Emergency Service and Utility Vehicle Warning systems

Catalogue

Lightbars
Lamps & Lighting
Sirens & Speakers
Controllers & Switching
Auxiliary Items
Camera Equipment
Installation & Service

Premier Hazard ltd
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Ordering to delivery it couldn’t be easier….

1. Telephone Premier Hazard on: +44 (0)113 239 1111 and speak to one of our Customer Service Team.
2. Email our Customer Service Team at: sales@premierhazard.co.uk.
3. Or fax to: +44 (0)113 239 1131

SPARES
All spares available for 24 hour delivery within the UK.

Part of the Public Safety Equipment (PSE) group of companies.

Resourceful, reliable and responsive

Founded in 1983, Premier Hazard is renowned for being one of the world’s leading manufacturers of innovative lighting and warning systems, for a variety of applications.

Premier Hazard provides solutions to its customers, who include Emergency, Rescue, Utility and Recovery Services, for all vehicle hazard-warning requirements.

With a worldwide customer base, covering more than 100 countries, quality is of paramount importance for all equipment supplied.

Premier Hazard is the only UK hazard warning equipment manufacturer, with a full suite of in house test facilities, including Photometric, Vibration, Water Ingress, Salt fog, Humidity and Hot/Cold chambers all of which are used to ensure products meet and exceed required European regulations and our own exacting quality standards.

With new technology accelerating change in all main sectors, Premier Hazard has to be one step ahead, to ensure it can always provide the latest solution, purposely designed, to meet the challenging demands of its many customers. This is why the Premier Hazard product range is always developing, to include the latest technology for Lightbars, LED lighting, Sirens and speakers, control systems, along with Vehicle mounted Camera and Digital Video Recording systems.

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Accreditations

Premier Hazard currently hold a number of accreditations for quality and performance, which have been awarded following assessment by many of our world class vehicle manufacturing customers.

Premier Hazard have been accredited with BS EN ISO9001:2000, and have also achieved ISO 14001:2004 for environmental standards.

Certificate EMS 73903
Premier Hazard have been credited with BS EN ISO14001:2004

ISO9001:2000
Premier hazard operate a quality management system which complies with the requirements of BS EN ISO9001:2000

CAD Facilities

- CAD data transfer with all major 3D systems
- 10 CAD seats:
  - Unigraphics 3D NX3
  - AutoCAD 2D
- Data link to in-house CNC milling machine for rapid prototype parts

Environmental Laboratory

Facilities include
- Salt fog - ASTM B117
- Humidity - BLS programmable
- Water ingress - ISO/SAE
- Dust ingress
- Cold chamber to -70°C
- Hot chamber to +125°C
- Scada control system
- EMC Test Chamber

Vibration Test Rig

Vibration machine / amplifier
- 51mm peak to peak
- 90G max. Acceleration

Testing for
- Shock
- Sine sweep
- Sine tone
- Random
- PSD from customer data
- Portable data logger with Tri-axial accelerometer

Photo-metrics Laboratory

Surface Light Measurement
Light Intensity Measurement

EMC Approvals

Our products are approved to EMC EC Directives and ECE Regulations. Other EMC approvals can be obtained if required.
The Defender lightbar features the truly unique TriCore™ technology, which constitutes a quantum leap forward in signal brightness – far exceeding the intensity and quality of any system. Unlike traditional LED lightbars that drop off at key angles, TriCore™ maintains its astonishing visibility a full 360 degrees.

This is significantly safer and offers increased visibility to drivers at all angles. It also provides greater distance visibility for approaching drivers allowing for more reaction time.

This means that whether you’re moving in pursuit mode, through narrow roadways or stopped in a difficult and challenging position on a side road or busy highway, - the new TriCore™ light technology will offer greater protection and confidence than any other product!

The Defender lightbar offers fantastic brightness and will directly assist in warning and clearing traffic in any weather conditions. At the 45° key ‘intersection angle’ it is 2½ times brighter than any other lightbar, providing extra lighting warning and protection where it is needed most, allowing the officers greater confidence at areas of limited off-angle visibility.

It has a ‘weather seal’ that protects the components from the rain, spray, traffic grime and algae build up.

Improved thermal management within the Defender lightbar also ensures all components are kept cooler than any other lightbar in the market, reducing the risk of operational failures that can compromise officer safety.

With the addition of dimming mode for night time activity the Defender lightbar offers an unequalled level of hazard warning.

Being totally modular, it is available in a variety of sizes from 23” up to 94” in length.

Available Lengths: 23”, 35”, 44”, 47”, 52”, 58”, 70”, 80”, 94”

- Height: 2.5”
- Diameter: 13.5”
- Unique patented lighthead display using TriCore™ Technology
- 7000 candela at peak intensity
- 2.25 times brighter at any top angle lightbar on the market at 45 degree and 60 degree intersection angles
- Intensely brighter alley and take down lights than traditional halogen or LED
- 2 times brighter signal from rear of lightbar
- Improved central control activity
- Dimming Mode
- Improved thermal management, reducing component failures
- Modular lens design
**Ultimax**

Versatile, Two Layer or Single Deck Lightbar

**Available with**

- **Height:** 138mm (5.4")
- **Width:** 346mm (13.6")
- **Length:** Up to 2070mm (82")

**Other lengths**
- 895mm (35")
- 1118mm (44")
- 1245mm (49")
- 1372mm (54")
- 1473mm (58")
- 1626mm (64")
- 1727mm (68")
- 2070mm (82")

**Lens Colours**
- Amber
- California Blue
- Clear
- E Blue
- Red
- Sky Blue

**Options**
- LED’s
- Rotator Assemblies
- Halogen Warning
- Strobe Heads
- Strobe Power Supplies
- Signs & Grilles
- Spot/Flood Lighting
- Infosigns
- Speakers
- Roof Connector
- Arrow Bar

**Additional Information**

- Wind Tunnel Tested
  - 130mph/208kph

- Optional bespoke lettering, logos and a variety of non-standard options are available for all Premier Hazard Ultimax lightbars.

- TriCore™ lighthead available for complete bar configuration only.

**Contact Our Sales Team to Discuss Your Bespoke Specification.**
Traffic Max II

Featuring Leading Edge Prism LED Technology

The Traffic Max II features an incredibly bright light output, using latest Prism LED technology, in an ultra-sleek, strong design. Available in sizes 22” to 80”

**Standard 44” Model**

<table>
<thead>
<tr>
<th>Height: 69mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 310mm</td>
</tr>
<tr>
<td>Length: 1118mm (44”)</td>
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</tbody>
</table>

It uses the super bright Prism reflector LCD unit with a five year guarantee. It is totally encased in a strong, fully tested polycarbonate enclosure that protects all components from water ingress, dirt, grime and other corrosive elements associated with everyday usage of high performance traffic vehicles.

Optional LED Alley and Take Down Lights

- Exceptional light output, using latest generation LED’s
- Low Amp draw
- Extruded aluminium frame
- Clear Polycarbonate lens
- Available in flashing or Steady-Burn versions
- Ultra-low profile
- Mounting kits available separately

| 12 volt Reverse Polarity protected |
| Flash/Steady Burn option for Takedown and Alley lights |
| Alternating Rear Red’s |
| LED dimming facility as standard |
| Cruise light option as standard |
| Blue or Amber |
| Reg 65 Class 1 Blue option |

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.
The Traffic Max features an incredibly bright light output, using low power consumption and latest generation LED’s in an ultra-sleek, strong design.

<table>
<thead>
<tr>
<th>Height: 53mm (2.1”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 311mm (12.25”)</td>
</tr>
<tr>
<td>Length: up to 1070mm (42”)</td>
</tr>
</tbody>
</table>

Weight: 12.7kg
- Exceptional light output, using latest generation LED’s
- Low Amp draw
- Extruded aluminum frame
- Clear Polycarbonate lenses
- Available in flashing or Steady-Burn versions
- Ultra-low profile
- Mounting kits available separately
- Blue or Amber
- Reg 65 Class 1 Blue option

The totally enclosed lightbar that eliminates the ingress of dirt, water, grime and other corrosive elements associated with everyday usage of high performance traffic vehicles.

Octagon Light Bar

The totally enclosed lightbar that eliminates the ingress of dirt, water, grime and other corrosive elements associated with everyday usage of high performance traffic vehicles.

<table>
<thead>
<tr>
<th>Height: 65mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 278mm</td>
</tr>
<tr>
<td>Length: 422mm</td>
</tr>
</tbody>
</table>

Octagon TriLite
- TriLite LED units
- 26 Built in flash patterns
- Multi unit synchronization
- Dual Voltage
- Permanent or magnetic mount

Octagon 40/60
- Super wide XtraLite LEDs
- 26 Built in flash patterns
- Multi unit synchronization
- Dual Voltage
- Permanent or magnetic mount

Popular Models
- LL688-102 Amber
- LL688-103 Blue
- MK688-000 Permanent Mounting Kit
- MK688-104 Magnetic Mounting Kit to both models

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.
Midimax
Low Profile Lightbar

Available with TriCore®

Available options

- Standard LED options
- Now available with low profile speaker
- Halogen, strobe options available
- Gear driven rotators for long life
- Rotators wired in pairs
- Integral alley lights
- Easy maintenance, quick-release one piece lenses
- UV stabilised polycarbonate lenses
- Reg 65 Class 1 & 2 Blue option
- Reg 65 Class 1 Amber option

Optional bespoke lettering and logo’s available for all Premier Hazard lightbar illuminated centre sections.

