add-on module
- 12/24 LED per add-on module
- Protection rating : Ip67
- Features: 18 Warnings, 6 Rear Warnings, 3 Arrow and more based on spec
- Lights: Takedown / Alley

Available colours



Model	Output	Voltage	Current	Light Source	Lens Colours	Protection
QLV-1150-set		DC10-30V		LED Module	<ul style="list-style-type: none"> <li>• B-R</li> <li>• R-R</li> <li>• A-A</li> <li>• G-G</li> </ul>	IP67





- LED and Xenon lamp light sources are available to fit your sophisticated applications needs
- Can deliver accurate and powerful signals even in crowded situations with a number of emergency vehicles in the field.
- Designed in a structure which allows for quick disassembly and assembly for convenient light source replacement.
- Stainless steel, Aluminium and Polycarbonate (PC) materials are used to increase product strength while maintaining a lightweight structure.
- Waterproof and dust-proof structure allows for superior durability in harsh environments such as storms and extreme heat/cold.
- Specially coated globe that protects the product from scratches, dust and direct sunlight in order to maintain long lasting clarity.
- Suitable for emergency response vehicles, security vehicles, road maintenance vehicles and tow trucks.
- Standard color arrangements: Blue-Red Red-Red Amber-Amber Green-Green
- Standard color arrangements : ●Blue-Red ●Red-Red ●Amber-Amber ●Green-Green
- Customised color arrangement available
- Materials: Lens/ Housing-PC, Speaker cover-STC, Reflector-Heat Resistant ABS, Board-AL
- Protection rating: Ip56

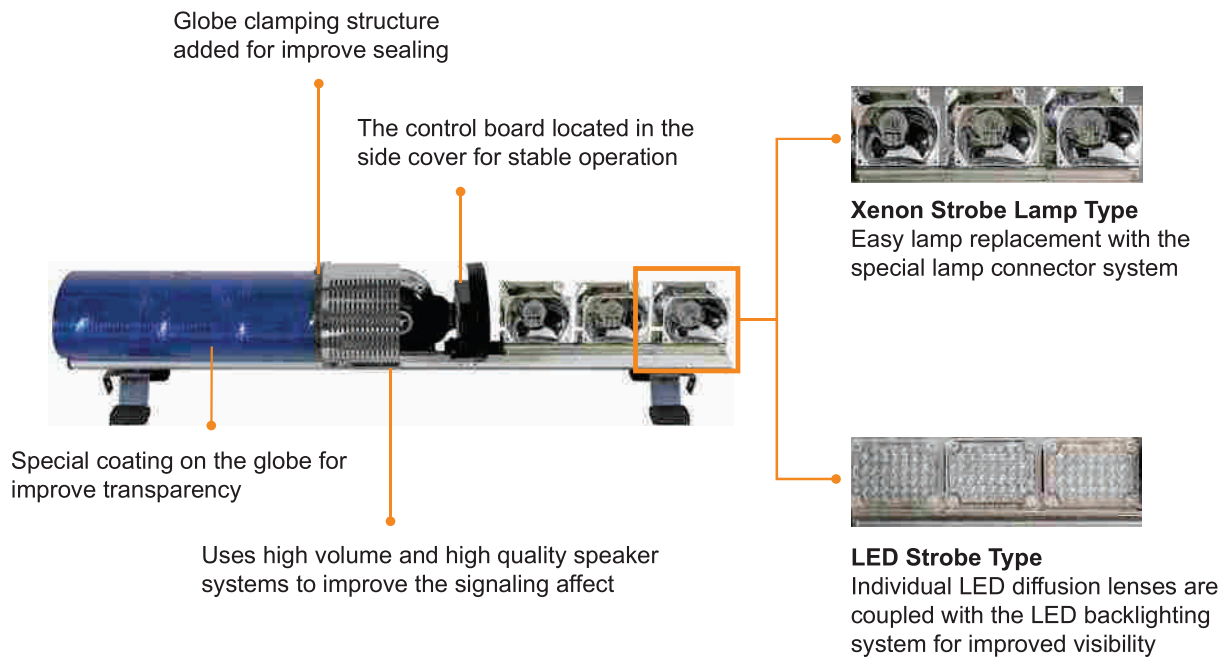


**ELVS**



**ELVL**

Model	Voltage	Current	Light Source	Lens Colours	Protection
ELVS	DC12V DC24V	4.950A 2.970A	Xenon Strobe	● B-R ● R-R	IP56
ELVL	DC12V DC24V	1.000A 0.555A	LED Strobe	● A-A ● G-G	

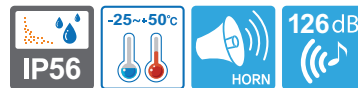


**ELM** (Warning Light Bars for Road Safety Max 126dB)

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**COMBO UNITS / VEHICLE**



- Adjustable size depending on the type of vehicle and application needs
- Can select from a xenon or LED light source for your various 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
- Built-in speaker, volume : Max 126dB at 1m
- Standard color arrangements : ●●Blue-Red ●●Red-Red ●●Amber-Amber ●●Green-Green
- Customized color arrangements available
- Materials : Lens/ Housing-PC, Reflector-Heat resistant ABS, Board-AI
- Protection rating : Ip56
- Modular design allows user defined color arrangement if necessary



**ELML (LED STROBE)**

**ELML LED Strobe Warning Light Bar**

- Adopts LED strobe system that emits flashing light for excellent visibility
- Enhanced outdoor visibility with use of independent LED diffusion lenses coupled with the LED backlighting system
- Flashing rate : 60-80 flashes/min



