Luminaires made to order for Vertical solar PV poles

Post top and Street & area lighting luminaires that are made to order to use with Vertical solar PV poles.

Luminaire Structure

**Light symbol**

<table>
<thead>
<tr>
<th>T2</th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
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<table>
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<table>
<thead>
<tr>
<th>EW</th>
<th>M</th>
<th>ME</th>
<th>W</th>
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**Product colour**

| 01 - Black (RAL 9011)  |
| 02 - Dark Grey (RAL 7043) |
| 03 - White (RAL 9003)    |
| 05 - Matt Silver (RAL 9006) |
| 08 - Bronze (RAL 6014)   |

**Special finishes upon request**

SU01 - Concrete - Urban
SU02 - Softscape - Urban
SU03 - Stone - Urban
SU04 - Corten - Urban
SW01 - Oak - Woodland
SW02 - Walnut - Woodland
SW03 - Pine - Woodland

We reserve the right to make technical and design changes.

02:14, 07-09-2021

## Technical information

### Made to order for 20 W Vertical Solar PV pole

<table>
<thead>
<tr>
<th>Model number</th>
<th>Light source</th>
<th>Power</th>
<th>Lumen</th>
<th>Optic</th>
<th>CCT / CRI</th>
<th>Dimming type</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABERDEEN 1</td>
<td>6 x 4 LED</td>
<td>20 W</td>
<td>2553 - 2791 lm</td>
<td>T2 [142°x59°], T3 [142°x72°], T4 [102°x63°], T5 [119°x147°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>11.5 kg</td>
</tr>
<tr>
<td>ABERDEEN 2</td>
<td>24 LED</td>
<td>20 W</td>
<td>2553 - 2791 lm</td>
<td>T2 [142°x59°], T3 [142°x72°], T4 [102°x63°], T5 [119°x147°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>10.5 kg</td>
</tr>
<tr>
<td>ARIZONA 5</td>
<td>16 LED</td>
<td>20 W</td>
<td>1799 - 2175 lm</td>
<td>T2 [142°x52°], T3 [137°x65°], T4 [93°x64°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>8.1 kg</td>
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<tr>
<td>FORREY 14</td>
<td>1 COB</td>
<td>20 W</td>
<td>1704 - 1982 lm</td>
<td>T2 [140°x100°], T3 [132°x103°], T4 [137°x117°], T5 [73°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>13.5 kg</td>
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<tr>
<td>MACARON 1</td>
<td>24 LED</td>
<td>20 W</td>
<td>2473 - 2859 lm</td>
<td>EW [105°x115°], M [30°], ME [136°x58°], T2 [136°x51°], T3 [119°x68°], T4 [102°x73°], W [57°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>13.5 kg</td>
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<tr>
<td>MACARON 2</td>
<td>24 LED</td>
<td>20 W</td>
<td>2473 - 2859 lm</td>
<td>EW [105°x115°], M [30°], ME [136°x58°], T2 [136°x51°], T3 [119°x68°], T4 [102°x73°], W [57°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
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### Made to order for 30 W Vertical Solar PV pole

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<th>Light source</th>
<th>Power</th>
<th>Lumen</th>
<th>Optic</th>
<th>CCT / CRI</th>
<th>Dimming type</th>
<th>Weight</th>
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<tbody>
<tr>
<td>POWERMISSION 2</td>
<td>24 LED</td>
<td>30 W</td>
<td>5107 - 5582 lm</td>
<td>T2 [142°x59°], T3 [142°x72°], T4 [102°x63°], T5 [119°x147°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>4.8 kg</td>
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### Made to order for 40 W Vertical Solar PV pole

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<th>Light source</th>
<th>Power</th>
<th>Lumen</th>
<th>Optic</th>
<th>CCT / CRI</th>
<th>Dimming type</th>
<th>Weight</th>
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<tr>
<td>ABERDEEN 2</td>
<td>24 LED</td>
<td>40 W</td>
<td>5107 - 5582 lm</td>
<td>T2 [142°x59°], T3 [142°x72°], T4 [102°x63°], T5 [119°x147°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>10.5 kg</td>
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<tr>
<td>ARIZONA 5</td>
<td>16 LED</td>
<td>40 W</td>
<td>3599 - 4351 lm</td>
<td>T2 [142°x52°], T3 [137°x65°], T4 [93°x64°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
<td>8.1 kg</td>
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<tr>
<td>BILLUND 1</td>
<td>36 LED</td>
<td>40 W</td>
<td>4505 - 5639 lm</td>
<td>T1 [141°x124°], T2 [150°x75°], T3 [141°x64°], T4 [137°x71°], T5 [148°x99°], T6 [102°x63°], T7 [92°x121°]</td>
<td>3000K CRI70, 4000K CRI70</td>
<td>Solar</td>
<td>4.5 kg</td>
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<tr>
<td>FORREY 14</td>
<td>1 COB</td>
<td>40 W</td>
<td>3409 - 3964 lm</td>
<td>T2 [140°x100°], T3 [132°x103°], T4 [137°x117°], T5 [73°]</td>
<td>3000K CRI80, 4000K CRI80</td>
<td>Solar</td>
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<td>FORREY 12</td>
<td>1 COB</td>
<td>40 W</td>
<td>3409 - 3964 lm</td>
<td>T2 [140°x100°], T3 [132°x103°], T4 [137°x117°], T5 [73°]</td>
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### Luminaires made to order for Vertical solar PV poles

**Made to order for 60 W Vertical Solar PV pole**

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<tr>
<th>Model</th>
<th>Luminaire ID</th>
<th>LEDs</th>
<th>W</th>
<th>Lumen</th>
<th>Color Temperature</th>
<th>CRI</th>
<th>Weight</th>
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<tbody>
<tr>
<td>BILLUND 1</td>
<td>BIU-90002-SO-60</td>
<td>36</td>
<td>60</td>
<td>6758 - 8459 lm</td>
<td>T1 [141°x124°], T2 [150°x75°], T2-A [141°x64°], T3 [137°x71°], T3-A [148°x99°], T4 [102°x63°], T5 [92°x121°]</td>
<td>3000K CR70, 4000K CR70</td>
<td>4.5 kg</td>
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<td>POWERMISSION 2</td>
<td>PO29-GP041-SO-60</td>
<td>24</td>
<td>60</td>
<td>lm</td>
<td>EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>4.8 kg</td>
</tr>
<tr>
<td>STEAMER 1</td>
<td>SE-90002-SO-60</td>
<td>24</td>
<td>60</td>
<td>7021 - 8116 lm</td>
<td>EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>10.1 kg</td>
</tr>
<tr>
<td>STEAMER 11</td>
<td>SE-90022-SO-60</td>
<td>24</td>
<td>60</td>
<td>7021 - 8116 lm</td>
<td>EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
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**Made to order for 80 W Vertical Solar PV pole**