TriCore™ lighthead available for complete bar configuration only.

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.
Lomax

- Standard LED options
- Aerodynamic design for minimal wind resistance on high speed vehicles
- New strobe power supplies and heads for higher visibility and increased reliability
- Easy maintenance, quick release one piece lenses
- UV stabilised polycarbonate lenses
- Reg 65 Class 1 Blue and Amber option
- Chapter 8 Amber option

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.

Available options

<table>
<thead>
<tr>
<th>Height:</th>
<th>90mm (3.5&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width:</td>
<td>290mm (11.4&quot;)</td>
</tr>
<tr>
<td>Length:</td>
<td>Up to 1741mm (68&quot;)</td>
</tr>
</tbody>
</table>

Wind Tunnel Tested
130mph/208kph

Optional LED Alley and Take Down Lights

Optional bespoke lettering and logo's available for all Premier Hazard lightbar illuminated centre sections.

Other lengths
- 510mm (20")
- 694mm (27")
- 849mm (33")
- 1036mm (41")
- 1117mm (44")
- 1214mm (48")
- 1374mm (54")
- 1476mm (58")
- 1741mm (68")

Lens Colours
- Amber
- California Blue
- Clear
- Green
- E Blue
- Magenta (not EU)
- Red

Options
- LED's
- Halogen Warning
- Strobe Heads
- Strobe Power Supplies
- Signs & Grilles
- Spot/Flood Lighting
- Speakers (raised centre required)
- Roof Connector

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.
Optimax

The Industry’s Most Popular Lightbar

Height: 130mm (5”)
Width: 290mm (11.4”)
Length: Up to 1741mm (68”)

Exceptional light output with a combination of 360º and standard LED options
Gear driven halogen rotators for long life
Easy maintenance, quick release one piece lenses
UV stabilised polycarbonate lens
Reg 65 Class 1 Blue and Amber option
Chapter 8 Amber option

Optional bespoke lettering and logo’s available for all Premier Hazard lightbar illuminated centre sections.

Wind Tunnel Tested 130mph/208kph

9A/K Kit

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.

Available options

Other lengths
- 510mm (20”)
- 694mm (27”)
- 849mm (33”)
- 1036mm (41”)
- 1114mm (44”)
- 1214mm (48”)
- 1374mm (54”)
- 1476mm (58”)
- 1741mm (68”)

Options
- LED’s
- Rotator Assemblies
- Halogen Warning
- Strobe Heads
- Strobe Power Supplies
- Signs & Grilles
- Spot/Flood Lighting
- Infosigns
- Speakers
- Roof Connector

Lens Colours
- Amber
- California Blue
- Clear
- E Blue
- Green
- Red
Maxim

The Ultimate in Lightbar Versatility

- Height: 140mm (5.5")
- Width: 330mm (13")
- Length: Up to 2540mm (100")

Other lengths:
- 255mm (10")
- 390mm (15")
- 510mm (20")
- 630mm (25")
- 750mm (30")
- 870mm (34")
- 990mm (39")
- 1110mm (44")
- 1230mm (48")
- 1350mm (53")
- 1470mm (58")
- 1590mm (63")
- 1710mm (67")
- 1830mm (72")
- 1950mm (77")
- 2070mm (82")
- 2190mm (86")
- 2310mm (91")
- 2430mm (95")
- 2540mm (100")

Lens Colours:
- Amber
- California Blue
- Gear
- E Blue
- Green
- Red

Options:
- LED's
- Rotator Assemblies
- Halogen Warning
- Strobe Heads
- Strobe Power Supplies
- Camera Bracket
- Signs & Grilles
- Spot/Flood Lighting
- Infosigns
- Speakers
- Roof Connector

Lens sections allowing a combination of lens colours along the length of the bar both front and rear
- Halogen, LED and strobe options available
- Gear driven rotators for long life
- Rotators wired in pairs
- UV stabilised polycarbonate lenses
- Reg 65 Class 1 Blue and Amber option
- Chapter 8 Amber option

Wind Tunnel Tested
130mph / 208kph

Optional bespoke lettering and logo's available for all Premier Hazard lightbar illuminated centre sections.

CONTACT OUR SALES TEAM TO DISCUSS YOUR BESPOKE SPECIFICATION.
MX 7000®
The Shape You Can Trust

There's nothing like the dual-decks of the MX 7000® for giving you the power and flexibility to get everything you want from a performance lightbar. You get primary unobstructed signal protection from upper-deck rotators and mirrors, while the lower-deck is dedicated to providing a variety of special purpose lights - including the highly acclaimed built-in ArrowStick®.

Height: 146mm (5.75”)
Width: 311mm (12.25”)
Length: Up to 2032mm (80”)

- Extruded aluminum frame
- Polycarbonate lenses
- Amber or clear lens with filter options
- H1 55 watt Halogen rotating assemblies
- Mounting kits sold separately
- Reg 65 Class 1 Blue and Amber option
- Chapter 8 Amber option

Weight: 18kg

Aeromax
Stylish Aerodynamic Design

Height: 130mm (4.4”)
Width: 205mm (8.2”)
Length: 420mm (16.5”)

- UV stabilised polycarbonate lenses
- Flexible magnetic mounting with additional suction suitable for curved or flat roofs. Halogen only
- Colours: Amber, blue, clear, green, magenta & red (magenta not approved for European use at time of publication)
- Single voltage application:
  - 12v rotators 55w bulb @ 4.5 amps
  - 24v rotators 70w bulb @ 3.0 amps
- Reg 65 Class 1 Blue and Amber option
- Chapter 8 Amber option

Weight: 2.64kg

9420MBR Magnetic mount

- Popular Models
  - E9420MBR-H-12-A halogen, 12v, amber
  - 9420MBR-H-12-B halogen, 12v, blue
  - E9420MBR-H-12-EB halogen, 12v, E blue
  - 9420MBR-H-12-C halogen, 12v, clear
  - 9420MBR-H-12-G halogen, 12v, green
  - 9420MBR-H-12-M halogen, 12v, magenta
  - 9420MBR-H-12-R halogen, 12v, red

- Also available in 24V 9420MBR-H-24-A

9420 Four bolt fixing

- Popular Models
  - E9420-H-12-A halogen, 12v, amber
  - 9420-H-12-B halogen, 12v, blue
  - E9420-H-12-EB halogen, 12v, E blue
  - 9420-H-12-C halogen, 12v, clear
  - 9420-H-12-G halogen, 12v, green
  - 9420-H-12-M halogen, 12v, magenta
  - 9420-H-12-R halogen, 12v, red

- Also available in 24V 9420-H-24-A

9492 Four bolt fixing/dual voltage

- Popular Models
  - 9492-S-DV-A strobe, 12/24v, amber
  - 9492-S-DV-B strobe, 12/24v, blue
  - 9492-S-DV-C strobe, 12/24v, clear
  - 9492-S-DV-G strobe, 12/24v, green
  - 9492-S-DV-M strobe, 12/24v, magenta
  - 9492-S-DV-R strobe, 12/24v, red

- Magnetic Mount Beacons
  - These magnetic beacons are intended for temporary use and may detach at speeds above those indicated.
Magnetic Mount Beacons

These magnetic beacons are intended for temporary use and may detach at speeds above those indicated.

Minimax

Height: 125mm (5”)
Width: 268mm (10.5”)
Length: 394mm (15.4”)

- UV stabilised polycarbonate lenses
- Heavy duty nickel coated magnets & rubber covers
- Colours: Amber, blue, clear, green & red

Weight: 2kg

9200 Four bolt fixing

Popular Models
9200-H-12-A halogen, 12v amber
9200-H-12-B halogen, 12v blue
9200-H-12-EB halogen, 12v E blue
9200-H-12-C halogen, 12v clear
9200-H-12-G halogen, 12v green
9200-H-12-R halogen, 12v red

Also available in 24V eg 9200-H-24-A
Current draw: 12v 9amp 24v 6amp

Weight: 3kg

9200M Magnetic mount

Popular Models
9200M-H-12-A halogen, 12v amber
9200M-H-12-B halogen, 12v blue
9200M-H-12-EB halogen, 12v E blue
9200M-H-12-C halogen, 12v clear
9200M-H-12-G halogen, 12v green
9200M-H-12-R halogen, 12v red

Also available in 24V eg 9200M-H-24-A
Current draw: 12v 11amp 24v 8amp

Weight: 3kg

9295DM Magnetic with cigar connector & lead

Popular Models
9295DM-HS-12-A halogen-strobe, 12v amber
9295DM-HS-12-B halogen-strobe, 12v blue
9295DM-HS-12-G halogen-strobe, 12v green
9295DM-HS-12-R halogen-strobe, 12v red

Current draw: 12v 11amp 24v 9amp

Weight: 3kg

9222 Four bolt fixing

Popular Models
9222-H-12-A halogen, 12v amber
9222-H-12-ARI halogen, 12v amber/red inserts
9222-H-12-B halogen, 12v blue
9222-H-12-BRI halogen, 12v blue/red inserts
9222-H-12-EB halogen, 12v E blue
9222-H-12-C halogen, 12v clear
9222-H-12-G halogen, 12v green
9222-H-12-GRI halogen, 12v green/red inserts
9222-H-12-R halogen, 12v red

Also available in 24V eg 9222-H-24-A
Current draw: 12v 15amp 24v 12amp

Weight: 2kg

Info Alert Signs

The Info Sign is a rear deck message sign providing roadway communication to approaching traffic. It is a complete warning package including arrow warnings (left, right, centre out and flash), flashing test and scrolling test displayed using a high-intensity LED array. The sign is highly visible in bright sunlight and incorporates a dimmer function for night-time use.