**ELMS (XENON LAMP)**

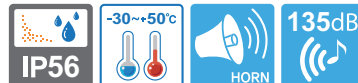
**ELMS Xenon Lamp Strobe Warning Light Bar**

- Xenon lamp equipped with dual-faced reflector that emits a powerful strobe light
- Special long-lasting light source with excellent vibration resistance and easy lamp replacement by using the special lamp connector system
- Flashing rate : 60-80 flashes/min



**QLV** (Warning Light Bars for Emergency Vehicle)

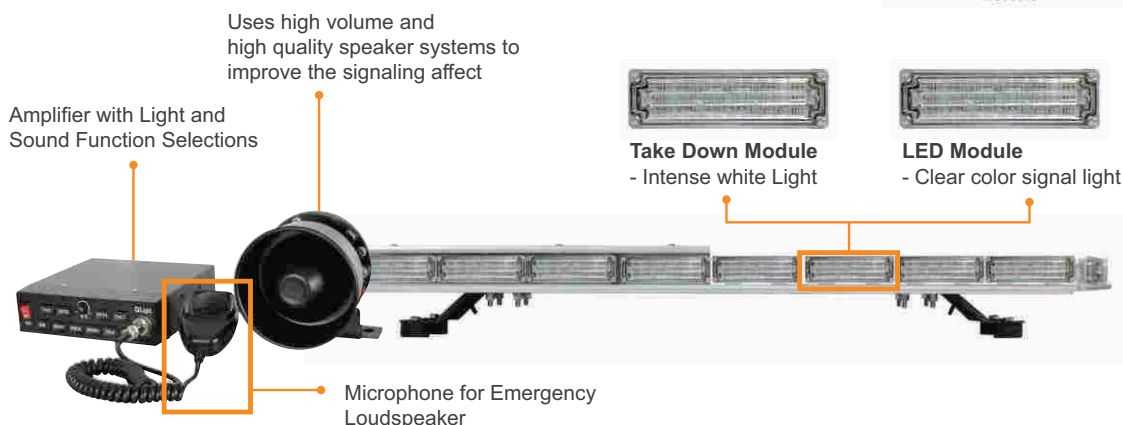
(Max 135dB) Exceptional build quality



- Compact and aerodynamic design minimizes air resistance in high speed vehicles
- 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
- Flashing rate : 60-80 flashes/min
- Protection rating : Ip56
- Ambient operating temperature : -30°C to +50°C
- 100W high volume speaker with clear warning sounds
- Available in customized color arrangements



Model	Output	Voltage	Current	Light Source	Lens Colours	Protection
QLV-885-set	135dB	DC12V	23A	LED Module	●● B-R	IP56
QLV-1150-set			26A		●● R-R	
QLV-1250-set			28A		●● A-A ●● G-G	



## PLROB....



S - Normally Stock  
L - Limited Stock  
O - Ex Order



## ENCAPSULATED WARNING LIGHTS



This range of encapsulated warning lights are constructed in a clear impact resistant poly-carbonate lens and is available in various brightnesses and colours. The printed circuit board holding the LED's and associated circuitry are encapsulated into the poly-carbonate lens with an epoxy resin. This makes the product moisture proof and highly reliable. These warning lights are available in the steady on state or with built in flashers. The termination for these units is available on the rear of the lens via two M3 brass screws, thus termination with ring lugs is ideal. The units can be supplied with a two entry back box or can be ordered separately.

Model number	Mode	Colour	Voltage
PLROBFD-U	Flashing	Std Diffused Red	DC24V;48V;110V or 500V DC220V special order only
PLROBFD-M		Super Diffused Red	
PLROBFC-M		Super Clear Red	
PLROBFEC-M		Extra Super Clear Red	
PLROBFC-G		Green	
PLROBFC-K		Super Clear Yellow	
PLROBFD-N		True Orange	
PLROB-D-U	Steady-On	Std Diffused Red	DC12V;24V;148V;110V or 220V
PLROB-D-M		Super Diffused Red	
PLROB-C-M		Super Clear Red	
PLROBE-C-M		Extra Super Clear Red	
PLROB-C-G		Green	
PLROB-C-T		True Green	
PLROB-C-K		Super Clear Yellow	
PLROB-C-B		Std Clear Blue	
PLROB-D-N		True Orange	



Standard LED Version



Surface Mount LED Version

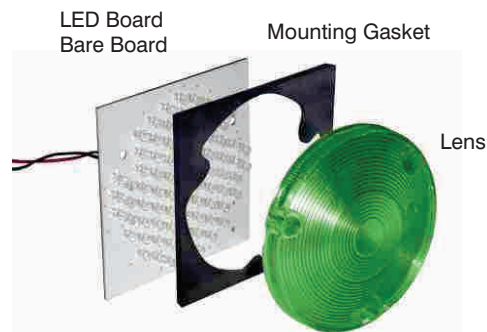
## LE110....



