SOLAIR
Portable
Airborne Particle Counters
THE Lighthouse SOLAIR 1100LD (Laser Diode) leads the industry as the first of its kind portable particle counter with 0.10 micron sensitivity and 1.0 CFM (28.3 LPM) flow rate using long life laser diode technology. Conventional HeNe (Helium Neon) particle counters require frequent cleaning, periodic Laser tube replacement and suffer low concentration limits. The SOLAIR 1100LD is designed to operate in ISO Class 1 to Class 7 cleanrooms without concerns of it degrading its environment or exceeding concentration limits. The SOLAIR 1100LD uses an optics and photodiode system designed to reduce or eliminate the temperature issues associated with high power laser diode sensors. The thermally-controlled exhaust system and HEPA filter option prevent any external contamination. Weighing just 26 Lbs (11.8 Kg) with the Li-Ion battery option, the SOLAIR 1100LD is the smallest, lightest and coolest running 0.10 micron, 1.0 CFM portable particle counter on the market.

The easy to use icon-driven interface with multiple languages simplifies training and SOP writing. Its Cleanroom Standard report wizards make the SOLAIR 1100LD the preferred cleanroom certification tool and eliminate the need for complex UCL calculations. Its flexible communication and data logging capabilities enable the SOLAIR 1100LD to connect to Ethernet or RS-485 networks, connect point-to-point to a PC using USB or securely export its data to a USB Flash Drive. The SOLAIR 1100LD can be used as a portable instrument or easily integrated into a facility monitoring system.

**Features**
- 0.10 µm to 1.0 µm Standard Size Range
- 1.0 CFM (28.3 LPM) Flow Rate
- Simultaneous Display of up to 8 Particle Sizes
- Designed for ISO 21501-4 Compliance:
  - Unit-to-Unit Accuracy and Repeatability
- Designed to Enable 21 CFR Part 11 Compliance when used with Additional Software
- Long-life Laser Diode Sensor Technology
- 5.7-inch Color TFT Touch Screen Display with Zoom
- Multiple Communication Interfaces:
  - USB, RS-485, Ethernet and USB Flash Drive
- Optional Removable, Rechargeable Li-Ion Battery
- 3,000-sample Data Storage Memory
- Stainless Steel Enclosure
- 400 Alphanumeric Location Labels
- Optional Easy-to-Load Thermal Printer
- User-Definable Printouts
- Report Wizard for Cleanroom Pass/Fail Reports:
  - FS-209E, ISO-14644-1 or EU GMP Annex 1
- Open Architecture Connectivity with OPC Server
- Multiple Communication Interfaces - USB, Ethernet, RS-485 and USB Flash Drive
- Multiple-language Support: English, French, German, Italian, Spanish, Chinese, Russian, Japanese, Korean
- 50-record Configurable Recipe Database

**Benefits**
- 2 Year Warranty
- User Friendly Interface
- Easy-to-Read Display
- International Support
- Low Cost of Ownership
THE SOLAIR 3100 and SOLAIR 5100 portable airborne particle counters incorporate our Extreme Life Laser Diode Technology sensor to produce the industry’s longest laser diode life of 20+ years MTTF (based on continuous 24/7 operation). Using a new, lighter extended-life battery and external AC adapter, the SOLAIRs are even more portable. The SOLAIR features one of the industry’s best User Interfaces (UI) to configure and operate the instrument with intuitive ICON-driven screens and menus that are simple, easy to learn and use.

The SOLAIR can store up to 3,000 records of particle count data from up to 8 particle channels and the configurable recipe database can store up to 50 recipes for sampling and reports. All data can be quickly and reliably transferred to a computer, a Facility Monitoring System or a Building Automation System. Secure data transfer (per 21 CFR Part 11) to a USB Flash Drive can be accomplished by using the Lighthouse Secure Data transfer feature and LMS Express or Express RT software to read it. Flexible communications with these instruments is made possible by the integrated Ethernet, RS-485, USB and USB Flash Drive interfaces. SOLAIRs are designed, manufactured and calibrated to ISO 21501-4 to ensure particle counting accuracy.