In addition to low current draw, one of the LEDs features is a long life performance rating of over 100,000 hours. Solid state LED design ensures durability against road shock and vibration providing low maintenance and extended life span. Can store up to 80 programmed messages incorporating both text and symbol. Messages can be displayed both fixed, flashing or scrolling. Quick, push button, message selection. Motorised activation allows unit to remain concealed until the sign is activated. Available for pop up or pop down positioning and in stand alone format for light bar mounting.

Controller and 18” cable included. CD Rom for programming.

Covert Info Sign

Height: 4"
Weight: 20"
Depth: 2.5"

Product Specifications

- Available colours: A-Amber, R-Red
- CPL (Characters/Line): 8
- LED rating: 100,000 hrs
- External mount: Yes
- Programmable messages: 80
- Text messaging: Yes
- symbols: Yes
- Fixed message: Yes
- Scrolling message: Yes
- Arrow message: Yes
**Arrowbars**

**Arrowbars to suit a wide range of applications**
Traffic direction at the touch of a button with sizes ranging from 965mm (38") to 1194mm (47")

**Trafficmaster**
- **Height:** 69.85mm
- **Length:** 1066.8mm

**ArrowStik®**
- **Height:** 68mm
- **Length:** 973/1195mm
- **Depth:** 110mm
- **Weight:** 6kg

**ArrowStik® Options**
- 0ASB-C: Standard ArrowStik® controller 12v or 24v
- 0ASD-C: Deluxe ArrowStik® controller 12v or 24v

**Spare Parts**
- 550930: 28v 32v for A5839-847

**Quick Release Connectors**
- A gasket provides a seal between the housing and the vehicle roof.
- Connector assembly includes a rubber boot, which provides a watertight seal over the connectors once attached, and a plastic loom, which protects the wires entering a lightbar.
- Connector housing is permanently mounted to the roof of the vehicle with four screws and protects the female end of the 23 pin connector.
- Allows you to separate a vehicle’s lightbar from its cable with a quarter turn of the connector.

**Roof Mount Kits**
- One of the strongest lightbar roof mounting kits available.
- Fully adjustable so the plane of the lightbar can be changed through all critical angles.
- Universal fit.
- Secures allen key locking nuts.
- Allows for various roof contours.

**Arrowbars to suit a wide range of applications**

**Trafficmaster**
- **Height:** 69.85mm
- **Length:** 1066.8mm

**ArrowStik®**
- **Height:** 68mm
- **Length:** 973/1195mm
- **Depth:** 110mm
- **Weight:** 6kg

**ArrowStik® Options**
- 0ASB-C: Standard ArrowStik® controller 12v or 24v
- 0ASD-C: Deluxe ArrowStik® controller 12v or 24v

**Spare Parts**
- 550930: 28v 32v for A5839-847
Beacons

**LED beacons**

**Beacons**

**360° LED Beacon**
- **Height:** 130mm (5”)
- **Width:** 290mm (11.4”)

- **Dual Voltage**
- **30 Flash Patterns**
- **Clear lens coloured LEDs**
- **Upward Lighting**
- **360 degree Vertical and Horizontal Coverage**
- **Bolt or Magnetic Mount**
- **Reg 65 Class 1 Blue option**

**390 Series**

**Flexible fixing including single bolt, three bolt, magnetic and plug-in**

- **Compact but powerful halogen rotating beacon**
- **UV stabilised polycarbonate lens**
- **Lens colour: amber, blue, E blue, clear, green, red**
- **Single voltage application:** 12V rotator 4.5amps @ 55watts
- **24V rotator 3 amps @ 70watts**
- **Rotation speed 160/min standard**
- **Reg 65 Class 1 Blue and Amber option**
- **Chapter 8 Amber option**

**390 Three bolt fixing**
- **Popular Models**
  - 390.00 Amber
  - 390.01 Blue
  - 390.02 Red

**390 Magnetic Mount**
- **Popular Models**
  - 394.70 Amber
  - 394.71 Blue
  - 394.72 Red

**391 Single bolt fixing**
- **Popular Models**
  - 391.00 Amber
  - 391.01 Blue
  - 391.02 Red

**392 Plug-in bolt fixing**
- **Popular Models**
  - 392.00 Amber
  - 392.01 Blue
  - 392.02 Red

**394 Magnetic Mount**
- **Popular Models**
  - 394.70 Amber
  - 394.71 Blue
  - 394.72 Red

**Spare Parts for 390 series**
- 802521 Amber lens
- 802534 Blue lens
- 802547 Red lens
- 550100 12V 55w H1 halogen bulb
- 550200 24V 70w H1 halogen bulb

**Lens & Voltage Options**
- **Lens colours:** Amber, Blue, Red
- **Single voltage application:** 12V or 24V
- **12V rotator:** 4.5amps @ 55watts
- **24V rotator:** 3 amps @ 70watts

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**390 Series**

- **Diameter:** 149mm
- **Height:** 236mm
- **Weight:** 0.8kg

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**390 Three bolt fixing**

- **Diameter:** 153mm
- **Height:** 165mm
- **Weight:** 0.77kg

---

**390 Magnetic Mount**

- **Diameter:** 149mm
- **Height:** 206mm
- **Weight:** 0.77kg

---

**391 Single bolt fixing**

- **Diameter:** 149mm
- **Height:** 285mm
- **Weight:** 1.27kg

---

**394 Magnetic Mount**

- **Diameter:** 149mm
- **Height:** 285mm
- **Weight:** 1.27kg
Beacons

Halogen rotating beacons

Optic Beacons

LAMPS AND LIGHTING

Low profile dimensions

Height: 127mm

Diameter: 147mm

High profile dimensions

Height: 178mm

Diameter: 147mm

Rotating Beacon

12Volt

1084-H-12-A Three bolt fixing
1084BM-H-12-A Single bolt fixing
1084M-H-12-A Magnetic mount
1086-H-12-A Three bolt fixing
1086BM-H-12-A Single bolt fixing
1086M-H-12-A Magnetic mount

24Volt

1084-H-24-A Three bolt fixing
1084BM-H-24-A Single bolt fixing
1084M-H-24-A Magnetic mount
1086-H-24-A Three bolt fixing
1086BM-H-24-A Single bolt fixing
1086M-H-24-A Magnetic mount

880 Three bolt fixing
(available in 12V or 24V)

Diameter: 158mm
Height: 108mm
Weight: 0.4kg

B21 Single Bolt Fixing

Popular Models
B21.00.12V
B21.00.24V

Spare Parts
10514.00 Amber Lens, Polycarbonate
H448 12V (55w) Halogen Bulb
H466 24V (70w) Halogen Bulb
27031 Bulb retaining clip

880M Magnetic Mounts
(available in 12V or 24V)

Diameter: 158mm
Height: 132mm
Weight: 0.8kg

B24.70 Magnetic Mount

Popular Models
B24.70.12V
B24.70.24V

Spare Parts
10514.00 Amber Lens, Polycarbonate
H448 12V (55w) Halogen Bulb
H466 24V (70w) Halogen Bulb
27031 Bulb retaining clip

Low profile dimensions

Height: 127mm

Diameter: 147mm

Spare Parts for 880 series

301902 Amber lens
301901 Blue lens
301902-E E blue lens
301900 Clear lens
301905 Green lens
301903 Red lens
103800 Lens clip
900010 12v rotator assembly
901001 24v rotator assembly
550100 12v/55w H1 bulb
550200 24v/70w H1 bulb

Not Approved to Regulation EC65

Reg 65, Class 1 approved
Chapter 8 Amber option
Beacons

Strobe Beacons
For dual voltage applications 12v & 24v

290 Three bolt fixing
- Popular Models
  - 290.00 Amber
  - 290.01 Blue
  - 290.02 Red

Less than 1amp current draw

294 Magnetic Mount
- Popular Models
  - 294.00 Amber
  - 294.02 Red

Less than 1amp current draw

Multi Voltage Strobe Beacon

470 Two bolt fixing
- Popular Models
  - 4705-A Amber
  - 4705-B Blue
  - 4705-C Clear
  - 4705-G Green
  - 4705-R Red

Spare Parts
- 801808 Amber lens
- 801806 Blue lens
- 801809 Clear lens
- 801805 Green lens
- 801807 Red lens
- 559810 5005 strobe tube

Diameter: 76mm
Height: 127mm
Weight: 0.28kg

Low profile dimensions
- Height: 117.5mm
- Diameter: 161.4mm

High profile dimensions
- Height: 166.7mm
- Diameter: 161.4mm

1204 Three bolt fixing
- Popular Models
  - 1204-S-12-A 12v Amber
  - 1204-S-12-B 12v Blue
  - 1204-S-12-R 12v Red
  - 1204-S-24-A 24v Amber