S - Normally Stock  
L - Limited Stock  
O - Ex Order

- Cutout: Ø106mm
- Used mainly on mines for robots, refuge bays...
- Polycarbonate lens is vandal proof & the 76 LED's give a large bright light.
- Approximate lifespan of 15 Years
- High bright version's available on special order with the ability to position the LED's at at
- 45° angle for applications where the units are mounted high above normal eye level.
- Bare board or Rear back Epoxy potted version available.
- Colours: Red, green, yellow, orange, blue or bi-colour (Red & Green).
- Voltages: 12, 24, 32, 110, 220VAC/DC

Model number	Version	Colour	Voltage
LE110D-U	Bare Board	Std Diffused Red	AC/DC 12V;24V;32V; 110V or 220V
LE110D-M		Super Diffused Red	
LE110D-G		Water Clear Green	
LE110D-Y		STD Diffused Yellow	
LE110D-K		Super Yellow	
LE110D-N		True Orange	
LE110D-D		Bi-Colour(Red & Green)	
LE110E-U	Epoxy Board	Std Diffused Red	AC/DC 12V;24V;32V; 110V or 220V
LE110E-M		Super Diffused Red	
LE110E-G		Water Clear Green	
LE110E-Y		STD Diffused Yellow	
LE110E-K		Super Yellow	
LE110E-N		True Orange	
LE110E-D		Bi-Colour (Red& Green)	



**L103..(3 LED CLUSTER)**

**L104..(4 LED CLUSTER)**



S - Normally Stock  
L - Limited Stock  
O - Ex Order



**ENCAPSULATED WARNING LIGHTS**



- 3 or 4 Head LED Cluster Light
- High intensity, high power LED's
- Simultaneously flash multiple patterns
- Available for synchronization connection
- Water resistant and dust proof
- Operating Temperature: -10° to 80°C
- Slave units use external flasher unit

- L106 BZL 6 Head Black bezel
- L108 BZL 8 Head Black bezel



L106 BZL



L103..



L104..

**PLROB LED ROBOT BOX**

**LE110 LED ROBOT BOX**



S - Normally Stock  
L - Limited Stock  
O - Ex Order



**ROBOT INDICATORS**



The enclosure dimensions may vary depending on what is available. Please contact us with your robot indication requirements. We are very flexible & have manufactured many different types of LED robot boxes.

- For Underground & Indoor use
- 1, 2 or 3 way options Single or Double Sided
- Using PLROB or LE110 Warning Lights
- With or without Midi Peaks
- Colours: Red, Green or Bi-colour.
- Voltages: 24V, 32V, 110V, 220V AC/DC



**LE110 LED ROBOT BOX**

Robot Box Options		
Dual or Single Aspect 	Dual or Single Aspect 	Dual or Single Aspect 
<ul style="list-style-type: none"> <li>• ROB-1L(1 Lense)</li> <li>• ROB-1L-DA (1 Lense Dual Aspect)</li> </ul>	<ul style="list-style-type: none"> <li>• ROB-2L(2 Lenses)</li> <li>• ROB-2L-DA (2 Lenses Dual Aspect)</li> </ul>	<ul style="list-style-type: none"> <li>• ROB-3L(3 Lenses)</li> <li>• ROB-3L-DA (3 Lenses Dual Aspect)</li> </ul>
Assembly & Accessories		
<ul style="list-style-type: none"> <li>• PLROB Encapsulated warning lights - see pg 3.00</li> </ul>	<ul style="list-style-type: none"> <li>• Custom Enclosures to meet requirements (see below)</li> </ul>	<ul style="list-style-type: none"> <li>• Optional Midi Peaks</li> </ul>
<ul style="list-style-type: none"> <li>• LE110 Encapsulated warning lights - see pg 3.00</li> </ul>		



**PLROB LED ROBOT BOX**





## APOLLO PLASTIC MODULAR ROBOTS

**S** - Normally Stock  
**L** - Limited Stock  
**O** - Ex Order

## ROBOT INDICATORS

- Modular Assembly.
- Fibreglass reinforced Nylon (P.A.).
- Led Lamp 12 or 24V, 110 or 220V.
- 110-220V Filament.
- LED daylight visible + 50 000 hours life expectancy.
- All fixings are exterior to the lamp housing chambers.
- Wiring channel with knockouts.
- Cable gland supplied to maintain (IP65).
- 4 way, 3 way, 2 way or single unit options available.

### Midi Mod Options

<ul style="list-style-type: none"> <li>● Red</li> <li>● Yellow</li> <li>● Green</li> <li>○ Clear</li> </ul>  <p>• 1 Way</p>	<ul style="list-style-type: none"> <li>● Red</li> <li>● Yellow</li> <li>● Green</li> <li>○ Clear</li> </ul>  <p>• 2 Way</p>	<ul style="list-style-type: none"> <li>● Red</li> <li>● Yellow</li> <li>● Green</li> <li>○ Clear</li> </ul>  <p>• 3 Way</p>	<ul style="list-style-type: none"> <li>● Red</li> <li>● Yellow</li> <li>● Green</li> <li>○ Clear</li> </ul>  <p>• 4 Way</p>
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### Assembly & Accessories

 <p>• All fixings are exterior to the lamp housing chambers</p>	 <p>• Cable Gland supplied to maintain IP65</p>	 <p>• Wiring channel with knockouts</p>	 <p>• Modular Assembly</p>
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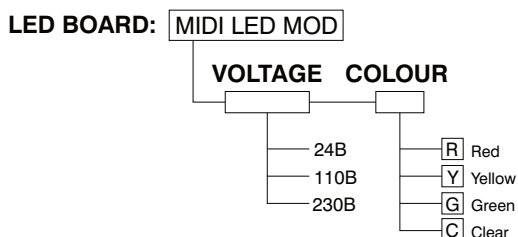


### LENS FOR MIDI MOD

- RED LENS : MIDI LENS-R ● Red  
 YELLOW LENS : MIDI LENS-Y ● Yellow  
 GREEN LENS : MIDI LENS-G ● Green  
 CLEAR LENS : MIDI LENS-C ○ Clear