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<th>Model</th>
<th>Luminaire ID</th>
<th>LEDs</th>
<th>W</th>
<th>Lumen</th>
<th>Color Temperature</th>
<th>CRI</th>
<th>Weight</th>
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<tbody>
<tr>
<td>BILLUND 1</td>
<td>BIU-90002-SO-80</td>
<td>36</td>
<td>80</td>
<td>9011 - 11278 lm</td>
<td>T1 [141°x124°], T2 [150°x75°], T2-A [141°x64°], T3 [137°x71°], T3-A [148°x99°], T4 [102°x63°], T5 [92°x121°]</td>
<td>3000K CR70, 4000K CR70</td>
<td>4.5 kg</td>
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<tr>
<td>POWERMISSION 2</td>
<td>PO29-GP041-SO-80</td>
<td>24</td>
<td>80</td>
<td>lm</td>
<td>EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>4.8 kg</td>
</tr>
<tr>
<td>STEAMER 1</td>
<td>SE-90002-SO-80</td>
<td>24</td>
<td>80</td>
<td>9361 - 10821 lm</td>
<td>EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>10.1 kg</td>
</tr>
<tr>
<td>STEAMER 11</td>
<td>SE-90022-SO-80</td>
<td>24</td>
<td>80</td>
<td>9361 - 10821 lm</td>
<td>EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>11.2 kg</td>
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**Made to order for 20 W Vertical Solar PV pole**

<table>
<thead>
<tr>
<th>Model</th>
<th>Luminaire ID</th>
<th>LEDs</th>
<th>W</th>
<th>Lumen</th>
<th>Color Temperature</th>
<th>CRI</th>
<th>Weight</th>
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<tbody>
<tr>
<td>MACARON 1</td>
<td>MC-20002-SO-40</td>
<td>24</td>
<td>40</td>
<td>4947 - 5719 lm</td>
<td>EW [105°x115°], M [30°], ME [136°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x73°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>13.5 kg</td>
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<td>MACARON 2</td>
<td>MC-20012-SO-40</td>
<td>24</td>
<td>40</td>
<td>4947 - 5719 lm</td>
<td>EW [105°x115°], M [30°], ME [136°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x73°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>13.5 kg</td>
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<tr>
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<td>PO29-GP041-SO-40</td>
<td>24</td>
<td>40</td>
<td>lm</td>
<td>EW [105°x115°], M [30°], ME [136°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x73°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
<td>4.8 kg</td>
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<tr>
<td>STEAMER 1</td>
<td>SE-90002-SO-40</td>
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<td>40</td>
<td>4681 - 5411 lm</td>
<td>EW [105°x115°], M [30°], ME [136°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x73°], W [57°]</td>
<td>3000K CR80, 4000K CR80</td>
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<td>lm</td>
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<td>3000K CR80, 4000K CR80</td>
<td>4.8 kg</td>
</tr>
</tbody>
</table>

We reserve the right to make technical and design changes.
Luminaires made to order for Vertical solar PV poles

FORREY 12  FOR-20042-SO-20  1 COB  20 W  1704 - 1982 lm  T2 [140°x100°], T3 [132°x103°], T4 [137°x117°], T5 [73°]  3000K CR80, 4000K CR80  Solar  17 kg

POWERMISSION 2  PO29-GP041-SO-20  12 LED  20 W  lm  4.8 kg

Made to order for 40 W Vertical Solar PV pole

ABERDEEN 1  ABA-20001-SO-40  24 LED  40 W  5107 - 5582 lm  T2 [142°x59°], T3 [142°x72°], T4 [102°x63°], T5 [119°x147°]  3000K CR80, 4000K CR80  Solar  11.5 kg

STEAMER 11  SE-90022-SO-40  24 LED  40 W  4681 - 5411 lm  EW [105°x115°], M [30°], ME [137°x58°], T2 [136°x51°], T3 [119°x86°], T4 [102°x74°], W [57°]  3000K CR80, 4000K CR80  Solar  11.2 kg

Accessories

<table>
<thead>
<tr>
<th>Remote solar charge controller</th>
<th>SOLAR PV POLE 1</th>
<th>SOLAR PV POLE 2</th>
<th>SOLAR PV POLE 3</th>
<th>SOLAR PV POLE 4</th>
<th>SOLAR PV POLE 5</th>
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<td>SE-90022-SO-80</td>
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</tbody>
</table>

We reserve the right to make technical and design changes.

02:14, 07-09-2021

### Outdoor Luminaires made to order for Vertical solar PV poles

<table>
<thead>
<tr>
<th>SOLAR PV POLE</th>
<th>LMV2621</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABA-20001-SO-20</td>
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<td>ABA-20011-SO-20</td>
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<td>AR-21052-SO-20</td>
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<td>FOR-20042-SO-40</td>
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<td>MC-20002-SO-20</td>
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<td>MC-20002-SO-40</td>
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<td>MC-20012-SO-20</td>
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<tr>
<td>SE-90022-SO-80</td>
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</tbody>
</table>

We reserve the right to make technical and design changes.

02:14, 07-09-2021

Luminaires made to order for Vertical solar PV poles

Outdoor

https://www.ligman.com/outdoor-o1/

Indoor

https://www.ligman.com/indoor-i1/

Bollards

https://www.ligman.com/bollards-outdoor-bo2/

Recessed luminaires

https://www.ligman.com/recessed-luminaires-outdoor-re2/

LIGHTALK

Efficient quality linear fixture portfolio. Coordinated wall or ceiling recessed range with multiple optics and component options.

https://www.ligman.com/lightalk-recessed-luminaires-ll-re3/

LIGHT LINEAR VT


COLUMBUS

Cost-effective classic exterior bollard range. Elegant urban form with lateral light accent and optional top covers.


OREGON

Miniature contemporary underwater recessed luminaires. Beautifully engineered minimalistic.

https://www.ligman.com/oregon-recessed- underwater-projectors-or-un3/

Poles

https://www.ligman.com/poles-p1/
Luminaires made to order for Vertical solar PV poles

We reserve the right to make technical and design changes.


JANET
Recessed underwater projectors
 Compact and economic underwater fixture range. Competitive and flexible quality recessed fixtures with multiple beam angles.


Underwater luminaires
Outdoor

https://www.ligman.com/underwater-luminaires-outdoor-un2/

Surface facade luminaires
Outdoor

https://www.ligman.com/surface-facade-luminaires-outdoor-su2/

Ceiling luminaires
Outdoor

https://www.ligman.com/ceiling-luminaires-outdoor-ce2/

JET
Surface exterior downlights
Cylindrical or rectangular form surface ceiling-mounted downlight. High performance, high output and numerous options ensure JET can be configured for any application.


Surface facade luminaires

https://www.ligman.com/abacus-surface-facade-luminaires-ab-su3/

ATLANTIC
Surface facade luminaires
Classic urban neighbourhood wall-mounted luminaire family. Timeless lines coupled with unparalleled build quality, flexibility and performance.

LADOR
Surface exterior downlights
Square surface ceiling-mounted architectural range. Four sizes of square artistic precision with wide range of beam distributions.


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Thailand
+66 2 108 6700
info@ligman.com
Luminaires made to order for Vertical solar PV poles


NIKON
Recessed exterior downlights
Ceiling-recessed exterior downlights. Modern, clean and powerful down lighting family provided the best resilient under-canopy solutions in the marketplace.

VEKTER
Surface facade luminaires
Flexible wall-mounted floodlighting and area luminaires. Sleek, angular, technical and powerful professional lighting solutions.

ODESSA
Surface exterior downlights
Surface ceiling-mounted decorative exterior downlights. Naturally beautiful and unique contemporary family, ODESSA packs a punch with an abundance of options and accessories.