12054 Single bolt mount
- Popular Models
  - 12054B Blue
  - 12054R Red
  - 12054G Green

Compact and powerful single flash strobe
60 to 80 flashes per minute
Suitable for battery powered vehicle
Voltage range 12-80V DC
470 AC operates at 120V AC
Lamp colour: Amber, blue, clear, green, red
Low consumption 0.1 - 0.4 amps

1206 Three bolt fixing
- Popular Models
  - 1206-S-12-A 12v Amber
  - 1206-S-12-B 12v Blue
  - 1206-S-12-R 12v Red
  - 1206-S-24-A 24v Amber

12056 Single bolt fixing
- Popular Models
  - 12056B Blue
  - 12056R Red
  - 12056G Green

Low Profile Strobe Beacons
- 160 flash per minute high intensity double flash strobe beacon
- UV stabilised polycarbonate Fresnel lens
- Lens colour: Amber, blue, clear, green, red
- Single voltage applications: 12v strobe head – 1.6amps
  24v strobe head – 0.8amps
- All beacons polarity protected and have RFI suppression
- Available in 12 or 24 volt

1204BM Single bolt fixing
- Popular Models
  - 1204BM-S-12-A 12v Amber
  - 1204BM-S-12-B 12v Blue
  - 1204BM-S-12-R 12v Red
  - 1204BM-S-24-A 24v Amber

1205M4 Magnetic Mount
- Popular Models
  - 1205M4B Blue
  - 1205M4R Red
  - 1205M4G Green

1206BM Single bolt fixing
- Popular Models
  - 1206BM-S-12-A 12v Amber
  - 1206BM-S-12-B 12v Blue
  - 1206BM-S-12-R 12v Red

1206M Magnetic mount
- Popular Models
  - 1206M-S-12-A 12v Amber
  - 1206M-S-12-B 12v Blue
  - 1206M-S-12-R 12v Red

Weight 1.0kg

12054M4 Magnetic Mount
- Popular Models
  - 12054M4B Blue
  - 12054M4R Red
  - 12054M4G Green

Not Approved to Regulation ECE65

12056M Magnetic mount
- Popular Models
  - 12056M-S-12-A 12v Amber
  - 12056M-S-12-B 12v Blue
  - 12056M-S-12-R 12v Red

Not Approved to Regulation ECE65
Directional Lighting

LED's the Future

Benefits:
- Low energy draw giving minimal drain on vehicle battery
- 'Fit & Forget': No bulbs to change
- Totally sealed against water and dust ingress
- 100,000 hours service life
- 5 year warranty on LED's
- Ideal for covert and directional lighting

Available options

Double LEDX

- Generation 3 LED
- 7 Integral flash patterns
- No flasher unit
- Less than 1amp draw
- Also available in 24v

Popular Models
LXEXF-AA Double head alum. base Amber/ Amber
LXEXF-AB Double head alum. base Amber/ Blue
LXEXF-AR Double head alum. base Amber/ Red
LXEXF-RR Double head alum. base Red/ Red
LXEXF-RR Double head black base Amber/ Amber
LXEXF-AB Double head black base Amber/ Blue
LXEXF-AR Double head black base Amber/ Red
LXEXF-RR Double head black base Blue/ Blue
LXEXF-RR Double head black base Blue/ Red
LXEXF-RR Double head black base Red/ Red

LEDX Mounting Options

- MK504.000 90 Degree Bracket
- MK667.000 Rubber Flush Mount Housing

XT3 LED

- 12 Built in Flash Patterns
- Directional Optics
- Synchronisable Flash Patterns
- Clear Lens, Coloured LED's
- Dual Voltage
- Shock and Water Resistant
- Rated 100,000 hours life

Popular Models
LS04.001 Blue
LS04.002 Red
LS04.003 Amber
LS04.004 Green
LS04.005 White

Mounting Options
MS04.000 90 Degree Bracket
MS067.000 Rubber Rush Mount Housing

The slimline, low weight nature of LED's opens up a wide range of design and installation opportunities for all types of vehicle.

The high intensity of LED light is an added bonus for the emergency utility services, as it increases the warning of a hazard to other road users.

LAMPS AND LIGHTING

The slimline, low weight nature of LED's opens up a wide range of design and installation opportunities for all types of vehicle.

The high intensity of LED light is an added bonus for the emergency utility services, as it increases the warning of a hazard to other road users.
### Directional Lighting

**LED's the Future**

#### XT4 LED
- Dual Colour
- 22 Flash Patterns
- Synchronisable Flash Patterns
- Left/Right 2 LED Flash Patterns
- Internal and External use
- Shock and Water Resistant
- Clear Lens with Coloured LEDs

**Popular Models**
- LL723-000 Red/Red
- LL723-001 Red/Blue
- LL723-002 Blue/Blue
- LL723-003 Blue/White
- LL723-004 Amber/Amber
- LL723-005 White/White

#### XT6 LED's
- 22 Built in Flash Patterns
- Directional Optics
- Clear Lens with Coloured LEDs
- Dual Voltage
- Shock and Water Resistant
- Rated 100,000 hours life
- Synchronisable Flash Patterns

**Popular Models**
- LL723-010 Red/Red
- LL723-011 Red/Blue
- LL723-012 Blue/Blue
- LL723-013 Blue/White
- LL723-014 Amber/Amber
- LL723-015 White/White

#### XtraLite 6 LED
- Wide Angle Optics
- 19 flash patterns
- Left/Right flashing
- Multi module synchronisation
- Internal or external mounting
- Dual voltage

**Popular Models**
- LL688.011 Blue
- LL688.012 Red
- LL688.013 White
- LL688.014 Amber
- LL688.015 Blue/Amber
- LL688.016 White/Amber

#### Dual Colour XtraLite 6 LED
- Dual Colour
- 19 flash patterns
- Left/Right flashing
- Multi module synchronisation
- Internal or external mounting
- Dual voltage

**Popular Models**
- LL688.030 Blue/Red
- LL688.031 Red/Amber

#### XtraLite 9 LED
- Wide Angle Optics
- 19 flash patterns
- Left/Right flashing
- Internal or external mounting
- Dual voltage

**Popular Models**
- LL688.021 Blue
- LL688.022 Red

#### Perimeter Light
- 20 flash patterns including WIG-WAG patterns
- Low amp draw
- Impervious to vibration
- Unique triple stack housing available
- 7" x 3" / 76.2mm x 177.8mm
- Dual voltage

**Popular Models**
- CI-45 AH Amber
- CI-45 BZA Bezel, Amber
- CI-45 AR Red
- CI-45 BZR Bezel, Red
- CI-45 W White
- CI-45 BW Bezel, White
- CI-45 B Blue
- CI-45 BW Bezel, Blue

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**Dimensions**
- 25mm
- 33mm
- 157.5mm
- 114.8mm
- 126mm
- 52mm
- 23.76mm
- 148mm
- 47mm

**LAMPS AND LIGHTING**

**LAMPS AND LIGHTING**

**Dimensions**
- 0.5mm
- 0.8mm
- 0.8mm
- 1.0mm
- 1.0mm
- 1.0mm
- 1.0mm
- 1.0mm
### Perimeter Light
- 20 flash patterns including WIG-WAG patterns
- Low amp draw
- Impervious to vibration
- Unique triple stack housing available
- 6" x 4" / 101.6mm x 152.4mm
- Dual voltage

#### Popular Models
- C3-65 AH Amber
- C3-65 BZA Bezel, Amber
- C3-65 R Red
- C3-65 RZ Red
- C3-65 W White (includes option for steady burn reverse light)
- C3-65 WZW White (includes option for steady burn reverse light)
- C3-65 B Blue
- C3-65 BZB Bezel, Blue

### Stiletto LED
- 12 LEDs
- 75 Flash per minute pattern
- Simple 2 wire connection
- Adjustable positioning
- Internal mount only

#### Popular Models
- LL636.000 Blue/Blue
- LL636.001 Red/Red

### TriLite LED
- 3 Head LED
- 12 flash patterns
- Dual voltage
- Multi module synchronisation
- Internal or external mounting

#### Popular Models
- LL688.001 Blue
- LL688.002 Red
- LL688.003 White

### Slimline LED
- 12 Built in Flash Patterns
- Synchronizable Flash Patterns
- Slimline for surface mounting
- Dual Voltage
- Clear lens coloured LED's

#### Popular Models
- LL600-001 Blue
- LL600-002 Red
- LL600-003 White
### Directional Lighting

#### R43 Heads

**Mounting Options**
- R43-BMF: Bumper mount housing polished
- R43-BMF/S: Bumper mount housing matt finish
- R43-DRMF: Deep surface mount polished
- R43-PMF: Recess mount polished
- R43-SMF: Surface mount polished
- R43-TSMF: 15º surface mount polished

**Extended lens design**
- Colours: Amber, blue, green, red & clear
- Voltage: 12v or 24v
- Halogen only
- Current draw: 12v 2.25amp, 24v 1amp

**Spare Parts**
- 308352 amber lens
- 308351 blue lens
- 308350 clear lens
- 308354 green lens
- 308353 red lens
- 550905 12v 35watt bulb (for coloured lamp)
- 550907 12v 20watt bulb (for clear lamp)
- 550906 24v 20watt bulb (for coloured lamp)