### PART NO.:

### DAYLIGHT VISIBLE LED BOARD

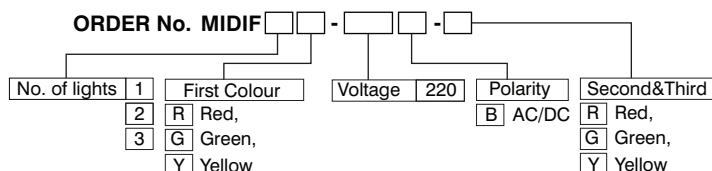


## MIDI ROBOTS

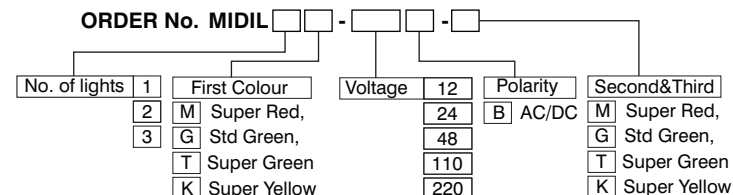
**S** - Normally Stock  
**L** - Limited Stock  
**O** - Ex Order

This range of IP65 traffic lights in extruded, anodized and hot painted aluminium has been designed to control slow traffic. Ideal for residential hotels, blocks of flats, car parks, car washes, factories & mines etc. It can be oriented through an angle of about 200° with 3° clicks. The material used for the plastic parts is PA6 30% glass fibre. The standard unit has a 220v 70w long life filament lamp (8 000 Hours on average). It is also available on special order with extended long life led's (50k+ hours on average).

### FILAMENT LAMP -220AC/DC(8 000 hours life expectancy)



### LED LAMP -12, 24,48VDC & 110,220VAC(150 000 hours life expectancy)



1,2 or 3 way Light options  
 Vertical or Horizontal fixing



- Red
- Yellow
- Green

Using our pre-programmed Super Relay PLC these robots can be used for crossroad, intersection & single lane bi-directional applications where traffic control is extremely important.

**QT50L** (Ø50mm Modular Multi-Functional LED Tower Lights)



S - Normally Stock  
L - Limited Stock  
O - Ex Order



**SIGNAL TOWER LIGHTS**

**QT70L** (Ø70mm Modular Multi-Functional LED Tower Lights)



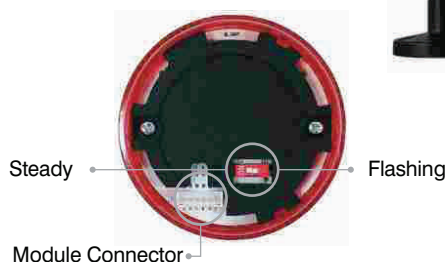
S - Normally Stock  
L - Limited Stock  
O - Ex Order

- QT series tower light is a multifunctional product that allows for significant customization to your specific needs using our special modular components such as the lens, buzzer, ethernet cord, USB cord and mounting brackets. Additional tools are not required for assembly
- All modular components can be arranged freely to the user desired position (upper/ lower) except for the dial tone lever.
- Buzzer modules position can be chosen freely. The buzzer module is designed to be compatible with the light modules by using a novel architecture developed by Qlight. Therefore, users can reposition the module to the location they desire.
- Can select from a variety of LED light functions, The LED indicator can provide varying signals/actions by using different independent light modules; flashing, strobe, rotating. For example, green would indicate normal operation, a red module would indicate risk which can be highlighted further by selecting a strobe flashing or rotating module.
- Select from 15 kinds of buzzer tones There are 4 audible modules available which includes one buzzer type module and 3 alarm modules. Each alarm module comes with 5 sound patterns that can be selected for your specific application environment. The Buzzer module is customizable with two options- the 2 tone buzzer and high volume buzzer.
- Product consist of LED modules, base module and pole module
- Can select from a variety of pole selections to fit your application needs
- Material : Lens-PC, Housing-ABS, Pole-Al
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip65



## LED MODULE (Multi-functional Module)

- 4 kinds of LED modules; Steady, steady/flashing, strobe, revolving flashing
- Good visibility with high brightness.
- Module position can be chosen based on signal importance.



- LED Steady Module**
- Output LED Steady signal
  - High brightness LED
  - Voltage : DC12V, DC24V, AC110V, AC220V



- LED Steady/Flashing Module**
- Output LED Steady/Flashing signal
  - High brightness LED
  - Voltage : DC12V, DC24V, AC110V, AC220V



- LED Strobe Module**
- LED flashing light
  - Excellent notice compare to flashing type
  - Voltage : DC12V, DC24V



- LED Revolving Flashing Module**
- LED light revolve and flash
  - Dynamic Signal
  - Voltage : DC12V, DC24V

## BUZZER MODULE

- Buzzer module has Siren and Bip sound, Bip sound is adjustable.
- Buzzer module position can be chosen freely and has a good air tight seal.
- Sound adjustable by lever on module side
- Buzzer module position can be chosen freely



- Bip Sound Buzzer Module**
- Bip sound (Pi-Pi) volume : Max 90dB
  - Sound adjustable
  - Voltage : DC12V, DC24V, AC110V, AC220V



- Siren Sound Buzzer Module**
- Siren buzzer volume : Max 90dB
  - Sound fixed
  - Voltage : DC12V, DC24V, AC110V, AC220V

## MOUNTING BRACKETS (Pole Mounting)

Standard

LB18 / LB24

LW18 / LW24

QZ18 / QZ24

SZ18 / SZ24

QL18 / QL24

SL18 / SL24

QLA18 / QLA24



Steel



Steel



PC



PC



Al



PC




Al



PC

**MFL60 / MFL80** (Ø60mm / Ø80mm)

**MFL100 / MFL125** (Ø100mm / Ø125mm)

 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order  
 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

**Qlight** MULTI FUNCTION LED SIGNAL LIGHTS



- Product has multi functions of LED Steady/ Flashing, strobe, and simulated revolving.
- Operating options with switches inside product or external connect.
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb.
- Built-in buzzer available(Volume: Max 80dB at 1m).
- Flashing type(LF) flashing rates: 60-80 flashes/min.
- Strobe type(LS) flashing rates: 70-80 flashes/min.
- Simulated revolving type(LR) flashing rates: 120-140 flashes/min .
- Materials: Lens-PC, housing-ABS, Mounting bracket-PC.
- Ambient operating temperature: -30°C to +50°C.