Features
- SOLAIR 3100: 0.3µm to 25.0µm
- SOLAIR 5100: 0.5µm to 25.0µm
- 1.0 CFM (28.3 LPM) Flow Rate
- Simultaneous Display of up to 8 Particle Sizes
- 21 CFR Part 11 Compliant Secure Data Transfer via USB Flash Drive
- Extreme Life Laser Diode Technology
  >20-year MTTF Laser Lifespan
- Thermal Printer
- Stainless Steel Construction
- Designed for ISO 21501-4 Compliance: Unit-to-Unit Accuracy & Repeatability Assured
- Multiple Communication Interfaces - USB, RS-485, Ethernet and USB Flash Drive
- 5.7-inch Color TFT Touch Screen Display
- 3000-record Data Storage Memory
- 50-record Configurable Recipe Database
- User-Definable Printouts
- Open Architecture Connectivity with OPC Server
- Report Wizard for Cleanroom Pass/Fail Reports: FS-209E, ISO-14644-1 or EU GMP Annex 1
- Multiple-language Support: English, French, German, Italian, Spanish, Chinese, Russian, Japanese, Korean

Benefits
- User Friendly Interface with Multiple Languages
- International Support
- 2 year Warranty
- Easy Integration to External Systems with OPC Server

Applications
- Cleanroom Monitoring
- Facility Certification Testing
- Trend Analysis
- Tool and Equipment Testing
- Multi-Point Facility Monitoring (with 6 or 32 port Manifold System)
- Compressed Gas Monitoring (with High Pressure Controller)
THE SOLAIR 3200 and SOLAIR 5200 portable airborne particle counters incorporate our Extreme Life Laser Diode Technology sensor to produce the industry’s longest laser diode life of 20+ years MTTF (based on continuous 24/7 operation). SOLAIRs incorporate one of the industry’s best User Interfaces (UI) to configure and operate the instrument. The intuitive ICON-driven screens and menus are easy to learn and simple to use.

SOLAIRs can store up to 3,000 records of particle count data from up to 8 particle channels and the configurable recipe database can store up to 50 recipes for sampling and reports. All data can be quickly and reliably transferred to a computer, a Facility Monitoring System or Building Automation System. Secure data transfer (per 21 CFR Part 11) to a USB Flash Drive can be accomplished by using the Lighthouse Secure Data transfer feature and LMS Express or Express RT software to read it. Flexible communication with these instruments is made possible by the integrated Ethernet, RS-485, USB and USB Flash Drive interfaces. SOLAIRs are designed, manufactured and calibrated to ISO 21501-4 to ensure particle counting accuracy.

**Features**
- SOLAIR 3200: 0.3µm to 25.0µm
- SOLAIR 5200: 0.5µm to 25.0µm
- 50 LPM or 2.0 CFM (56.6 LPM) Flow Rate
- Simultaneous Display of up to 8 Particle Sizes
- 21 CFR Part 11 Compliant Secure Data Transfer via USB Flash Drive
- Extreme Life Laser Diode Technology
- >20-year MTTF Laser Lifespan
- Thermal Printer
- Stainless Steel Construction
- Designed for ISO 21501-4 Compliance: Unit-to-Unit Accuracy & Repeatability Assured
- Multiple Communication Interfaces - USB, RS-485, Ethernet and USB Flash Drive
- 5.7-inch Color TFT Touch Screen Display
- 3000-record Data Storage Memory
- 50-record Configurable Recipe Database
- User-Definable Printouts
- Open Architecture Connectivity with OPC Server
- Report Wizard for Cleanroom Pass/Fail Reports: FS-209E, ISO-14644-1 or EU GMP Annex 1
- Multiple-language Support: English, French, German, Italian, Spanish, Chinese, Russian, Japanese, Korean