**Popular Models**
- R43-H-12-A halogen, 12v, amber
- R43-H-12-B halogen, 12v, blue
- R43-H-12-R halogen, 12v, red

#### R431 Heads

**Mounting Options**
- Moulded housing
- Colours: Amber, blue, green, red & clear
- Voltage: 12v or 24v
- Universal mount

**Spare Parts**
- 820919 R431 amber lens
- 820923 R431 blue lens
- 820918 R431 clear lens
- 820920 R431 green lens
- 820921 R431 red lens
- 820916 strobe tube – ETRTXCP

**Popular Models**
- R431-S-A strobe, amber
- R431-S-B strobe, blue
- R431-S-R strobe, red
- R431-H-24-A Amber

#### PSE40 Heads

**Popular Models**
- 41-H-A*: halogen, amber
- 41-H-B*: halogen, blue
- 41H2B*: halogen, blue c/w bezel
- 40-S-A: strobe, amber
- 40-S-B: strobe, blue
- 40H2S-B: strobe, blue c/w bezel

**Spare Parts**
- 830028 amber lens
- 830030 blue lens
- 830280 green lens
- 830284 red lens
- 830284 green lens
- 550926 12v 35watt halogen bulb
- 550912 12v 24v 50watt halogen bulb
- 550924 Helix bezel and lock strobe tube

**Other tilt lens options available**
- Chrome coated bezel available
- Colour: Clear
- Voltage: 12v
- 13º or 26º internal tilt lenses provide a worklight without the need for angled mounts

**Popular Models**
- 41-26-H-12-C halogen, 12v, clear, 26º
- 41Z26-H-12-C halogen, 12v, clear, 26º c/w bezel
- 41-26-H-24-C halogen, 24v, clear, 26º
- 41Z26-H-24-C halogen, 24v, clear, 26º c/w bezel

#### R602 Scene Light

**Mounting Options**
- Intrinsically Safe
- Colour: Clear
- Voltage: 12v or 24v

**Spare Parts**
- 306108-C Clear lens
- 306106W White backing
- 550900 12v 55watt H3 halogen bulb
- 550900 24v 70watt H3 halogen bulb
- 550173 Spot lamp housing without bulb
- 550174 Flood lamp housing without bulb
- 553401 Strobe sealed beam Re35

**Popular Models**
- R602-H-A-12-C halogen, 12v, clear
- R602-H-24-C halogen, 24v, clear
- R602-15 15º plinth
- R602-S strobe head

**Other mounting options available**
- 3015: 15º angled surface mount
- 3016: Full recess mount
- Other mounting options available

#### PSE40 Scene Light

**Popular Models**
- 41-H-26-C halogen, 12v, clear
- 41Z26-H-12-C halogen, 12v, clear, 26º c/w bezel
- 41H26-C halogen, 24v, clear
- 41Z26-H-24-C halogen, 24v, clear, 26º c/w bezel

**Spare Parts**
- 830035 Clear lens
- 830354 Chrome coated bezel
- 550925 12v 50watt halogen bulb
- 550924 24v 50watt halogen bulb
- 553401 Strobe sealed beam Re35
- 550900 12v 55watt H3 halogen bulb
- 550900 24v 70watt H3 halogen bulb
- 550173 Spot lamp housing without bulb
- 550174 Flood lamp housing without bulb

**Other tilt lens options available**
- Chrome coated bezel available
- Colour: Clear
- Voltage: 12v
- 26º internal tilt lenses provide a worklight without the need for angled mounts

**Popular Models**
- 41-26-H-12-C halogen, 12v, clear, 26º
- 41Z26-H-12-C halogen, 12v, clear, 26º c/w bezel
- 41-26-H-24-C halogen, 24v, clear, 26º
- 41Z26-H-24-C halogen, 24v, clear, 26º c/w bezel

**Spare Parts**
- 830035 Clear lens
- 830354 Chrome coated bezel
- 550925 12v 50watt halogen bulb
- 550924 24v 50watt halogen bulb
- 553401 Strobe sealed beam Re35
- 550900 12v 55watt H3 halogen bulb
- 550900 24v 70watt H3 halogen bulb
- 550173 Spot lamp housing without bulb
- 550174 Flood lamp housing without bulb
- 553401 Strobe sealed beam Re35

**Other tilt lens options available**
- Chrome coated bezel available
- Colour: Clear
- Voltage: 12v
- 26º internal tilt lenses provide a worklight without the need for angled mounts

**Popular Models**
- 41-26-H-12-C halogen, 12v, clear, 26º
- 41Z26-H-12-C halogen, 12v, clear, 26º c/w bezel
- 41-26-H-24-C halogen, 24v, clear, 26º
- 41Z26-H-24-C halogen, 24v, clear, 26º c/w bezel

**Spare Parts**
- 830035 Clear lens
- 830354 Chrome coated bezel
- 550925 12v 50watt halogen bulb
- 550924 24v 50watt halogen bulb
- 553401 Strobe sealed beam Re35
- 550900 12v 55watt H3 halogen bulb
- 550900 24v 70watt H3 halogen bulb
- 550173 Spot lamp housing without bulb
- 550174 Flood lamp housing without bulb
- 553401 Strobe sealed beam Re35

**Other tilt lens options available**
- Chrome coated bezel available
- Colour: Clear
- Voltage: 12v
- 26º internal tilt lenses provide a worklight without the need for angled mounts

**Popular Models**
- 41-26-H-12-C halogen, 12v, clear, 26º
- 41Z26-H-12-C halogen, 12v, clear, 26º c/w bezel
- 41-26-H-24-C halogen, 24v, clear, 26º
- 41Z26-H-24-C halogen, 24v, clear, 26º c/w bezel

**Spare Parts**
- 830035 Clear lens
- 830354 Chrome coated bezel
- 550925 12v 50watt halogen bulb
- 550924 24v 50watt halogen bulb
- 553401 Strobe sealed beam Re35
- 550900 12v 55watt H3 halogen bulb
- 550900 24v 70watt H3 halogen bulb
- 550173 Spot lamp housing without bulb
- 550174 Flood lamp housing without bulb
- 553401 Strobe sealed beam Re35

**Other tilt lens options available**
- Chrome coated bezel available
- Colour: Clear
- Voltage: 12v
- 26º internal tilt lenses provide a worklight without the need for angled mounts
Covert Lighting

**Ghost LED**

- Light Sync Technology
- 6 generation 3 LEDs per module
- Moisture and Vibration resistant
- Internal and External mounting
- 33 Flash patterns
- High intensity light output
- Dual Voltage

**Dimensions**

![Dimensions Image]

**Popular Models**

- LL758-000 Blue/White
- LL758-001 Blue/Blue
- LL758-002 Amber/Amber
- LL758-003 Green/Green
- LL758-004 Red/Red
- LL758-005 White/White
- LL758-006 Red/Blue

**Hide a Blast LED’s**

- 30 Built in Flash Patterns
- 9 LEDs
- Vertical or Horizontal mounting
- Self contained control module
- Mounts in 1” hole same as strobe tube
- Universal fit
- 15 foot cable

**Popular Models**

- LL702.100 Blue
- LL702.101 Red
- LL702.102 White

**Hide Away LEDs**

- 70 flashes per minute minimum.
- Fast rate is 100 flashes per minute.
- 12v DC, 1 amp maximum.
- “T” LED module to provide spectacular warning signal.
- Virtually maintenance free - rugged and reliable LED performance.
- Nearly impossible to detect in side markers or tail lights until activated.

**Features**

- Flashe is potted for weather protection and suitable for trunk or underhood mounting.
- Up to 15 user-selectable flash patterns.
- Designed to be installed in rear light doublers without need to cut into existing wiring.
- No need to remove existing bulbs ideal for covert and overt.

**Dimensions**

![Dimensions Image]
Covert Lighting

Covert Equipment

Work Lights and Search Lights

The Scanlite Range of search lights offer outstanding lighting performance. Each unit is fitted with a sealed beam halogen bulb, a damage free clutch mechanism and long life gear assembly. The control panel is supplied with 4.5m of cable.