MFL60

MFL100



MFL80

MFL125



• LED Steady/Flashing



• LED Strobe

• LED Simulated Revolving

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
MFL60 - Ø60	Built in Buzzer available 80dB	DC12V-24V AC110V-220V	0.140A 0.045A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP66
MFL80 - Ø80			0.190A 0.052A			
MFL100 - Ø100			0.255A 0.067A			
MFL125 - Ø125			0.255A 0.067A			

**Q60L / Q80L** (Ø60mm / Ø80mm)

**Q100L / Q125L** (Ø100mm / Ø125mm)

 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order  
 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order

**LED STEADY/FLASHING SIGNAL LIGHTS**



- L series - Direct mount type with the three bolts/screws located on the bottom of the product.
- LP series - Pole mount type / various mounting options are available
- Shock and vibration-resistant, maintenance reduced with long-lasting energy efficient LED light bulbs.
- Materials : Lens-PC, Housing-ABS.
- Features high visibility with special diffusive lens and direct LED light distribution system.
- Built-in switch for selection between steady and flashing light mode.
- Flashing rate : 60-80 flashes/min.
- Ambient operating temperature : -30°C to +50°C.
- Protection rating : Ip65.
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive



Q60L

Q100L



Q60LP

Q125LP

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Q60L - Ø60	Built in Buzzer available 80dB	DC12V-24V AC110V-220V	0.140A 0.045A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP65
Q80L - Ø80			0.190A 0.052A			
Q100L - Ø100			0.255A 0.067A			
Q125L - Ø125			0.255A 0.067A			

## MOUNTING BRACKETS (Pole Mounting)

- For Q60LP & Q80LP Models only use ..18 series of accessories.
- For Q100LP & Q125LP Models only use ..24 series of accessories.

Screw & Nut

QZ18 / QZ24

SZ18 / SZ24

QL18 / QL24

SL18 / SL24

QLA18 / QLA24



Steel



PC



Al



PC



Al



PC

Quick release

## SOL Series

S - Normally Stock  
L - Limited Stock  
O - Ex Order

## SOLAR RECHARGEABLE SIGNAL LIGHTS

- Solar rechargeable LED flashing signal light that does not require an external power supply or wiring
- Built-in Darkness Detection System that automatically begins to operate when darkness is detected
- Fully enclosed structure that can withstand storm and severe dust environments (IP54)
- Prevents discharge using a built-in power switch
- Flashing Rate : 60-80 flashes/min
- Materials : Lens-AS, Body-ABS, Reflector-Heat resistant ABS
- Ambient operating temperature : -25°C to +50°C
- Protection rating : IP54
- Certificates : CE Compliant



Model	Operation Time	Voltage	Capacity	Weight	Lens Colours	Protection
S80SOL	30hrs/1charge(8hrs)	2.4V	0.77Ah	0.27kg	● Red ● Amber	IP54
S100SOL	40hrs/1charge(8hrs)	2.4V	0.70Ah	0.41kg		
S125SOL	50hrs/1charge(8hrs)	2.4V	0.70Ah	0.51kg		



## MOUNTING BRACKETS (Wall Mounting)

- Wall mounting bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.

QMCL60/QMCL80

SMCL80



Wall Mount Bracket  
**TWS80**



Wall Mount Bracket  
**TWA80**

QMCL100/QMCL125

SMC100/SMCL125



Wall Mount Bracket  
**SWP125**



Wall Mount Bracket  
**SWM125**

## S80..

S - Normally Stock  
L - Limited Stock  
O - Ex Order



## FILAMENT ROTATING LIGHTS

- Ø80mm bulb revolving warning light
- Adopts a special power transmission system that reduces noise and wear
- S80R/U Built-in buzzer available (Volume : Max. 90dB at 1m)
- S80RK / UK with circular mounting bracket
- Revolving speed : 120-140RPM
- Materials : Lens-AS, Housing-ABS, Reflector-Heat resistant ABS
- Ambient operating temperature : -20°C to +50°C
- High durability bulb
- Protection rating : IP44
- Certificates : CE Compliant



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S80R S80U	Built in Buzzer available 80dB	DC12V DC24V AC110V AC220V	0.484A 0.310A 0.080A 0.040A	Bulb 12V5W 24V5W 12V5W 12V5W	● Red ● Amber ● Green ● Blue	IP44
S80RK S80UK	Circular mounting bracket for convenient installation	DC12V DC24V AC110V AC220V	0.484A 0.310A 0.080A 0.040A	Bulb 12V5W 24V5W 12V5W 12V5W	● Red ● Amber ● Green ● Blue	IP44