TANGO
Surface exterior downlights
Circular or square form technical surface-ceiling downlight range. Completely tailorable ceiling-mounted optical lighting solutions for perfect task or architectural lighting.

ROBUST
Recessed exterior downlights
Ceiling-recessed exterior asymmetric downlights. Tough and sturdy under-canopy fixture family with high-outputs and an impressive array of optical asymmetric beam options.

AQUA
Underwater projectors, floodlights
Modern underwater narrow projector and floodlight family. Your high power, professional flexible recessed pool and water-feature solution.

NEMO
Underwater projectors, floodlights

ANNET
Underwater projectors, floodlights

In-ground luminaires

Outdoor

We reserve the right to make technical and design changes.
02:14, 07-09-2021
Luminaires made to order for Vertical solar PV poles

<table>
<thead>
<tr>
<th>Outdoor</th>
</tr>
</thead>
</table>

Powerful professional underwater adjustable projector family. Offering solutions for even the largest of water features.


Simple, cost effective adjustable underwater lights. Designed for simplicity and flexibility and built to last in any environment.


<table>
<thead>
<tr>
<th>HARRIER In-ground luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete, flexible, competitive accent and floodlight in-grounds. The lighting industry's leading quality low-cost in-ground fixture family.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KIOS In-ground luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional technical in-ground lighting solutions. Sophisticated and expansive; single, twin-lamp, white and RGBW DMX, with 10 beam types.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIGHTALK In-ground luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Efficient quality linear fixture portfolio. Coordinated in-ground range with multiple optics and component options.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MASK In-ground luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walk &amp; drive-over semi-recessed in-ground marker lights. Tough, clean-aesthetics, with multiple light-emission directions.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NEVADA In-ground luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discrete, minimal-footprint in-ground accent lighting. White light or dynamic RGBW options with connection accessories and controls systems.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ECO Recessed luminaires</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robust urban wall semi-recessed pathway and stair luminaire. Designed to deliver edge to edge task levels from a classic form-factor.</td>
</tr>
</tbody>
</table>
Luminaires made to order for Vertical solar PV poles

**LBX**
Recessed luminaires
Contemporary way finding fixture for glare free visual comfort. Sophisticated design, with minimal footprint and available with optional surrounds and supply solutions.

**LEGEND**
Recessed luminaires
Rectangular time-honored wall recessed accent range. Efficient, flexible and tough family in the classic brick-light proportions.

**RADO**
Recessed luminaires
Sturdy classic wall-recessed pathway and stair luminaire. Simple pleasing aesthetic and sturdy construction, perfect for retrofit applications with its multiple sizes offered.

**VIOS**
Recessed luminaires
Powerful, compact wall-recessed accent and marker lights. Shielded or unshielded versions with recessing boxes and two light colours.

**BAMBOO**
Surface facade luminaires
Pillar design soft illumination wall fixture. Commercial level quality and performance within a domestic aesthetic.
https://www.ligman.com/bamboo-surface-facade-luminaires-ba-su3/

**CAPSULE**
Surface facade luminaires
Shielded, wall-mounted bulkhead range. Classic utilitarian bulkheads with numerous options and a contemporary twist.

**CINATI**
Wall washer luminaires
Cone-shaped wall-mounted downlight fixtures. Simple clean form hiding multiple high-performance glare-free optic choices.

**COLUMBUS**
Discontinued
Cost-effective classic exterior surface wall range. Elegant urban form with lateral light accent and optional shades.

**COLUMBUS**
Shepherd’s crook surface wall luminaires
Cost-effective classic exterior surface wall range. Elegant urban form with lateral light accent and optional shades.
Outdoor

Luminaires made to order for Vertical solar PV poles


DUOMO
Small and medium shade wall luminaires
Compact, screened surface wall mounted fixtures. Two residential-scaled sizes, providing soft downward and vertical illumination.

DUOMO
Shepherd’s crook surface wall luminaires
Compact, screened surface wall mounted fixtures. Two residential-scaled sizes, providing soft downward and vertical illumination.

EURASIA
Surface facade luminaires
High-visual-comfort surface wall-mounted family. Robust but decorative urban lighting family with perfect glare-controlled lateral light distribution.

GANDALF
Surface wall luminaires
Surface-mounted cost-effective adjustable flood and area lighting. New higher lumen packages and extended family with a vast array of flexible performance choices.

GINI
Surface facade luminaires
Slimline, surface wall-fixtures with up-downlight distribution. Clean, unique, minimalistic and flexible, the perfect tool for surface wall grazing.

GINO
Surface facade luminaires
Facade-mounted building and area lighting range. Sleek, compact and expansive luminaire family with lighting packages and optics to address any need.

ITAC
Surface facade luminaires

JET
Surface facade luminaires

LADOR
Surface facade luminaires

We reserve the right to make technical and design changes.

02:14, 07-09-2021

Luminaires made to order for Vertical solar PV poles

Circular contemporary surface-mounted bulkhead fixtures. Resilient but attractive exterior bulkheads built to perform and last.

Cylindrical or rectangular form surface wall-mounted downlight. High performance, high output and numerous options ensure JET can be configured for any application.

Square surface wall-mounted architectural range. Four sizes of square artistic precision with wide range of beam distributions.

Luminaires made to order for Vertical solar PV poles

**MATRIX**
**Surface facade luminaires**
Square surface wall-mounted architectural lighting range. Family of lighting effects sanctioning imagination and inspiration to reign in designs.


**MUSTANG**
**Surface facade luminaires**
Rectangular, adjustable area-lighting wall fixture family. Timeless angular form factor with a multitude of output choices to suit all area applications.


**PALETTA**
**Surface facade luminaires**
Contemporary surface mounted bulkhead fixtures. Pure and clean designed, very tough square and rectangular exterior bulkhead family.


**QUARTER**
**Surface facade luminaires**
Rounded profile wall-mounted area downlight. Classic and practical profile affording wildlife and dirt resistant urban area lighting solutions.


**SANDY**
**Surface facade luminaires**
Shielded, circular wall-mounted bulkhead range. Traditional circular exterior family with many attractive grill and shield options.


**STEAMER**
**Surface facade luminaires**
Surface wall-mounted contemporary area lighting family. Modern and powerful high-end, optimum-quality area lighting projectors.


**TANGO**
**Surface facade luminaires**
Circular or square form technical up & downlight wall range. Completely tailorable wall-mounted direct/indirect optical lighting solutions for perfect task or architectural

**TRIANGLE**
**Surface facade luminaires**
Triangular surface wall-mounted family. High-protection, stealth-like and angular range aesthetic, encasing a wide variety of technical optic options.

**MONDOVA**
**Recessed exterior downlights**
Ceiling-recessed exterior downlights. Competitive, technical and well-built family of compact shallow under-canopy recessed downlights.

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Luminaires made to order for Vertical solar PV poles

Outdoor

Lighting.


High bay luminaires

Outdoor

https://www.ligman.com/high-bay-luminaires-outdoor-hl2/

MUSTANG
Recessed high bay luminaires

Rectangular area-lighting ceiling-recessed fixture family. Timeless angular form factor with a multitude of output choices to suit all area applications.


MUSTANG
Surface mounted high bay luminaires

Rectangular area-lighting ceiling-surface fixture family. Timeless angular form factor with a multitude of output choices to suit all area applications.