Titan Dash Mount LED

- Synchronised Flash Patterns
- Adjustable Mounting Feet
- Internal or External Mounting
- Dual Voltage
- Shock and Water Resistant
- Clear Lens with Coloured LEDs

XT302 LED

- Synchronised Flash Patterns
- Adjustable Mounting Feet
- Internal or External Mounting
- Dual Voltage
- Shock and Water Resistant
- Clear Lens with Coloured LEDs

Dimensions:
- 50.8mm
- 190.5mm
- 57.15mm

Popular Models
- LL18.001 Blue

XT304 LED

- Synchronised Flash Patterns
- Adjustable Mounting Feet
- Internal or External Mounting
- Dual Voltage
- Shock and Water Resistant
- Clear Lens with Coloured LEDs

Dimensions:
- 50.8mm
- 355.6mm
- 57.15mm

Popular Models
- LL19.000 Blue/Blue
- LL19.002 Red/Blue
- LL19.003 Red/Red
- LL19.004 Amber/Amber

135SL Spot/Floodlight

- 12v
- 24v
- 100,000 Candlepower
- High impact polycarbonate case
- “Bulb only” vertical tilt

Specifications
- Horizontal sweep 360º
- Vertical sweep 75º
- Voltage: 12v & 24v
- Wattage: 100w Spot, 50w Flood
- Amp draw: 8amps

Part Numbers:
- 135SL-12 12v
- 135SL-24 24v

Nightprobe

- 360 degree horizontal rotation
- 180 degree vertical rotation
- All weather universal mounting bracket
- Flexible mounting options with no holes
- 184.15mm wide x 304.8mm Deep
- 101.6mm high when lamp down

Part Number
- C3-NP130

Remote Control Spotlight

- Radio remote control worklamp offering complete horizontal and vertical rotation
- Incline up and down at approximately 260 degrees
- Joy stick control enabling simultaneous horizontal and vertical movement
- Automatic resetting
- Remote control working on European Frequency 433.02mhz
- Functional up to 100m in open space
- Special clip on support for installation in vehicle

Part Numbers
- 05.0885

Spare Parts
- 118549.00 Lens assembly, Flood
- 118548.01 Lens assembly, Spot
- H453 12V bulb x2
- H460 24V bulb x2

L17

- 17.00 LB Rood
- 17.100 LB Spot
- Impact & heat resistant polypropylene housing
- Polycarbonate lens
- Bulb not included

Part Numbers
- 118543.00 Lens assembly, Rood
- 118542.01 Lens assembly, Spot
- H453 12V bulb x2
- H460 24V bulb x2
Work Lights & Search Lights

**2990F Floodlight / 2990S Spotlight**
- Impact & heat resistant polypropylene housing
- Polycarbonate lens
- **Spare Parts**
  - 550800 H3 12v Bulb
  - 550900 H3 24v bulb

**Dimensions**
- Height: 230mm
- Width: 178mm
- Depth: 85mm

**2994F Floodlight**
- Impact & heat resistant polypropylene housing
- Polycarbonate lens
- **Spare Parts**
  - 550800 H3 12v Bulb
  - 550900 H3 24v bulb

**Dimensions**
- Height: 230mm
- Width: 178mm
- Depth: 85mm

**7004 Remote Mount Siren**
- Standard tones: Wail, Yelp, HyperYelp, Hi-Lo, Hyper Lo, Air Horn
- Requires separate switch panel
- Control Unit
  - Dimensions: 175mm x 86mm
  - Depth: 16mm

**7000 Series**
- More Durable for Continuous and Reliable Operation
- Amplifiers incorporate surface mount technology and MOSFET power amplifiers
- Reverse polarity protection – without blowing fuse
- Low volume siren test (7009, 7109)
- Siren interlock that will switch off siren if beacon fails
- Safety shutdown in case of over heating or short circuit due to speaker failure
- Fault indicator
- All sirens fitted with cooling fan except 6002
- Tones can be controlled through horn push
- Approved to Class 1 for Home Office VDO and can be programmed to any requirement or country specification

**Traffic Alert**
- **Control Unit**
  - Dimensions: 175mm x 86mm
  - Depth: 16mm

**Standards tones**
- Wail, Yelp, HyperYelp, Hi-Lo, Hyper Lo, Air Horn

**Additional Features**
- Standard tones: Wall, Yelp, HyperTip, Hi-Lo, Air Horn
- Record and playback facility
- Intended to drive two loudspeakers in parallel (200 watts)
- Serial control for lightbar, siren and auxiliary lighting
- ArrowStik® switch control 3999
- Automatic short circuit connection
- Handbrake input for both lighting & siren
- Timed output (‘C’ button)
- Plug-in microphone
- 100 watt rating

**Popular Models**
- 3997 Basic RLS Siren with ArrowStik® Control
- 3998 Basic RLS Siren without ArrowStik® Control
- 3999 Basic RLS Siren with ArrowStik® & Spotlight Control Built-in walk-around self testing function
- XTRAMPC2 Additional Amp for any of the above sirens
7000 Series

More Durable for Continuous and Reliable Operation

7006 Remote Mount Siren and PA

4 tone options remote mount amplifier
Full PK facility
Plug-in microphone with modular connections
Toggle button on microphone control stones

Width: 149mm Height: 48mm
Depth: 169mm Weight: 1.46kg
7006-12 12V 7006-24 24V
Standard tones: Wail, Yelp, Hi Lo, Air Horn

7007 Remote Mount Siren and PA

5 tone options remote mount amplifier
Full PK facility
Plug-in microphone with modular connections

Width: 149mm Height: 48mm
Depth: 169mm Weight: 1.46kg
7007-12 12V 7007-24 24V
Standard tones: Wail, Yelp, Hi Lo, Air Horn, Pulsar

Switch Panels for use with 7004 Sirens

- 502 Discreet toggle switch (2 tones)
- 504 Dash or flush mount rocker switch (2 tones)
- 509 Dash or flush mount rocker switches (3 tones)
- 509A Dash or flush mount rocker switches with additional Air horn button (3 tones)

7009 Dash Mount Siren and PA

5 tone options dash mount amplifier
Full PK facility with plug-in microphone
Radio re-broadcast
Volume control
Manual and Air horn button
Tones can be controlled through horn push

Width: 149mm Height: 48mm
Depth: 140mm Weight: 1.76kg
7009-12 12V 7009-24 24V
Standard tones: Wail, Yelp, Hi Lo, Air Horn, Pulsar

7109 Dash Mount Siren and PA

5 tone options dash mount amplifier
Full PK facility with plug-in microphone
Three position switch for lightbar control
Radio re-broadcast
Volume control
Manual and Air horn button
Tones can be controlled through horn push

Width: 149mm Height: 48mm
Depth: 140mm Weight: 1.76kg
7109-12 12V 7109-24 24V
Standard tones: Wail, Yelp, Hi Lo, Air Horn, Pulsar

Back Board installation
8000 Series Siren

The 8000 series is a modular approach to siren & lightbar control.

8000 Series

Power module
Dimensions: 208mm x 163mm
Depth: 47mm
Weight: 800g

All amplifiers

Features:
- Standby current meets automotive standard of less than 0.3 milliamps.
- Low current Master Switch.
- Custom designed heat sink assembly.
- All models can drive x 100 Watt loudspeakers over full temperature range.
- Siren Running Output with current monitor facility.
- Battery voltage monitor and shutdown.
- Output power reduction to reduce power to loudspeaker.
- High speed fan with controller.
- Self resetting circuit fuses.
- Radar short circuit performance.
- More robust construction.
- Relay output.
- Sidelights input.

Benefits:
- Will not flatten battery even over extended periods.
- Economical switch can be used to disable system if desired.
- Superior performance in tropical conditions.
- Single model for standard (F) and High Power (H) applications.
- Connects directly to Data Logger where required.
- For added dependability output is only present when loudspeaker operational.
- Prevents operation of amplifier when battery voltage goes too high or too low.
- 12 volt amplifier will not be damaged if connected to 24 volts.
- Avoids damage to loudspeaker when voltage rises due to fault charge or in the event of regulator malfunction.
- Variable fan speed dependent on operating conditions.
- Reduced down time for maintenance.
- Greater protection for output transistors.
- Control of one external function with simple addition of one relay.

Basic amplifiers, 8004

Features:
- Run Input.

Amplifiers with audio facility, 8005

Features:
- Same amplifier for all applications.
- State of the art Digital Signal Processor (DSP).
- Digital audio amplifier.
- CANBUS.
- Noise cancelling electret condenser microphone.
- 20 second speed record facility.
- Two auxiliary audio inputs.

Benefits:
- Universally compatible with alternative switching systems.

Available with 7000/8000 amplifier conversion loom.

Reduced stock. Flexibility to change or add to system.

Low frequencies prevented which could damage loudspeaker.

Better sound reproduction.

Cleaner audio in Public Address mode under noisy conditions.

Standard in all amplifiers (use dependent on Control Panel).

Allows for multiple inputs on same application e.g. Broadcast Radio, Two way radio, MP3 player, Cassette player etc.

Voltage, temperature and fault information available on suitable Control Panel.

SIRENS AND SPEAKERS

Speakers

Speaker Cowls & Extension Kits

When ordering please note that the model numbers include the driver size and type of cowl e.g. P100-S is a P100 speaker with an S cowl.

C Concealed speaker cowl for mounting behind grille or bumper
F Flared speaker cowl for roof mounting
L Lightbar cowl for mounting in lightbars
M Medium cowl for compact applications
R Round cowl for roof, behind grille or motorcycle mounting.
S Rectangular cowl for roof or behind grille mounting

PA100-RB 100w chromed speaker roof mount 5.12kg
PA100-L 100w Slimline speaker and cowl 5kg

PA100-A

PA100-F

PA100-R

PA100-L

Fitting Options

90º Bracket

Dual Bracket

TECHNICAL SPECIFICATION OF AMPLIMAX SIRENS

Voltage: 12v-11 to 16v DC or 24v-22 to 32v DC

Outputs: Standard 60w/100w 1 to 11 Ohm Loudspeaker
High power 200w 2 to 11 Ohm Loudspeaker (7000 Series)
Power at 12v: 5.8A-60w, 10A-100w, 20A-200w

Oper Tamps: -30 ºC to +50 ºC

Audio
- Frequency range: 300 to 10,000 Hz
- Distortion (300 to 3,000) less than 5%
- RA: Output regulated to 60w
- Radio input impedance: 3.2 to 2,000 Ohms
- Microphone: Electronic microphone

Spare Part:
6000 to 7000 Conversion Loom: Part Number 507147

Standard Frequency Ranges: Cycle Rate
Wall 500 to 1800Hz: 11/min
2100 to 2600Hz: 7/min
Hi to 670 to 1100Hz: 35/min
Puls 500 to 1800Hz: 650/min

Available with 7000/8000 amplifier conversion loom.