**Benefits**
- User Friendly Interface with Multiple Languages
- International Support
- 2 year Warranty
- Easy Integration to External Systems with OPC Server
- Cleanroom Monitoring
- Facility Certification Testing
- Trend Analysis
- Tool and Equipment Testing
- Compressed Gas Monitoring (with High Pressure Controller)
- Applications
- Cleanroom Monitoring
- Facility Certification Testing
- Trend Analysis
- Tool and Equipment Testing
- Compressed Gas Monitoring (with High Pressure Controller)
WITH fast, reliable sampling of one cubic meter of air in only ten minutes, the SOLAIR 3350 and SOLAIR 5350 portable airborne particle counters offer faster cleanroom qualification than 1 and 2 CFM counters and at sensitivities of 0.3 and 0.5 microns, respectively. SOLAIRs incorporate our Extreme Life Laser Diode Technology sensor to produce the industry’s longest laser diode life of 20+ years MTTF (based on continuous 24/7 operation). The SOLAIR 3350 is the industry’s only 100 LPM 0.3 micron portable designed for continuous use. SOLAIRs use the industry’s best UI (User Interface) to configure and operate the instrument. The intuitive ICON-driven screens and menus are easy to learn and use, which simplifies SOP writing, and support multiple languages.

SOLAIRs can store up to 3,000 records of particle count data from up to 8 particle channels and the configurable recipe database can store up to 50 recipes for sampling and reports. All data can be quickly and reliably transferred to a computer, a Facility Monitoring System or Building Automation System. Secure data transfer (per 21 CFR Part 11) to a USB Flash Drive can be accomplished by using the Lighthouse Secure Data transfer feature and LMS Express or Express RT software. Flexible communication with these instruments is made possible by the integrated Ethernet, RS-485, USB and USB Flash Drive interfaces. SOLAIRs are designed, manufactured and calibrated to ISO21501-4 to ensure particle counting accuracy.

Features
- SOLAIR 3350: 0.3-25.0µm, 0.3µm @ 100 LPM
- SOLAIR 5350: 0.5-25.0µm, 0.5µm @ 100 LPM
- Samples 1 Cubic Meter in 10 Minutes @ 100 LPM
- Simultaneous Display of up to 8 Particle Sizes
- 21 CFR Part 11 Compliant Secure Data Transfer via USB Flash Drive
- Extreme Life Laser Diode Technology
- >20 Years MTTF Laser Lifespan
- Thermal Printer
- Stainless Steel Construction
- Designed for ISO 21501-4 Compliance: Unit-to-Unit Accuracy & Repeatability Assured
- Multiple Communication Interfaces - USB, RS-485, Ethernet and USB Flash Drive
- 5.7-inch Color TFT Touch Screen Display
- 3000-record Data Storage Memory
- 50-record Configurable Recipe Database
- User-Definable Printouts
- Open Architecture Connectivity with OPC Server
- Report Wizard for Cleanroom Pass/Fail Reports: FS-209E, ISO-14644-1 or EU GMP Annex 1
- Multiple-language Support:
  - English, French, German, Italian, Spanish, Chinese, Russian, Japanese, Korean

Benefits
- Reduced Sample Time of 1 Cubic Meter in 10 minutes
- User Friendly Interface with Multiple Languages
- International Support
- 2 year Warranty
- Easy Integration to External Systems with OPC Server

Applications
- Cleanroom Monitoring
- Facility Certification Testing
- Trend Analysis
- Tool and Equipment Testing
- Compressed Gas Monitoring (with High Pressure Controller)
The Lighthouse Boulder Counter portable airborne particle counters incorporate our Extreme Life Laser Diode Technology sensor to produce the industry’s longest laser diode life of 20+ years MTTF (based on continuous 24/7 operation). Designed to use a new, lighter extended-life battery and external AC adapter, the Boulder Counter is even more portable. Boulder Counters feature one of the industry’s best User Interfaces (UI) to configure and operate the instrument with intuitive ICON-driven screens and menus that are quick to document for SOPs, easy to learn and simple to use.