S80U



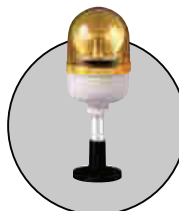
S80R



S80UK



S80RK



## Customization

- Pole mount type

Standard	QZ18	SZ18	SL18	QLA18
Steel	PC	Al	Al	PC

**S150**....(Ø150mm Bulb Revolving Warning Lights)

S - Normally Stock  
L - Limited Stock  
O - Ex Order

**FILAMENT ROTATING LIGHTS**

- Ø150mm bulb revolving warning light
- S150R Models : Feature highly durable housing made of corrosion-proof stainless steel (STS)
- S150U Models: Feature special power transmission system which allows low noise and less wear
- S150U Models: Feature Built-in buzzer available (Volume : Max. 90dB at 1m)
- S150LR Models :Radiating LED Light of high brightness by using a special revolving reflector Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector - LR series
- Suitable for Long distance signal transmission by adopting high capacity bulb and large sized reflector
- Revolving speed : 120-140RPM
- Materials : Lens - PC, Housing - ABS or STS, Reflector - PC or Heat Resistant ABS, Mount Bracket - STS
- Ambient operating temperature : -20°C to +50°C
- Protection rating : Ip44



S150ULR



S150U-FT

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S150/U/LR S150/U/LR-FT S150/R/LR S150/R/LR-FT	U-ABS housing R-STs housing LR-LED Reflector FT-Feet	DC12V DC24V AC110V AC220V	0.422A 0.266A 0.082A 0.041A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP44



S150RLR



S150R-FT

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S150/U S150/U-FT S150/R S150/R-FT	U-ABS housing R-STs housing FT-Feet	DC12V DC24V AC110V AC220V	1.155A 0.766A 0.204A 0.102A	BULB 12V15W 24V15W	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP44

**S180U**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**FILAMENT ROTATING LIGHTS**

- Excellent long distance signal transmission effect with 35W capacity bulb and dual reflectors
- A spare bulb is provided inside the product for quick replacement if provided
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- Revolving speed : 120-140RPM
- Materials : Lens-AS, Housing-ABS, Reflector-PC
- Ambient operating temperature : -20°C to +50°C
- Protection rating : IP44



S180 type has strong flashing light characteristics with dual reflector.



S180U has a spare bulb inside the product for easy replacement if required.



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S180U	Spare Bulb Located Inside	DC12V DC24V AC110V AC220V	3.077A 1.544A 0.388A 0.194A	Bulb 12V35W 24V35W	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP44

## QMCL... (Multi-Colour LED Steady/Flashing Signal Light)

S - Normally Stock  
L - Limited Stock  
O - Ex Order



## MULTICOLORED LED SIGNAL LIGHTS



QMCL series signal lights have a milky translucent hue when turned on. These signal lights provide a comfortable and stable viewing condition for workers in close proximity.

- Ø60, Ø80, Ø100 or Ø125
- Helps reduce the costs of installation by reducing the space needed to emit seven color signals in a single warning light.
- Milky translucent color when off, the soft LED illuminates designated colors when on.
- Built-in buzzer available (Volume : Max. 80dB at 1m).
- Materials : Lens-AS, Body-ABS.
- Ambient operating temperature : -30°C to +50°C.
- Protection rating : IP65.
- Colours: Red, Amber, Cyan, Green, Blue, Purple, White.



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
QMCL60-Ø60	Emits a cozy and comfortable hue	DC12V	0.120A	LED Steady	7 Colour options	IP65
QMCL80-Ø80		DC24V	0.060A			
QMCL100-Ø100		DC12V	0.240A			
QMCL125-Ø125		DC24V	0.120A			

## SMCL... (Multi-Colour LED Steady/Flashing Signal Light)

S - Normally Stock  
L - Limited Stock  
O - Ex Order



- Ø80, Ø100 or Ø125
- Ideal for locations where space requirements need one warning light to convey multiple color signals.
- LED light distribution system with multi-tiered reflector provides uniformed light signals throughout the entire lens.
- Built-in buzzer available (Volume : Max. 90dB at 1m).
- Can select between steady/ flashing mode.
- Flashing rate : 60-80 flashes/min.
- Materials : Lens-AS, Body-ABS, Reflector-Heat resistant ABS.
- Ambient operating temperature : -30°C to +50°C.
- Protection rating : Ip44
- Certificates: CE Compliant
- Complaint with RoHS directive



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
SMCL80-Ø80	Produces Two or Three multicolored LED signals	DC12V	0.234A	LED Steady/Flashing	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> </ul>	IP44
SMCL100-Ø100		DC24V	0.132A			
		AC110V	0.066A			
SMCL125-Ø125		AC220V	0.033A			
		DC12V	0.387A			
		DC24V	0.212A			
SMCL125-Ø125	AC110V	0.093A				
	AC220V	0.046A				
	DC12V	0.410A				
SMCL125-Ø125	DC24V	0.227A				
	AC110V	0.104A				
	AC220V	0.052A				



## MOUNTING BRACKETS (Wall Mounting)

- Wall mounting bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.

QMCL60/QMCL80

SMCL80



Wall Mount Bracket  
TWS80



Wall Mount Bracket  
TWA80

QMCL100/QMCL125

SMC100/SMCL125




Wall Mount Bracket  
SWP125



Wall Mount Bracket  
SWM125


**S150US** (Ø150mm Xenon Lamp Strobe Signal Light)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order



**STROBE LIGHTS**

**S150US-FT** (Ø150mm Xenon Lamp Strobe Signal Light)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order



- Ø150mm Xenon Lamp Strobe Light
- Ø150mm LED Steady/Flashing Signal Light
- Improved visibility by employing special scattering Lens
- Built-in switch for selection between steady and flashing mode
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- Ambient operating temperature : -30°C to +50°C
- Connector type lamp socket allows convenient lamp replacement
- Flashing rate : 60-80 flashes/min
- Materials : Lens - PC, Housing - ABS, Reflector - Heat resistant ABS
- Protection rating : Ip44