Reduced stock. Flexibility to change or add to system.

Low frequencies prevented which could damage loudspeaker.

Better sound reproduction.

Cleaner audio in Public Address mode under noisy conditions.

Standard in all amplifiers (use dependent on Control Panel).

Allows for multiple inputs on same application e.g. Broadcast Radio, Two way radio, MP3 player, Cassette player etc.

Voltage, temperature and fault information available on suitable Control Panel.
The kit comprises of:
- Handset
- Rear control box
- Control box connectors
- Curly cord
- 6 way extension cord
- 6 way handset interface
- Detailed instruction leaflet

The ultimate solution for all vehicles

STC & MTC Controllers

Multitouch Controller

- High power switching, no extra fuses and relays required for outputs
- All output fuses on back unit for easy maintenance. LED status indicator for fault finding on each output
- Small size for backboard installation
- Plug and play system for ease of use
- Unit integrates with 8000 siren system
- Lockable programming at installation stage stops programming being changed in vehicle
- Built-in arrowbar controller on larger version saving time on installation. No extra controller to fit
- Selectable audible warning to indicate output(s) enabled
- Non-damaging mounting bracket for easy installation

Speedtouch Controller

- Built in microphone
- Large positive action keys
- Back lit
- Automatic light sensor
- Universal mounting bracket
- Polarity protection with LED indicators
- Fused output

Example of Back Board Layout
Switching

CONTROLLERS AND SWITCHING

Flasher Units

AUXILIARY ITEMS

Unity Switch Panel and Control Box

- Vehicle specific faceplates available
- 6 Backlit push switches with variable legends
- Variable flash patterns via integral flasher unit
- 6 Relays with minimum 25 amp rating
- Alternating/pulsing circuit with two outputs for headlights

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>41mm</td>
<td>123mm</td>
<td>39mm</td>
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316
6 Function switch panel

<table>
<thead>
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<th>Height</th>
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<th>Depth</th>
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</thead>
<tbody>
<tr>
<td>51mm</td>
<td>51mm</td>
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</tbody>
</table>

302
1 Function switch panel

303
Function switch panel

Standard switches do not require EMC approval

688-P
8 Function 12v switch panel
12v positive switching. Integral fuses
- Compact & lightweight
- Easy to locate recessed switches
- Backlit for night time use
- LED’s indicate which function is selected
- Suitable for low current switching

<table>
<thead>
<tr>
<th>Height</th>
<th>Weight</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm</td>
<td>77mm</td>
<td>25mm</td>
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</table>

620 Flasher Unit

The following units can be used to control directional lights, headlights, fog lights etc. or a combination. (e.g. Headlights and a pair of grille lights).

Popular Models

620-101
Electronic alternating flasher 2 x 10 amps (max). Dual Voltage

620-102
Electronic headlight pulsating flasher 1 x 10 amps (max). Dual Voltage

620-103
Electronic headlight alternating flasher unit. 12v or 24v

620-103K
Electronic headlight alternating flasher kit, includes relays. 12v or 24v

620-103KI
Electronic headlight alternating flasher kit, includes relays and a side light override. 12v or 24v

620-105
Electronic headlight alternating flasher and one set of auxiliary alternating outputs. 12v only

620-108
Electronic alternating flasher with steady override, can be used on fog lights. 12v only

620-109
Electronic headlight pulsating flasher, includes a set of auxiliary alternating outputs and a side light override. 12v only

562506-12v
30A Changeover relay

Solid State Flasher Units

Popular Models

ETAF08-12P
Solid state alternating flasher unit 2 x 8 amps (max). 12v only

ETAF08-24P
Solid state alternating flasher unit 2 x 8 amps (max). 24v only

ETAF15-12P
Solid state alternating flasher unit 2 x 15 amps (max). 12v only. To suit four lamps

ETAF15-24P
Solid state alternating flasher unit 2 x 15 amps (max). 24v. To suit four lamps

700
Solid state alternating flasher unit 2 x 8 amps (max) 12v or 24v

710
Solid state alternating flasher unit 2 x 8 amps (max) 12v or 24v. Programmed with various flash patterns

711
Solid state alternating flasher unit 2 x 8 amps (max) 12v or 24v

More varied flash patterns available
Strobe Power Supplies

Strobe power supplies carry a two-year warranty and feature polarity protection, continuous duty circuitry, RFI filters to protect against radio interference and are vibration resistant.

All units are potted for improved durability.

### AUXILIARY ITEMS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>RL001 Run Lock</th>
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<tbody>
<tr>
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<tr>
<td>3 Output</td>
<td>Yes</td>
</tr>
<tr>
<td>LED Run Lock activated light</td>
<td>Yes</td>
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<tr>
<td>Handbrake warning switch</td>
<td>Yes</td>
</tr>
<tr>
<td>Internal Relay</td>
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</table>

### Flash Patterns

**Double Flash**
The standard double flash pattern used by emergency services throughout the world.

**Four Flash**
An attention catching powerful 4 flash pattern that is more distinctive than the standard double flash.

**Warp Flash**
Super Flash has an outstanding flash rate of 700 flashes per minute to produce the ultimate warning pattern.

### Outputs

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<tr>
<th>Power (watts)</th>
<th>40</th>
<th>60</th>
<th>75</th>
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<tr>
<td>High/Low Intensity</td>
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<td>Yes</td>
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<td>Double Flash</td>
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<td>Double Flash</td>
<td>Double Flash</td>
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<tr>
<td>Flash rate cycles/min</td>
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<td>235</td>
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<td>235</td>
<td>235</td>
<td>225 single, 320 double</td>
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<td>N/A</td>
<td>N/A</td>
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### Part Number

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<td>Double Flash</td>
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<td>Double Flash</td>
<td>Double Flash</td>
</tr>
<tr>
<td>Flash rate cycles/min</td>
<td>N/A</td>
<td>235</td>
<td>235</td>
<td>235</td>
<td>235</td>
<td>235</td>
<td>225 single, 320 double</td>
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<tr>
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<tr>
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<td>2.25</td>
<td>2.25</td>
<td>2.25</td>
<td>2.1</td>
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Introducing mobile CCTV systems from Premier Hazard. Including the 360º pan and tilt Dome Camera Bar and the fixed camera systems, for mounting inside a vehicle. Both bring distinct advantages, the choice enabling emergency services, utilities and security services to specify and fit a system that meets their exact requirements.

The fully functional 360º pan and tilt Dome Camera Bar has been integrated into a vehicle’s roof mounted lightbar. The 360º Dome Camera bar provides security and emergency services with high performance all round surveillance, with the added safety benefit of leaving the dash and windscreens uncluttered.

The micro Zoom Camera is the latest generation video camera. Compact in design, it fits neatly behind the rear-view mirror and measures only 85mm x 50mm x 50mm - and with its compact size, the Zoom Camera comfortably fulfils the requirements of VOSA by allowing unimpeded vision through the swept area of the windscreen.

Additionally, the unique rear-view mirror monitor available as part of the mobile CCTV system is specifically designed to work in conjunction with the Zoom Camera. Incorporating a 4 inch TFT LCD, the mirror monitor delivers high definition video pictures to the operator and with its dual function design, keeps the dashboard area uncluttered and free from unnecessary equipment intrusion.

Depending on performance required, the same Zoom Camera can be alternatively mounted to the rear screen, the picture being transmitted to the rear-view mirror monitor and available by simply switching cameras ‘channel’. Various camera specifications are available. For example, operators requiring a fixed focal length camera, to act as a simple vehicle reversing aid, can opt for a camera system tailored to meet that requirement.

Video data can be readily downloaded from the hard drive onto compact flash card, on-board pc or separate laptop. By specifying an alternative to the existing micro DVR, operators can also transmit ‘live’ pictures and video to a remote location via 3G.

Using the compact joystick, the operator has complete control of what the Dome Camera sees - when it sees it. The pan and tilt functions can be operated at speeds of between 17 and 30º per second, allowing you to monitor your target with unrivalled accuracy. In addition, the 26:1 optical zoom and 12 x digital zoom lens offers an image far beyond the capability of most standard CCTV packages.

Crowd monitoring, covert surveillance, incident recording or as a health and safety tool: whatever the situation, you can rely on the 360º pan and tilt Dome Camera to do its job.

### Dome Camera Lightbar

#### Specifications

| **Mechanical** | Tilt Angle 12º below and 45º above horizontal |
| Drift Method Belt/direct drive DC motor |
| **Construction** | Top cover ABS/Acrylic |
| Mounting Type Light Bar only |
| Cabling Pre-wired |
| **Comms.** | Telemetry Type RS485 twisted pair |
| **Dome Speed** | Variable Speed 3 axis |
| **Finish** | Standard Black Finish |
| **Camera** | Video Format-PAL |
| **Sensitivity** | 0.05 lux Mono |
| **Horizontal Resolution** | 460TVL |
| **Effective/Total Pixels** | 740k |
| **Shutter Speed** | Auto 1/3 > 1/10k |
| **Image Sensor Format** | 1/4” CCD |
| **Lens** | F1.6 to F=3.8 |
| **Zoom Ratio (optical)** | 26:1 (optical) |
| **Digital zoom** | 12x |
| **Focus** | Auto with manual override |
| **Iris** | Auto with manual override |
| **Gain** | Auto |
| **S/N Ratio** | >56dB |
| **Image Stabilisation** | 90%@10Hz |

Incorporating into the Optimax light bar, one of the most popular lightbars on the market. The pan and tilt 360º Dome Camera is suitable for use over a wide range of vehicles. The elevated light bar position affords it an uninterrupted 360º view.