POWERVISION
Recessed low bay luminaires

Modular area-lighting ceiling-recessed fixture family. Technical, powerful and flexible high-bay lighting delivery instruments designed and built to tackle all environments.


POWERVISION
Surface mounted high bay luminaires

Modular area-lighting ceiling-surface fixture family. Technical, powerful and flexible high-bay lighting delivery instruments designed and built to tackle all environments.


Pendant luminaires

Outdoor

https://www.ligman.com/pendant-luminaires-outdoor-pe2/

We reserve the right to make technical and design changes.

02:14, 07-09-2021

### Pendant luminaires

Classic urban neighborhood pendant luminaire family. Timeless lines coupled with the unparalleled build quality, flexibility and performance.

[https://www.ligman.com/atlantic-pendant-luminaires-at-pe3/](https://www.ligman.com/atlantic-pendant-luminaires-at-pe3/)

**JET**

Cylindrical or rectangular form pendant downlight. High performance, high output and numerous options ensure JET can be configured for any application.

[https://www.ligman.com/jet-pendant-luminaires-je-pe3/](https://www.ligman.com/jet-pendant-luminaires-je-pe3/)

**BENTON**

Modern urban lighting furniture. Fashionable contemporary structures creating glare-free soft illumination patterns.

[https://www.ligman.com/benton-bollards-be-bo3/](https://www.ligman.com/benton-bollards-be-bo3/)

---

### Discontinued

Cost-effective classic exterior pendant range. Elegant urban form with lateral light accent and optional shades.

[https://www.ligman.com/columbus-discontinued-co-pe3/](https://www.ligman.com/columbus-discontinued-co-pe3/)

**LIGHTALK**

Efficient quality linear fixture portfolio. Coordinated pendant range with multiple optics and component options.


---

### Discontinued

Compact, screened surface pendant fixtures. Residential-scale, providing soft downward and vertical illumination.


**VEKTER**

Flexible bollard pathway and way finding luminaires. Sleek, angular, technical and powerful professional lighting solutions.


---

**ABACUS**

Range-extending bollard version of our ground-breaking wall family. Beautiful and contemporary bollard mounted fixtures suitable for any location.

[https://www.ligman.com/abacus-bollards-ab-bo3/](https://www.ligman.com/abacus-bollards-ab-bo3/)
# Luminaires made to order for Vertical solar PV poles

<table>
<thead>
<tr>
<th>Bollards</th>
<th>Description</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBX</td>
<td>Contemporary wayfaring finding fixture for glare free visual comfort. Sophisticated design that looks beautiful in both daytime and nighttime.</td>
<td><a href="https://www.ligman.com/lbx-bollards-lb-bo3/">https://www.ligman.com/lbx-bollards-lb-bo3/</a></td>
</tr>
<tr>
<td>CONCORD</td>
<td>Shielded classic bollard luminaire. Completely shielded simple lines, a modern twist on the characteristic cannon bollard form.</td>
<td><a href="https://www.ligman.com/concord-bollards-con-bo3/">https://www.ligman.com/concord-bollards-con-bo3/</a></td>
</tr>
<tr>
<td>ECO</td>
<td>Robust urban bollard pathway and stair luminaire. Designed to deliver edge to edge task levels from a classic form-factor.</td>
<td><a href="https://www.ligman.com/eco-bollards-ec-bo3/">https://www.ligman.com/eco-bollards-ec-bo3/</a></td>
</tr>
<tr>
<td>ELMET</td>
<td>Chic and unique bollard fixture. Commanding lateral lighting performance for wide-spread distribution applications.</td>
<td>Discontinued</td>
</tr>
<tr>
<td>EURASIA</td>
<td>High-visual-comfort bollard family. Robust but decorative urban lighting family with perfect glare-controlled lateral light distribution.</td>
<td><a href="https://www.ligman.com/eurasia-bollards-eu-bo3/">https://www.ligman.com/eurasia-bollards-eu-bo3/</a></td>
</tr>
<tr>
<td>GINO</td>
<td>Single &amp; twin sided bollard area lighting range. Sleek, compact and expansive luminaire family with lighting packages and optics to address any need.</td>
<td>Discontinued</td>
</tr>
</tbody>
</table>

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02:14, 07-09-2021


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Thailand
+66 2 108 6700
info@ligman.com
Luminaires made to order for Vertical solar PV poles

High performance, high output and numerous options ensure JET can be configured for any application. Sleek shallow heads for single or double-sided exceptional optical performance and minimal footprint.

https://www.ligman.com/jet-bollards-je-bo3/

Area distribution bollard-integrated projectors. Stylish but technically precise area lighting solutions as part of a large flexible family.


Indirect light-emitting bollard range. Smooth and sharp devised bollard family with wonderful soft controlled lighting options.


Wide-distribution bollard fixture. Clean and effortlessly simple design bollard family with perfectly controlled wide-reaching light throw.


Robust shielded bollard family. Human-scale rural bollard aesthetic with an exquisite unidirectional lighting effect.


Miniature garden spike pillars. Playful domestic-scale grazing mini-pillar fixtures with commercial-grade material and performance.


Commercial urban space bollard. Sharp and


Sturdy classic bollard pathway and stair


Straight clean round and square shape bollard.


We reserve the right to make technical and design changes.
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Luminaires made to order for Vertical solar PV poles

elegant bollard design which makes a visual statement in the daytime and casts gentle clover-leaf patterns at night.

luminaire. Simple pleasing aesthetic and sturdy construction, perfect for delineating perimeter applications.

Smooth lines complimented with a smooth lighting effect from the opal vertical diffuser.

Time-honored stout pathway bollard range. Unidirectional square-structured bollard range with characteristic lines for a traditional urban setting.

Plain, tranquil and secure bollard family. Pleasing, comfortable bollard choices with soft distributions and many options to fashion to project needs.

Casually ornamental bollard family. Self-effacing and shielded-head design delivers a comfortable glare-free lit effect at night.
https://www.ligman.com/texas-discontinued-te-bo3/

Contemporary urban lighting furniture. Open-sided, three lattice pattern options or your bespoke design.

Compact stout public realm way-finding. 360°, 180° or double-sided way finding options ensures guidance provision and strong pleasingly anonymous footprint.

Compact decorative landscape way-finding. Minimalist solutions delivering a play of illuminate patterns.
Luminaires made to order for Vertical solar PV poles

Outdoor

Floodlights, projectors and column projectors


ZAAB
Floodlights, projectors

Adjustable surface projector family. Conical, stylish projector range with a wealth of options and accessories.

https://www.ligman.com/zaab-floodlights-projectors-za-pr3/

ZAAB
Cluster column projectors

Adjustable column projector cluster solution. Flexible project solutions in attractive cluster arrangements using the conical-shaped stylish ZAAB projector range.


QUANTUM
Floodlights, projectors

Adjustable surface-mounted technical projectors. New large premium projector, extending the family with stylish modern design, unique rotary thermal guard and up to 27,000 delivered lumens.


QUANTUM
Cluster column projectors

Adjustable column technical projector cluster solution. Flexible technical project solutions in attractive cluster arrangements using the stylish premium QUANTUM projectors.