Boulder Counters can store up to 3,000 records of particle count data from up to 6 particle channels and the configurable recipe database can store up to 50 recipes for sampling and reports. All data can be quickly and reliably transferred to a computer, a Facility Monitoring System or a Building Automation System. Secure data transfer (per 21 CFR Part 11) to a USB Flash Drive can be accomplished by using the Lighthouse Secure Data transfer feature and LMS Express or Express RT software. Flexible communications with these instruments is made possible by the integrated Ethernet, RS-485, USB and USB Flash Drive interfaces. Boulder Counters are designed, manufactured and calibrated to standards that ensure particle counting accuracy and repeatability.

**Features**
- 5.0µm to 100.0µm sensitivity
- 1.0 CFM (28.3 LPM) Flow Rate
- Simultaneous Display of up to 6 Particle Sizes
- 21 CFR Part 11 Compliant Secure Data Transfer via USB Flash Drive
- Extreme Life Laser Diode Technology
- >20-year MTTF Laser Lifespan
- Thermal Printer
- Stainless Steel Construction
- Multiple Communication Interfaces - USB, RS-485, Ethernet and USB Flash Drive
- 5.7-inch Color TFT Touch Screen Display
- 3000-record Data Storage Memory
- 50-record Configurable Recipe Database
- User-Definable Printouts
- Open Architecture Connectivity with OPC Server
- Report Wizard for Cleanroom Pass/Fail Reports: FS-209E, ISO-14644-1 or EU GMP Annex 1
- Multiple-language Support: English, French, German, Italian, Spanish, Chinese, Russian, Japanese, Korean

**Benefits**
- User Friendly Interface with Multiple Languages
- International Support
- 2 year Warranty
- Easy Integration to External Systems with OPC Server

**Benefits**
- Automotive Manufacturing
- Coating Processes
- Paint Booth
- Aerospace Flight and Space Hardware Manufacturing
- Flat Panel Display Manufacturing
- Medical Device Manufacturing
## Product Selection Guide

### 1100LD

<table>
<thead>
<tr>
<th>Feature</th>
<th>1100LD</th>
<th>3100</th>
<th>5100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size Range</strong></td>
<td>0.10 - 1.0 µm</td>
<td>0.3 - 25.0 µm</td>
<td>0.5 - 25.0 µm</td>
</tr>
<tr>
<td><strong>Optional ranges up to 5.0 µm</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Channel Sizes</strong></td>
<td>Standard: 0.10, 0.15, 0.2, 0.25, 0.3, 0.5</td>
<td>Standard: 0.3, 0.5, 1.0, 5.0, 10.0, 25.0</td>
<td>Standard: 0.5, 1.0, 3.0, 5.0, 10.0, 25.0</td>
</tr>
<tr>
<td><strong>Flow Rate</strong></td>
<td>1.0 CFM (28.3 LPM)</td>
<td>1.0 CFM (28.3 LPM)</td>
<td>1.0 CFM (28.3 LPM)</td>
</tr>
<tr>
<td><strong>Counting Efficiency</strong></td>
<td>50% @ 0.1 µm; 100% @ sizes &gt; 0.15 µm per JIS B 9921 and ISO 21501-4</td>
<td>50% @ 0.3 µm; 100% @ sizes &gt; 0.45 µm</td>
<td>50% @ 0.5 µm; 100% @ sizes &gt; 0.75 µm</td>
</tr>
<tr>
<td><strong>Concentration Limits</strong></td>
<td>500,000 particles/ft³</td>
<td>1,000,000 particles/ft³</td>
<td>1,000,000 particles/ft³</td>
</tr>
<tr>
<td><strong>Light Source</strong></td>
<td>Long Life Laser Diode</td>
<td>Extreme Life Laser Diode</td>
<td>Extreme Life Laser Diode</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>14.65&quot;Lx8.0&quot;Wx10.4&quot;H (37x20x26 cm)</td>
<td>9.5&quot;Lx8.0&quot;Wx10.2&quot;H (24.13x20.32x25.9 cm)</td>
<td>9.5&quot;Lx8.0&quot;Wx10.2&quot;H (24.13x20.32x25.9 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>With battery: 26 lbs (11.8 kg)</td>
<td>With battery: 23 lbs (10.43 kg)</td>
<td>With battery: 13 lbs (5.89 kg)</td>
</tr>
<tr>
<td><strong>Without battery</strong></td>
<td>23 lbs (10.43 kg)</td>
<td>11.5 lbs (5.2 kg)</td>
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</tr>
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</table>