S150US-FT/S150UL-FT



S150US/S150UL

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S150UL	Improving Visibility by Employing Special Scattering Lens	DC12V	0.300A	LED Steady/Flashing Signal Light	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP44
S150UL-FT		DC24V	0.200A			
S150US		AC110V	0.060A	Xenon Lamp Strobe Signal Lights		
S150US-FT		AC220V	0.030A			

**S125MLR** (Ø125mm LED Revolving Warning Light)


 S - Normally Stock  
 L - Limited Stock  
 O - Ex Order



- Ø125mm standard LED revolving warning light
- Three powerful magnets provide strong adhesion to the vehicle
- Power supply through cigarette lighter plug
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Shock and vibration-resistant from the vehicle with long-lasting LED light bulbs
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- Revolving speed : 120-140RPM
- Materials : Lens - AS, Housing - ABS, Reflector - Heat resistant ABS
- Ambient operating temperature : -20°C to +50°C
- Protection rating : IP54



S125MLR

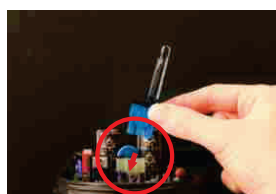


Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S125MLR	LED Revolving Warning Lights for Vehicle	DC12V DC24V	0.422A 0.266A	LED Revolving Reflector	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP54

**S80S** (Ø80mm Xenon Lamp Strobe Signal Lights)



- Ø80mm xenon lamp strobe signal lights
- High efficiency strobe light that offers excellent outdoor visibility and long-distance signal light luminance close to natural light
- Lamp connector fastening structure allows for convenient lamp replacement
- Flashing rate : 60-80 flashes/min
- Materials : Lens-AS, Housing-ABS,
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip54



**Xenon lamp replacement instructions**

Convenient lamp replacement with connector lamp type. Lamp replacement is safe after the product is powered off for 30 mins.



S80S



S80SM

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S80S	Replaceable Xenon Lamp	DC12V DC24V AC110V AC220V	0.433A 0.216A 0.076A 0.061A	Xenon Lamp	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP54

**EDISON EGG D200**

S - Normally Stock  
L - Limited Stock  
O - Ex Order

**STROBE LIGHTS**



- 110V AC - 1W
- 220V AC - 1W
- Candlepower: 320 000
- Flashes per min: 60
- Weatherproof xenon strobe.
- Acrylic lens with ABS E27 base.
- Colours: Red, Green, Yellow, Blue or Clear.



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
D200	Looks like a egg	AC110V AC220V	0.422A 0.266A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> <li>○ Clear</li> </ul>	IP54

**AX35B**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



- 12V DC - 150mA
- 24V DC - 60mA
- 110V AC - 28mA
- 220V AC - 14mA
- Candlepower: 100 000
- Flashes per min: 120
- Intensive weatherproof xenon strobe.
- Acrylic lens with ABS base. Base Mounted.
- Colours: Red, Green, Yellow, Blue & Clear.



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
AX35B		DC12V DC24V AC110V AC220V	0.15A 0.06A 0.028A 0.014A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> <li>○ Clear</li> </ul>	IP44

**AXD-24BM-24 Strobe**

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**AXD-24LM-24 LED**

- Available in Single or Double Flash
- Hardwire: Permanent mount without plug
- Magnetic Base: with plug to suit standard automotive power outlet
- PC Board is epoxy potted to increase lifespan
- Polycarbonate UV stabilised lens
- Operating temperature: -20 to 85° C
- Interchangeable lenses
- Flash rate: 65-75 flashes per minute
- Pole Mount adapter available
- Magnetic Base lead length: 4m
- Hardwire: H95mm x D129mm
- Magnetic Base: H110mm x D129mm
- Current draw @ 12V: 0.25 Amps
- Available in Amber, Red, Green, Clear and Blue



STROBE

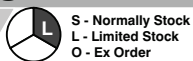
- 12VDC
- Flashes per minute: 100
- Lens & base are polycarbonate
- Magnetic base
- Cigarette lighter plug
- Colours: Red, yellow, blue & clear



LED

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S125MLR	LED Revolving Warning Lights for Vehicle	DC12V DC24V	0.422A 0.266A	LED Revolving Reflector	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> </ul>	IP54

**AX26**



**STROBE LIGHTS**

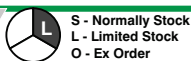


- 24V DC - 400mA  
110V AC - 100mA  
220V AC - 50 mA
- Candlepower: 900 000
- Flashes per min.: 120
- Acrylic lens with ABS base. Base Mounted.
- Super-intensive light for construction sites, signboards, outdoors etc...
- Colours: Red, Green, Yellow, Blue or Clear.



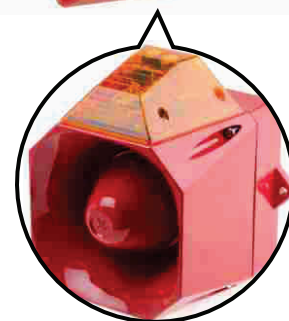
Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Asserta Beacon		DC10-30V AC230V	0.25A 0.015A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> <li>○ Clear</li> </ul>	IP44

**ASSERTA BEACON**



The distinctive shape of this industrial beacon and its robust construction are combined with highly efficient control of the light output to give a performance normally associated with much more powerful units. Available with different voltage supply for added versatility.