GANDALF
Floodlights, projectors


LADOR
Floodlights, projectors

Square surface architectural floodlight range. Four sizes of square artistic precision with LADOR
Cluster column projectors

Adjustable column architectural cluster solution. Flexible project solutions in attractive


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Europe
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VGP Park Ústí nad Labem
P 2 120
40317, Prestanov
Czech Republic
+420 477 071 500
sales.cz@ligman.com

LIGHTALK
Wall washer floodlights

Efficient quality linear fixture portfolio. Coordinated grazing-floodlight range with
Luminaires made to order for Vertical solar PV poles

- **MIC** Floodlights, projectors
  - Adjustable fixed-base projector family. Popular identity, available in four casting sizes and various mounting, shielding and control options.

- **MIC** Bracket mounted projectors
  - Adjustable long-arm projector family. Popular identity, available in three casting sizes and various mounting, shielding and control options.

- **MIC** Standing mounted projectors
  - Adjustable pillar-base projector family. Popular identity, available in three casting sizes and various mounting, shielding and control options.

- **MIC** Cluster column projectors
  - Adjustable column projector cluster solution. Flexible project solutions in attractive cluster arrangements using the popular form-factor MIC series of projectors.

- **ODESSA** Floodlights, projectors
  - Stylish adjustable projector range. Naturally beautiful and unique contemporary family, ODESSA packs a punch with an abundance of options and accessories.

- **ODESSA** Cluster surface mounted projectors
  - Stylish adjustable triple-projector frame system. Naturally beautiful and unique contemporary family, ODESSA packs a punch and this exceptional frame system affords consolidated and concealed mounting and aiming.
Luminaires made to order for Vertical solar PV poles

ODENSA
Cluster column projectors
Adjustable column stylish projector cluster solution. Flexible project solutions in symmetrical cluster arrangements utilizing the naturally beautiful and unique contemporary ODESSA projector range.
https://www.ligman.com/odessa-cluster-column-projectors-odes-pr3/

ODENSA
Column projectors
Adjustable column stylish projector spiral-cluster solution. Flexible project solutions in attractive spiral cluster arrangements utilizing the naturally beautiful and unique contemporary ODESSA projector range.
https://www.ligman.com/odessa-column-projectors-odes-pr3/

ODENSA
Tapered-column projectors
Tapered-column stylish spiral-cluster projector solution. Flexible project solutions on gently tapering spike column utilizing and spiral arrangement of the naturally beautiful and unique contemporary ODESSA projector range.
https://www.ligman.com/odessa-tapered-column-projectors-odes-pr3/

PARAGON
On-ground uplight
On-ground surface fixed up light. Solid up lighting solutions providing a visually clean surface appearance or for use for instances where in-ground fixtures cannot be utilised.
https://www.ligman.com/paragon-on-ground-uplight-pa-pr3/

UTAH
Floodlights, projectors
Miniature adjustable projector range. Contemporary simplicity and a diminutive footprint allows designers to paint landscaping with light whilst avoiding visual clutter.
https://www.ligman.com/utah-floodlights-projectors-ut-pr3/

ZEAT
Floodlights, projectors
Petite adjustable projector family. Rugged looks and available in three sizes for flexible and affordable landscape lighting.
https://www.ligman.com/zeat-floodlights-projectors-ze-pr3/

Light columns
Outdoor
https://www.ligman.com/light-columns-outdoor

Accessories
https://www.ligman.com/accessories-a1/

Pole accessories
https://www.ligman.com/pole-accessories-a

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Luminaires made to order for Vertical solar PV poles

Outdoor luminaire accessories
Accessories

Indoor luminaire accessories
Accessories
https://www.ligman.com/indoor-luminaire-accessories-accessories-ail02/

Track accessories
Accessories
https://www.ligman.com/track-accessories-accessories-at02/

Tracks
https://www.ligman.com/tracks-t1/

Streamlined multi function. Clean-lined, smooth round decorative ambient lighting column with either lateral diffuser optic or triple or quadruple-internal adjustable projector options.

Modern urban lighting furniture. Fashionable contemporary structures creating glare-free soft illumination patterns, available with optional top-mounted adjustable accent projectors.

Column light-structure. Unique and innovative light structure solution with a maritime flavor. Optional heights, frames sizes and projector arrangements afford complete project tailoring.

Commercial urban space column. Sharp and elegant column design which makes a visual statement in the daytime and casts gentle clover-leaf patterns at night.

Straight clean round and square shape column. Smooth lines complimented with a smooth lighting effect from the opal vertical diffuser.

We reserve the right to make technical and design changes.

02:14, 07-09-2021

Luminaires made to order for Vertical solar PV poles

TAURAS
Light columns
Plain, tranquil and secure column family. Pleasing, comfortable column choices with soft distributions and many options to fashion to project needs.

VANCOUVER
Light columns
Total urban realm lighting solution. Optional heights, accent projectors, accessories and decorative lattice panels.

ANDERSON
Post top luminaires
Smart ambient lighting post top. Fashionable and sleek urban post top delivering controlled ambient area lighting.

ANESEI
Post top luminaires
Technical post top. Deceptively urban aesthetic post top packs a punch with street lighting type precise optic options.

ARIZONA
Post top luminaires
Streamlined lighting post top. Clean-lined, smooth round decorative ambient lighting post top with clear PMMA diffuser.

ATLANTIC
Shepherd's crook post top luminaires
Classic urban neighbourhood post top

COLUMBUS
Discontinued
Cost-effective classic exterior post top range.

ATLANTIC
Post top luminaires
Classic urban neighbourhood post top

We reserve the right to make technical and design changes.
Outdoor Luminaires made to order for Vertical solar PV poles

- Luminaire family. Timeless lines coupled with unparalleled build quality, flexibility and performance.

- Elegant urban form with lateral light accent and optional shades.

- Luminaire family. Timeless lines coupled with unparalleled build quality, flexibility and performance.

---

**ATLANTIC**
Shepherd's crook large post top
Classic urban neighbourhood post top luminaire family. Timeless lines coupled with unparalleled build quality, flexibility and performance.

---

**COLUMBUS**
Shepherd's crook post top luminaire
Cost-effective classic exterior post top range. Elegant urban form with lateral light accent and optional shades.

---

**DUOMO**
Discontinued
Compact, screened post top fixtures. Residential-scale family providing soft downward and vertical illumination.

---

**EURASIA**
Post top luminaires
High visual comfort post top family. Robust but decorative urban lighting family with perfect glare-controlled lateral light distribution.

---

**JET**
Post top luminaires
Rectangular form post top downlight. High performance, high output and numerous options ensure JET can be configured for any application.

---

We reserve the right to make technical and design changes.
02:14, 07-09-2021

Europe
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24150, Chachoengsao
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+66 2 108 6700
info@ligman.com
Luminaires made to order for Vertical solar PV poles

**LALUNA**
Post top luminaires
Indirect adjustable reflector post top. Perfect soft-edged ambient lighting and wide distributions delivered from a graceful contemporary structure.

**LOTTO**
Discontinued
Timeless urban post top. A sister range to SPACE. Simple and elegant post top perfect for human scale project solutions benefiting from its shielded soft light distribution.

**MACARON**
Post top luminaires
Beautiful modern urban post top in either single or twin arm configuration, offering powerful street lighting and asymmetric beam performance choices.

**MIC**
Post top luminaires
Column-mounted indirect-reflector projector post top. Soft, indirect-reflected ambient lighting solutions using the popular form-factor MIC series projector.

**MILLENIUM**
Post top luminaires
Enduring public realm post top. Everlasting appearance coupled with quality construction and controlled lighting distribution.