### 3200

<table>
<thead>
<tr>
<th>Feature</th>
<th>3200</th>
<th>5200</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size Range</strong></td>
<td>0.3 - 25.0 µm</td>
<td>0.5 - 25.0 µm</td>
</tr>
<tr>
<td><strong>Channel Sizes</strong></td>
<td>Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm</td>
<td>Standard: 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm</td>
</tr>
<tr>
<td><strong>Optional ranges up to 25.0 µm</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>8-Channel</strong></td>
<td>Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 7.0, 10.0, 25.0 µm</td>
<td>Standard: 0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0, 25.0 µm</td>
</tr>
<tr>
<td><strong>Flow Rate</strong></td>
<td>50 LPM</td>
<td>50 LPM</td>
</tr>
<tr>
<td><strong>Counting Efficiency</strong></td>
<td>50% @ 0.3 µm; 100% @ sizes &gt; 0.45 µm</td>
<td>50% @ 0.5 µm; 100% @ sizes &gt; 0.75 µm</td>
</tr>
<tr>
<td><strong>Concentration Limits</strong></td>
<td>700,000 particles/ft³ (24,710,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms</td>
<td>700,000 particles/ft³ (24,710,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms</td>
</tr>
<tr>
<td><strong>Light Source</strong></td>
<td>Extreme Life Laser Diode technology with &gt; 20 year MTTF</td>
<td>Extreme Life Laser Diode technology with &gt; 20 year MTTF</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>14.65&quot;Lx8.0&quot;Wx10.8&quot;H (37x20x26 cm)</td>
<td>5.7&quot;Lx8.0&quot;Wx10.4&quot;H (14.47x20.32x25.9 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>With battery: 26 lbs (11.8 kg)</td>
<td>With battery: 26 lbs (11.8 kg)</td>
</tr>
<tr>
<td><strong>Without battery</strong></td>
<td>23 lbs (10.43 kg)</td>
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</table>

### 3350

<table>
<thead>
<tr>
<th>Feature</th>
<th>3350</th>
<th>5350</th>
<th>Boulder Counter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size Range</strong></td>
<td>0.3 - 25.0 µm</td>
<td>0.5 - 100.0 µm</td>
<td>5.0 - 100.0 µm</td>
</tr>
<tr>
<td><strong>Channel Sizes</strong></td>
<td>Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm</td>
<td>Standard: 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm</td>
<td>Standard: 5.0, 10.0, 25.0, 40.0, 50.0, 100.0 µm</td>
</tr>
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<td><strong>Optional ranges up to 25.0 µm</strong></td>
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<tr>
<td><strong>8-Channel</strong></td>
<td>Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 7.0, 10.0, 25.0 µm</td>
<td>Standard: 0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0, 25.0 µm</td>
<td>Standard: 5.0, 10.0, 25.0, 40.0, 50.0, 100.0 µm</td>
</tr>
<tr>
<td><strong>Flow Rate</strong></td>
<td>100 LPM</td>
<td>100 LPM</td>
<td>28.3 LPM</td>
</tr>
<tr>
<td><strong>Counting Efficiency</strong></td>
<td>50% @ 0.3 µm; 100% @ sizes &gt; 0.45 µm</td>
<td>50% @ 0.5 µm; 100% @ sizes &gt; 0.75 µm</td>
<td>50% @ 5.0 µm</td>
</tr>
<tr>
<td><strong>Concentration Limits</strong></td>
<td>400,000 particles/ft³ (14,120,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms</td>
<td>400,000 particles/ft³ (14,120,000/m³) @ 10% coincidence loss suitable for ISO classes 1-8 cleanrooms</td>
<td>500,000 particles/ft³ at 5% coincidence loss suitable for ISO classes 1-8 cleanrooms</td>
</tr>
<tr>
<td><strong>Light Source</strong></td>
<td>Extreme Life Laser Diode technology with &gt; 20 year MTTF</td>
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<td>11.5 lbs (5.2 kg)</td>
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</tbody>
</table>