- Xenon beacon matching the Asserta range of sounders
- IP66 protection
- Adjustable flash rate (24Vdc version)
- Asymmetric light output
- A robust beacon complementing the Asserta industrial products
- Suitable for external use
- Provides extra differentiation between alarm events
- Lens is designed to optimise light output for maximum visibility
- Operating Temp: -25°C to +70°C
- Material: ABS, PC
- Body Colour: Red
- Lens Colours: Red, Amber, Blue or Clear



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Asserta Beacon	Ergonomical design	DC10-30V AC230V	0.25A 0.015A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> <li>○ Clear</li> </ul>	IP66

**SOLEX BEACON**



Xenon Beacons are a cost effective compliment to audible alarms for use in areas of high ambient noise. The wide operating voltage and automatic synchronisation of the Solex make them a universal solution for all types of alarm and monitoring systems.

- 3 light output options
- 5 lens colour options
- 9V - 60V
- Tamper switch option (10cd)
- Performance to suit your application
- A colour to suit all events
- Wide operating voltage for maximum flexibility
- For use where security is an issue
- Operating Temp: -25°C to +70°C
- Material: ABS, PC Lens
- Body Colour: Red
- Lens Colours: Red, Amber, Blue, Green or Clear



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Solex Beacon	Deep or Shallow Base options	DC10-30V AC230V	0.25A 0.015A	Xenon	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Green</li> <li>• Blue</li> <li>○ Clear</li> </ul>	Ip65

**SUPER SOLO LED (SLF-...)**

**SOLO ECONOMY VERSION (SLFECO-...)**

**SOLO STROBE (SST-...)**

S - Normally Stock  
L - Limited Stock  
O - Ex Order

S - Normally Stock  
L - Limited Stock  
O - Ex Order

S - Normally Stock  
L - Limited Stock  
O - Ex Order



**STROBE LIGHTS**



- Impact resistant lens & enclosure
- Suitable for outdoor use, supplied with Neoprene Gasket
- All versions available with the following base options:-
- ST=Standard
- GD=Gland
- GC=Gland & Cable
- Lens colours: Red, Yellow, Orange, Blue or Clear. (Green on special order).

**SLF-....**

- Voltages: 12, 24, 72, 115 or 230V AC/DC
- Low current consumption
- Shock and vibration resistant
- 15 Selectable flash-rate/Pattern combinations as well as steady on option.
- Life expectancy 150 000 hours @ 70% duty cycle.
- LED Colours: Red, Green, Amber, Blue or Clear.

**SLFECO-....**

- Voltages: 12, 24V DC or 110, 220V AC
- Low cost steady on LED beacon
- Ideal for domestic gate operation indicator
- LED Colours: Red, Green, Amber, Blue or Clear

**SST-....**

- Voltages: 115 or 230VAC ± 10%
- Flash rate: 72 flashes/minute
- Current consumption : 80mA@115VAC/40mA @ 230V AC
- Flash power : 4 Joules @ 115VAC/230V AC
- Long life expectancy >1000 hours (70% duty cycle)
- Over-Voltage protection
- Micro processor controlled
- LED Colours: Red, Green, Amber, Blue or Clear.



**S180US / UHS (Xenon Strobe Signal Lights)**

- Excellent long distance visibility from flashing light of the high capacity xenon lamp
- Adopts a translucent lens which provides a luminous light and subdued signal
- Convenient lamp change adopts lamp connector type structure
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- S180UHS ultra high intensity strobe light has 3 built in high intensity xenon lamps.
- Materials: Lens-ABS, Housing-ABS
- Flashing rate : 60-80 flashes/min (2 time consecutively flashing off or two in a row)
- Ambient operating temperature : -30°C to +50°
- Protection rating : IP44



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S180US	Luminous Lighting	DC12V DC24V AC110V AC220V	1.277A 0.655A 0.233A 0.186A	Xenon Lamp 280V-400V	• Red • Amber • Green • Blue	IP44
S180UHS	Hyper Brightness Luminous Lighting	DC12V DC24V AC110V AC220V	2.277A 1.055A 0.711A 0.422A	3x Xenon Lamps 280V-400V	• Red • Amber • Green • Blue	IP44

## WALKING STANDING MAN



S - Normally Stock  
L - Limited Stock  
O - Ex Order

**WSM-N-12D** (12VDC neg.comm)

**WSM-N-24D** (24VDC neg.comm)

Red & Green LED Indication

**APPLICATIONS:**

- Access control

**WSMFL** (Facia left)

**WSMFR** (Facia right)

Facia's available in black or grey

**Custom personalized graphics available upon request for specific Access control zones**

**Featuring new super bright surface mount LED's  
Reduced current, Higher brightness**



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
WSM	Ergonomical design	DC10-30V AC230V	0.25A 0.015A	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> <li>○ Clear</li> </ul>	IP66

## HEX110 - 600A LED INDICATOR



S - Normally Stock  
L - Limited Stock  
O - Ex Order

These sealed LED indicator units are designed for harsh environment warning light usage. The electronics are internally encapsulated in an epoxy resin to protect against moisture and vibration damage. The whole unit is placed in a sealed enclosure to further prevent moisture ingress. All electronics are protected from voltage spike and are designed to work of a large range of voltages as would be expected on long cable lengths.

- Input Voltage range: 140 - 750VAC continuous
- Current Consumption: 21mA @ 600VAC
- Spike Protection: >800VAC for shorter than 2 seconds
- Light output (total): >60 000mcd @ 600VAC
- Wavelength: Typical 624nm
- Life Expectancy: >150 000 hours
- Single or Dual Aspect options

**CR12:**

Corrosion resistant plate



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
HEX110	Dual or Single Sided	AC140V - AC750V	0.021A @ AC600V	LED	<ul style="list-style-type: none"> <li>• Red</li> <li>• Amber</li> <li>• Blue</li> <li>○ Clear</li> </ul>	IP65