**QBA**
Post top luminaires
Sealed-optic urban post top. Traditional urban realm lighting post top with external diffuser cover and clean lines.

**SPACE**
Discontinued
Timeless urban post top. A sister range to LOTTO offering a wider distribution coupled with an everlasting appeal and high-quality.

**SYNDY**
Post top luminaires
Indirect mirror-reflector post top. Technically precise indirect ambient lighting using faceted mirror reflectors atop elegant columns with

**TANGO**
Post top luminaires
Square or circular form technical post top range. Flexible post top lighting solutions for perfect symmetrical or asymmetrical task.
Luminaires made to order for Vertical solar PV poles

We reserve the right to make technical and design changes.

02:14, 07-09-2021


Outdoor

Street & area lighting luminaires

LIGHT LINEAR DENVER
Street & area lighting luminaires

LIGHT LINEAR PT
Street & area lighting luminaires

LIGHT LINEAR VT
Street & area lighting luminaires

QUANTUM
Street & area lighting luminaires

STEAMER
Street & area lighting luminaires

VEKTER

GANDALF

MAR

construction.

https://www.ligman.com/space-discontinued-sp-po3/

concealed uplight.


lighting.


Street & area lighting luminaires

Public realm contemporary column family. Exclusive and charismatic column-mounting system offering infinite opportunities and different permutations.


Public realm contemporary column family. Stylish but technically precise area lighting solutions as part of a large flexible family.


Adjustable column-mounted technical projector solution. Flexible technical project solutions in attractive column-downlight using the stylish premium QUANTUM projectors.


Column-mounted contemporary area lighting family. Modern and powerful high-end column range using optimum-quality area floodlights.

Luminaires made to order for Vertical solar PV poles

**Street & area lighting luminaires**

Flexible column-mounted floodlighting and area luminaires. Sleek, angular, technical and powerful professional lighting solutions.


**Adjustable column-mounted area floodlight. Powerful, flexible and cost-effective family with a vast array of technical optic choices.**


**Circular column-mounted area downlight. Quintessential wolf in sheep's clothing; street lighting performance hidden inside urban lighting form.**


**MARTINI Street & area lighting luminaires**

Slim, adjustable area-lighting column fixture family. Sharp, sleek profile hides copious precise beam options coupled with added adjust ability.


**MUSTANG Street & area lighting luminaires**

Rectangular, adjustable area lighting column fixture family. Timeless angular form factor with a multitude of output choices to suit all area applications.


**POWERMISSION Street & area lighting luminaires**

Column-mounted street lighting family. Innovative, high-performance, sustainable, flexible and future proof street lighting range.


**TRIANGLE Street & area lighting luminaires**

Triangular column-mounted family. High-protection, stealth-like and angular range aesthetic, encasing a wide variety of technical optic options.


**Surface wall luminaires Indoor**

https://www.ligman.com/surface-wall-luminaires-indoor-sur2/

**NYBRO Surface wall luminaires**

Pendant, surface and recessed interior lighting system. Powerful, flexible continuous illumination with a myriad of light source and control options.


---

We reserve the right to make technical and design changes.

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Outdoor

Luminaires made to order for Vertical solar PV poles

https://www.ligman.com/surface-ceiling-luminaires-indoor-cell2/

NYBRO
Surface ceiling luminaires

Pendant, surface and recessed interior lighting system. Powerful, flexible continuous illumination with a myriad of light source and control options.


OULU
Surface ceiling luminaires

Unique family of curved extruded linear fixtures. Release your imagination, designing spaces with multiple curves in the OULU range.


We reserve the right to make technical and design changes.

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Luminaires made to order for Vertical solar PV poles

Outdoor


GAVLE
Surface ceiling luminaires
Comprehensive range of clean-edged interior circular ring fixtures. Powerful and technical performance options shrouded in a minimalist aesthetic form.

GAVLE
Recessed ceiling luminaires
Comprehensive range of clean-edged interior circular ring fixtures. Powerful and technical performance options shrouded in a minimalist aesthetic form.

GAVLE
Pendant luminaires
Comprehensive range of clean-edged interior circular ring fixtures. Powerful and technical performance options shrouded in a minimalist aesthetic form.

MALMO
Surface ceiling luminaires
Circular recessed, surface and pendant luminaire family. Stylish luminaires providing simultaneous soft ambient lighting and an interior design statement.

MALMO
Pendant luminaires
Circular recessed, surface and pendant luminaire family. Stylish luminaires providing simultaneous soft ambient lighting and an interior design statement.

ARDEN
Surface ceiling luminaires
Impressive array of sophisticated workplace ambient panels. Beautiful retro-contemporary interior lighting from LIGMAN.

ARDEN
Recessed ceiling luminaires

ARDEN
Pendant luminaires

PITTSFIELD
Surface ceiling luminaires

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info@ligman.com
Luminaires made to order for Vertical solar PV poles

Impressive array of sophisticated workplace ambient panels. Beautiful retro-contemporary interior lighting from LIGMAN.


Impressive array of sophisticated workplace ambient panels. Beautiful retro-contemporary interior lighting from LIGMAN.


Linear suspended, recessed and surface ambient lighting. Expansive and elegant portfolio of rectilinear workplace lighting fixtures.


PITTSFIELD

Recessed ceiling luminaires

Linear suspended, recessed and surface ambient lighting. Expansive and elegant portfolio of rectilinear workplace lighting fixtures.


PITTSFIELD

Pendant luminaires

Linear suspended, recessed and surface ambient lighting. Expansive and elegant portfolio of rectilinear workplace lighting fixtures.


NYBRO JUNCTION

Pendant luminaires

Angles and intersection joint units for the NYBRO system. Style NYBRO in creative patterns or to follow the building form.


PIAZZA

Ceiling and wall mounted luminaire


NYBRO JUNCTION

Surface ceiling luminaires

Angles and intersection joint units for the NYBRO system. Style NYBRO in creative patterns or to follow the building form.


NYBRO JUNCTION

Recessed ceiling luminaires

Angles and Intersection joint units for the NYBRO system. Style NYBRO in creative patterns or to follow the building form.


We reserve the right to make technical and design changes.

02:14, 07-09-2021

Outdoor

Luminaires made to order for Vertical solar PV poles

MALMO
Recessed ceiling luminaires
Circular recessed, surface and pendant luminaire family. Stylish luminaires providing simultaneous soft ambient lighting and interior design statement.

MARYS
Recessed downlights
Recessed downlights available in six diameters. Simple and refined downlighting solutions for all your project needs.

JASPER
Recessed downlights
Directional recessed accent lighting range. Variable technical options and wide range of optics and lumen packages.

HAYS
Recessed downlights
Recessed adjustable low-glare accent family. Complimentary interior lighting solution for accent lighting.

AMOS
Recessed downlights
Recessed, regressed low-glare downlight family. Perfect controlled lighting environments and no fuss.

BAKER
Recessed downlights
Recessed low-glare asymmetric wall washers. Invisible wall lighting with perfect glare control.
https://www.ligman.com/baker-recessed-do

SIDNEY
Recessed downlights
Discrete, minimal-footprint regressed downlights. Perfect for providing precise task lighting from the most compact of packages.