**Zero Count Level Calibration**

Meets ISO 21501-4 calibration using NIST traceable PSL spheres, DMA and condensation Particle Counter

**Count Modes**

Automatic, manual, beep, concentration, cumulative/differential

**Data Storage**

3,000 sample records, rotating buffer (includes particle and environmental data, location and time)

**Communication Modes**

USB, Ethernet, RS-485, Secure Data Transfer to and Storage on USB Flash Drive

**Supporting Software**

LMS Express, LMS Express RT, LMS Pharma

**Environmental Sensors**

Optional (up to 4) temperature/relative humidity, air velocity, differential pressure or others

**Touch Screen Display**

5.7"-inch (14.47 cm) color TFT touch screen display

**Reports**

Pass/fail report wizard for ISO-14644-1, EU GMP Annex 1, and FS-209E report formats

**Alarms**

Integrated alarm buzzer and external alarm connector. Alarms on counts, low battery, sensor failure

**Sample Output**

1100LD Model: Internally filtered to 100% @ 0.1 µm, optional HEPA filtration for cooling system exahust. All other models: Internally filtered to HEPA standards (>99.97% @ 0.3 µm)

**Vacuum Source**

Internal closed-loop controlled pump. Allows the use of 3/8" ID sample tubing of up to 12 meters (40 feet) @ 50 & 100 LPM

**Enclosure**

Stainless Steel

**Power**

100-250 VAC, 47-63 Hz

**Battery**

Optional Li-Ion, removable & rechargeable (typical recharge time 7.5 hours)

**Languages**

English (U.S.), French, German, Italian, Spanish, Chinese, Russian, Japanese, Korean
### Lighthouse Worldwide Solutions Operations

<table>
<thead>
<tr>
<th>Corporate Headquarters</th>
<th>EMEA Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>47300 Kato Road</td>
<td>Mimar Sinan Mh. Cavusbasi Cd.</td>
</tr>
<tr>
<td>Fremont, CA 94538</td>
<td>Ozge Sk. Zin D Business Center</td>
</tr>
<tr>
<td>USA</td>
<td>NO: 1/26</td>
</tr>
<tr>
<td>Tel: +1 510 438 0500</td>
<td>Cekmekoy/Istanbul</td>
</tr>
<tr>
<td>Fax: +1 510 438 3840</td>
<td>Turkey</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manufacturing Operations</th>
<th>Thailand Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1221 Disk Drive</td>
<td>9/13 Moo 5, Phaholyothin Rd.</td>
</tr>
<tr>
<td>Medford, OR 97501</td>
<td>T. Klongneung, A. Klongluang</td>
</tr>
<tr>
<td>USA</td>
<td>Pathumthani, 12120</td>
</tr>
<tr>
<td>Tel: +1 541 770 5905</td>
<td>Thailand</td>
</tr>
<tr>
<td>Fax: +1 541 770 2033</td>
<td>Tel: +662 902 2722-3</td>
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<table>
<thead>
<tr>
<th>Benelux Operations</th>
<th>Malaysia Operations</th>
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<tbody>
<tr>
<td>Van Heemstraweg 19-A</td>
<td>No. 18-32-A1 &amp; A2</td>
</tr>
<tr>
<td>6657 KD Boven-Leeuwen</td>
<td>Gurney Tower, Persiaran Gurney</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>Georgetown, 10250 Penang</td>
</tr>
<tr>
<td>Tel: +31 487 560811</td>
<td>Malaysia</td>
</tr>
<tr>
<td>Fax: +31 487 560013</td>
<td>Tel: +604 370 1229</td>
</tr>
</tbody>
</table>

**DISTRIBUTED BY:**

**MADE IN USA**

www.golighthouse.com

Lighthouse Worldwide Solutions