Using the compact joystick, the operator has complete control of what the Dome Camera sees - when it sees it. The pan and tilt functions can be operated at speeds of between 17 and 30º per second, allowing you to monitor your target with unrivalled accuracy. In addition, the 26:1 optical zoom and 12 x digital zoom lens offers an image far beyond the capability of most standard CCTV packages.
3G DVR Unit

Mobile Video/CCTV Solutions

3G Digital Video Recording

3GMDVR is a robust video recording server designed for fleet security applications. By using the award-winning SMAC-M multi-streaming video compression technology, 3GMDVR delivers no compromise performance on simultaneous recording and transmission via a mobile network.

Features
- 4 video, 16 alarm inputs, 4 relay outputs.
- Recording up to 25/30fps on D1; 100/120fps on CIF resolution.
- Live monitoring via HSDPA, UMTS, EDGE and GPRS (require mobile data modem).
- Playback and video extraction via WiFi (require WiFi gateway).
- Fast detachment and shock protection design.

3GMDVR can continuously record videos of every single detail during the vehicle in service. By connecting 3GMDVR to a mobile data modem, the driver can push a button to trigger the 3GMDVR to send an alarm and seamless video back to the central monitoring station via mobile networks such as HSDPA, UMTS, EDGE or GPRS in an emergency situation. In conjunction to a WiFi gateway, the recorded data can be reviewed and extracted to the central storage server via a WiFi network after the vehicle returns back to the depot.

Traditional Video Coding Technology: M-JPEG, MPEG-4

SMAC-M: Multi-stream Video Coding Technology

Good quality recording requires high bit rate which results in poor remote performance. Fast remote transmission is achieved with very high compression rate which inevitably degrades the video recording quality. The bursty channels often affect recording performance.

To solve the conflict, SMAC-M is the first to provide independent multiple streams covering different bit rates. SMAC-M lets you view live video from Video Recording Servers and Network Cameras via LAN, ADSL, PSTN and mobile networks whilst recording in DVD quality on your local devices.

SMAC-M: Transmits 80% faster than H.264 on ADSL
Resolution: 720x576; Data Rate: 128kbps

H.264
- 5fps

SMAC-M
- 9fps

SMAC-M: Records 29% longer than H.264
Hard disk size: 1000GB; Resolution: 720x576; Rate: 25fps

H.264
- 22 days

SMAC-M
- 29 days

Remark: The above measurement is based on a set of standard videos. Actual recording size and transmission frame rate is subject to actual camera situation.
**DVR Unit**

Mobile Video/CCTV Solutions

**DVR High Capacity Digital Video Recorder**

- Mobile and Outdoor Applications
- Single or Quad channel
- 1-16 Alarm Inputs
- Motion Detection
- Event marking and playback
- Audio capture and playback
- GPS recording
- Download via CF/SD card, WiFi or USB
- Fully ruggedised for vehicle applications

**Available Options**

**Camera Units**

Mobile Video/CCTV Solutions

**Zoom Camera**

- Day/Night Zoom
- PTZ
- Covert
- Flush Mount
- Fish Eye

**Fish-Eye Camera**

- Vandalproof Domes
- Bullet camera
- Micro camera
- Infra Red
- IP67 Rated

**Flush Mount Camera**

**Available Options**

CONTACT OUR SALES TEAM FOR FURTHER INFORMATION.
Monitors

7” LCD Monitor

Integrated Mirror Monitor

Video Overlay Module

**Monitors**

**7” LCD Monitor**

- **Features**
  - 7 inch (diagonal) TFT LCD wide colour display screen.
  - On-screen display for adjusting screen brightness, colour, contrast and tint.
  - Built-in speaker.
  - Choice of backlit brightness: auto/high/low.
  - Choice of image: mirrored image/reversed image.
  - Volume switch.
  - Resolution: 1440 x 234 (336,960 pixels).
  - 16:9 widescreen aspect ratio.

- **Specifications**
  - **Input Connector**: D-SUB 15P (male)
  - **Visible Area**: 4” (diagonal)
  - **View Angle**: 90º H, 40º V
  - **Brightness**: 240 nit
  - **Resolution**: 480 H x 234V
  - **Video System**: PAL/NTSC compatible
  - **Audio Power Output**: 0.5W x 2/8Ω
  - **Audio L/R Channel Balance**: ≥ 3dB
  - **Mic Sensitivity**: -38 dB ± 6dB (0db = 1V/lubar, 1kHz)
  - **S/N Ratio**: ≥ 60dB
  - **Frequency Response**: 50Hz ~ 13kHz (-3dB reduction)
  - **Power Consumption**: ≤ 8W
  - **Storage Temp.**: -20ºC ~ +70ºC
  - **Operating Temp.**: -20ºC ~ +50ºC
  - **Dimensions**: 275(W) x 96(H) x 23.5(D) mm
  - **Weight**: 580g (net)

- **Video Overlay Module**

**Installation and Service**

We can offer an installation service if required.

Premier Hazard has a wealth of experience in the design and manufacture of the most comprehensive range of lightbars, lighting, sirens and camera equipment. We work closely with vehicle manufacturers and end-user customers to offer ‘application specific’ installations of all product types. High degrees of creativity and focused skill are applied to all installations, and wiring design.

Based in Yorkshire, Premier Hazard has the leading in-house emergency services lightbar manufacturing operation in the UK. Products and whole systems can be fitted ‘on site’ or ‘off site’, depending on each client requirements. Emergency equipment can be installed on respective emergency response vehicles in line with the PTO (now NPIA) Framework Agreement.

All work is fully guaranteed, in line with the quality products used. Premier Hazard is one of most established and trusted designers and manufacturers of lightbars and associated equipment in the world. As a part of the worldwide PSE Group, quality and value for money are pre-requisites in everything that we do.
Installation and Service

Service and maintenance is available via Premier Hazard’s Approved Service Technician network, in association with our own mobile field service personnel.

We have one of the largest product stockholdings within the industry, and are able to offer a 48 hour delivery from order with most products, sometimes faster!

Premier Hazard, the premier service provider within the emergency services market!

Premier Hazard Warranty

Warranty

(The following is an extract from our terms and conditions, a full copy of which is available upon request)

Where PH is not the manufacturer of the Goods PH will endeavour to transfer to the Buyer the benefit of any warranty or guarantee given by the manufacturer.

In respect of Goods manufactured by PH, PH will, within a period of 24 months from the date of them being put into use, by the end user, repair or at its option, replace any Goods which are proved to the satisfaction of PH to be defective in material or workmanship provided that this obligation will not apply where:

a. the Goods have been altered in any way whatsoever or have been subject to misuse or unauthorised repair;

b. the Goods have been improperly installed or connected (unless PH carried out such installation and connection);

c. the Buyer has failed to observe any maintenance relating to the Goods;

d. the Buyer has failed to notify PH of any defect or suspected defect within 14 days of the same coming to the knowledge of the Buyer;

e. the Buyer is in breach of this or any other Contract made with PH;

f. the Buyer has failed to provide proof of purchase and date of the Goods being put into service.

The cost of dismantling and reassembling the Goods and of returning them to PH for inspection will be borne by the Buyer. Any repaired or replacement Goods will belong to PH. Any repaired or replacement Goods will be guaranteed on these terms for the unexpired portion of the 24 months period.

Save as provided in above PH will be under no liability under the Contract for any personal injury, death, loss or damage of any kind whatsoever (other than death or personal injury resulting from PH’s negligence) whether consequential or otherwise including but not limited to loss of profits and PH hereby excludes all conditions, warranties and stipulations express or implied, statutory, customary or otherwise which but for such exclusion would or might subsist in favour of the Buyer except that such exclusion will not apply to:

a. Any implied condition that PH has or will have the right to sell the Goods when the property is to pass;

b. When the Buyer deals as a consumer (as defined in Section 12 of the Unfair Contract Terms Act 1977), any implied term relating to the conformity of the Goods within their description or sample or as to their quality or fitness to particular purpose.

In no circumstances will PH or its employees, agents or subcontractors be liable for any loss or damage of any kind whatsoever (other than death or personal injury resulting from PH’s negligence) whether consequential or otherwise caused directly or indirectly by any negligence on the part of PH or on the part of any of its employees, agents or sub-contractors in connection with or arising out of the manufacture or supply of the Goods or in connection with any statement given or made (or advice not given or made) by or on behalf of PH.

Disclaimer

The products detailed in this catalogue represent our current range, and whilst every effort has been made to ensure accuracy of the information supplied, customers are requested to satisfy themselves of the suitability of any products required.

As Premier Hazard Limited employs a continuous development process, we reserve the right to amend specifications without prior notice.

Should you have any comments about this catalogue or require any help please contact us.