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### Outdoor Luminaires made to order for Vertical solar PV poles

*Outdoor Luminaires made to order for Vertical solar PV poles*


<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Status</th>
<th>Additional Information</th>
</tr>
</thead>
</table>
| ROCKY | Modular multiple recessed directional downlights |  | Single directional downlight, part of the Modular range. Modular: flexibility in a host of technical configurations.  
| CEDAR | Modular multiple recessed directional downlights |  | Twin directional downlight, part of the modular range. Modular: flexibility in a host of technical configurations.  
| HUGO | Discontinued |  | Triple directional downlight, part of the modular range. Modular: flexibility in a host of technical configurations.  
https://www.ligman.com/hugo-discontinued-hu-mo3/ |
| TUSCON | Discontinued |  | Quadruple-linear directional downlight, part of the Modular range. Modular: flexibility in a host of technical configurations.  
https://www.ligman.com/tuscon-discontinued-tu-mo3/ |
| NORTON | Discontinued |  | Quadruple-cluster directional downlight, part of the modular range. Modular: flexibility in a host of technical configurations.  
https://www.ligman.com/norton-discontinued-no-mo3/ |
| ROY | Luminaires for track |  | Family of interior track accent lighting fixtures. ROY; tailorable track and spot system for specific project solutions.  
https://www.ligman.com/roy-luminaires-for-track-ro-sp3/ |

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info@ligman.com
Outdoor

Luminaires made to order for Vertical solar PV poles

https://www.ligman.com/urban-lighting-with-occupancy-sensing-u1/


2 Busbar, 1 Circuit  
Surface mounted tracks

Single circuit busbar track components. Tailorable track and spot system for specific project solutions.

https://www.ligman.com/2-busbar-1-circuit-surface-mounted-tracks-t-su2-1/

4 Busbar, 3 Circuit  
Surface mounted tracks

3-circuit busbar track components. Tailorable track and spot system for specific project solutions.

https://www.ligman.com/4-busbar-3-circuit-surface-mounted-tracks-t-su2-3/

AUGUSTA  
Bollards

Elegant architectural frame family. Glare-free concealed optics in a refined and chic solution to compliment contemporary urban spaces.


MACARON  
Bollards

Modern, contemporary graceful bollard. Beautiful but tough modern urban bollard to compliment the MACARON family, offering powerful asymmetric beam performance through concealed optics.


PRAGUE  
Bollards

Pure design, handsome bollards, delivering glare-free uniform illumination. Technical perfection offering ground-breaking efficiencies and unrivalled project space to height ratios.

https://www.ligman.com/prague-bollards-pr-bo3/

LUNAR  
Post top luminaires

Infinitely flexible, yet unobtrusive post top family. Clean simple lines shroud sophisticated optical options and flexibility to suit all project area lighting needs.


AUGUSTA  
Surface wall luminaires

LEEDS  
Surface wall luminaires

FORREY  
Post top luminaires

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**Outdoor**

## Luminaires made to order for Vertical solar PV poles

**Elegant architectural frame family.** Glare-free concealed optics in a refined and chic solution to compliment contemporary urban spaces.


**Clean, beautiful, single or double sided surface wall-fixtures with class leading performance.** Minimalist form, yet the most powerful and flexible lighting tool of its type, offering packages up to 4000 lumens and various street optic options.


**High efficiency meets the classic form factor.** Complete range of decorative lighting solutions packing a punch with multiple beam distributions and superior efficacies.


**FORREY**

- **Bollards:**
  - High efficiency meets the classic form factor. Complete range of decorative lighting solutions packing a punch with multiple beam distributions and superior efficacies.

- **Pendant luminaires:**
  - High efficiency meets the classic form factor. Complete range of decorative lighting solutions packing a punch with multiple beam distributions and superior efficacies.

- **Surface wall luminaires:**
  - High efficiency meets the classic form factor. Complete range of decorative lighting solutions packing a punch with multiple beam distributions and superior efficacies.

**FORREY**

- **Post top luminaires:**
  - Sophisticated, yet robust, public realm area-lighting post top. High IP and IK resistance with elegant lines and commanding technical optical performance choices to meet any lighting brief.

**ABERDEEN**

- **Street & area lighting luminaires:**
  - Innovative, high-performance, sustainable street and area lighting family. Future proof solutions offering flexible glare-controlled optic options, high efficacies, robust environmental protection and a slim attractive profile.

**MACARON**

- **Catenary luminaire:**
  - Modern, contemporary wire-suspended system. Beautiful and elegant catenary solutions. Perfect for historic, narrow or leafy streets, offering powerful central-asymmetric beam performance choices.
Luminaires made to order for Vertical solar PV poles

ALDO
Surface facade luminaires
Elegant slim, low profile high brightness LED linear luminaire for wall washer and LED video display application.

PATCHI
Surface wall luminaires
Ultra-slim performance linear profile for close mounting wall grazing and dynamic applications.

POWERMISION (·)
Discontinued

VANCOUVER
Surface facade luminaires
Contemporary urban lighting furniture. Open-sided, three lattice pattern options or your bespoke design.

PETRA
In-ground luminaires
Precise optics and exceptional light quality housed within a resilient luminaire design. An in-ground lighting designer’s tool for the future.

DUOMO
Discontinued

Specific poles for products as accessory Poles
https://www.ligman.com/specific-poles-for-products-as-accessory-poles-spfp01/

L-COLUMN
Intelligent light column
A sleek configurable smart lighting column system offering unlimited options for urban and public realm illumination. With a suite of smart city technology options and infinite configuration possibilities, LIGMAN’s L-

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Luminaires made to order for Vertical solar PV poles

COLUMN is the most powerful and adaptable smart city solution in the marketplace.

VERANDA (-)
Discontinued

LIGHTCONNECT™ Outdoor
Post top luminaires LIGHTCONNECT™ LIGHTCONNECT™ Outdoor

Light columns LIGHTCONNECT™ LIGHTCONNECT™ Outdoor

HAMILTON
Street & area lighting luminaires
Classic urban neighbourhood post-top luminaire family. Timeless lines coupled with unparalleled build quality, flexibility and performance.

HAMILTON
Surface facade luminaires
Classic urban neighbourhood wall-mounted

STEAMER (-)
Discontinued
https://www.ligman.com/steamer-discontinued-

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Luminaires made to order for Vertical solar PV poles

Outdoor luminaire family. Timeless lines coupled with unparalleled build quality, flexibility and performance.

https://www.ligman.com/hamilton-surface-facade-luminaires-ham-su2/

ed-d-st-su3/

ed-d-st-st3/

LIGMAN Tailor-Made

https://www.ligman.com/ligman-tailor-made-tm1/

MUNICH Recessed downlights

Minimalist sealed IP & Fire Rated ultra-shallow downlight. Clean contemporary and compact ingress-proof luminaire for indoor applications.


LINE Continuous LED Solutions

- Flexible LED tape, LINE Series
- IP20 and IP65 options
- Maximum run per power feed is between 5 to 15 m
- 4 W/m to 20 W/m options
- Different CCT options including Tunable white and Single colours

https://www.ligman.com/line-continuous-led-solutions-li02/

PROLINE Continuous LED Solutions

- Flexible LED tape, PROLINE Series
- IP20
- Maximum run per power feed is between 10 to 16 m
- 6 W/m to 30 W/m options
- Different CCT options (2700K, 3000K, 4000K)

https://www.ligman.com/proline-continuous-led-solutions-pro2/

FRAME Bollards

Stylish signature seating-bollard with numerous combination options for finishes and lighting. Combine your luminaire and seating needs into one piece of contemporary urban lighting furniture.


LINE Continuous LED Solutions

- Flexible LED tape, LINE Series
- IP20 and IP65 options
- Maximum run per power feed is between 5 to 15 m
- 4 W/m to 20 W/m options
- Different CCT options including Tunable white and Single colours

https://www.ligman.com/line-continuous-led-solutions-li02/

PROLINE Continuous LED Solutions

- Flexible LED tape, PROLINE Series
- IP20
- Maximum run per power feed is between 10 to 16 m
- 6 W/m to 30 W/m options
- Different CCT options (2700K, 3000K, 4000K)

https://www.ligman.com/proline-continuous-led-solutions-pro2/

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Luminaires made to order for Vertical solar PV poles

Outdoor Luminaires made to order for Vertical solar PV poles

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NEON
Continuous LED Solutions

- Flexible LED tape, NEON Series
- IP67
- IP68 is available upon request
- Different CCT options including RGB, RGBW, Tunable White and Single colours

https://www.ligman.com/neon-continuous-led-solutions-ne02/

PERTH
LED module

Flexible contemporary family of ambient and accent lighting. Extensive range of recessed, surface and pendant mounting trim options.

https://www.ligman.com/perth-led-module-p-e-d03/

Surface mounting boxes
Outdoor luminaire accessories

https://www.ligman.com/surface-mounting-boxes-outdoor-luminaire-accessories-smb-aol03/

Motion sensors
Outdoor luminaire accessories

https://www.ligman.com/motion-sensors-outdoor-luminaire-accessories-ms-aol03/

Anchor bolts
Outdoor luminaire accessories

https://www.ligman.com/anchor-bolts-outdoor-luminaire-accessories-ab-aol03/

Colour filters
Outdoor luminaire accessories

https://www.ligman.com/colour-filters-outdoor-luminaire-accessories-cf-aol03/

Anti-glare accessories
Outdoor luminaire accessories

https://www.ligman.com/anti-glare-accessories-outdoor-luminaire-accessories-aga-aol03/

Root mount kits
Outdoor luminaire accessories

https://www.ligman.com/root-mount-kits-outdoor-luminaire-accessories-rmk-aol03/

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Luminaires made to order for Vertical solar PV poles

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<thead>
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<th>Location</th>
<th>Type</th>
<th>Description</th>
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<tbody>
<tr>
<td>Europe</td>
<td>Outdoor</td>
<td>Mounting accessories</td>
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<tr>
<td></td>
<td>Outdoor luminaire</td>
<td><a href="https://www.ligman.com/mounting-accessories-outdoor-luminaire-accessories-ma-aol03/">https://www.ligman.com/mounting-accessories-outdoor-luminaire-accessories-ma-aol03/</a></td>
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<td>Accessories</td>
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<td>Indoor</td>
<td>Luminaires for track</td>
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<tr>
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<td>HAMBURG</td>
<td>Luminaires for track</td>
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<td></td>
<td></td>
<td>Sleek track-mounted range of spotlights with high CRI.</td>
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<td><a href="https://www.ligman.com/hamburg-luminaires-for-track-ham-lft3/">https://www.ligman.com/hamburg-luminaires-for-track-ham-lft3/</a></td>
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<td>BERLIN</td>
<td>Luminaires for track</td>
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<td>Professional, powerful compact track spotlight family.</td>
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<tr>
<td></td>
<td>HELSINKI</td>
<td>Luminaires for track</td>
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<td>Elegant variable-beam track spotlight. Class-leading 15-50 degree site focusable spotlight.</td>
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<td>TOKYO</td>
<td>Luminaires for track</td>
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<td></td>
<td>Simple and clean MR-16/Gu10 surface and track family.</td>
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<td><a href="https://www.ligman.com/tokyo-luminaires-for-track-tok-lft3/">https://www.ligman.com/tokyo-luminaires-for-track-tok-lft3/</a></td>
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We reserve the right to make technical and design changes.

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Luminaires made to order for Vertical solar PV poles

[Images and descriptions]

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Luminaires made to order for Vertical solar PV poles

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VIENNA
Recessed ceiling luminaires

Minimalist interior space high-quality ambient lighting family. High-lumen packages with clean contemporary lines.


ARUBA
Recessed ceiling luminaires

Simple, economic light panels with controlled-glaire optics. Minimal depth and form factor for delivering space illumination.


ODESSA
Gobo projectors

Elegant and powerful Gobo projector to match the entire ODESSA 2 family of fixtures and an added tool for clusters, columns and structures. Optional focal lengths, able to take both metal and glass size E gobos and IP66 protection with a unique side-entry hatch for site focusing and gobo rotation.

https://www.ligman.com/odessa-gobo-projectors-odgb-pr3/

YORK
Recessed ceiling luminaires

Flexible family of interior modular fixtures. Traditional aesthetic diffusers and form factors.


Accessories

Aluminium profiles & Accessories

https://www.ligman.com/aluminium-profiles-accessories-accessories-apa02/

Aluminium profiles & Accessories

Aluminium profiles

https://www.ligman.com/aluminium-profiles-aluminium-profiles-accessories-ap-apa03/
Outdoor

Luminaires made to order for Vertical solar PV poles

HYGGE - “hoo-gah” - A Danish way of living and wellness that focuses on cosiness and creating a safe, comforting and warm place to be together.

https://www.ligman.com/hygge-h1/

Pendant luminaires
HYGGE

https://www.ligman.com/pendant-luminaires-hygge-hpen2/

Surface ceiling luminaires
HYGGE

https://www.ligman.com/surface-ceiling-luminaires-hygge-hcel2/

Surface wall luminaires
HYGGE

https://www.ligman.com/surface-wall-luminaires-hygge-hsur2/

Table floor luminaires
HYGGE

https://www.ligman.com/table-floor-luminaires-hygge-htfl2/

BORNHOLM
Recessed underwater projectors

Sophisticated underwater recessed family available in four sizes, with a wide range of lumen outputs, multiple beam angles and RGBW versions to suit any project brief.


FUNEN
Underwater projectors, floodlights

High-performing adjustable underwater spotlight range. The complete professional underwater system offering RGBW options and extensive source and optic combinations.


SANTANDER
Post top luminaires


MALTAW
Handrail system


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info@ligman.com
Outdoor luminaires made to order for Vertical solar PV poles

Modern and clean urban post top. Its delicate open-head design hiding technically precise asymmetric and symmetric street optics.


Sleek exterior stainless steel or aluminium illuminated handrail system with concealed continuous downward light distribution.


Security bollards

Outlook

https://www.ligman.com/security-bollards-outdoor-sb2/

LADOR

Fixed-base projectors

Square surface architectural fixed-base projector range. Four sizes of square artistic precision with wide range of beam distributions.


ODESSA

Fixed-base projectors

Stylish fixed-base projector range. Naturally beautiful and unique contemporary family, ODESSA packs a punch with an abundance of options and accessories.


ODESSA

Fixed-base gobo projectors

Elegant and powerful fixed-base gobo projector to match the entire ODESSA 2 family of fixtures and an added tool for clusters, columns and structures. Optional focal lengths, able to take both metal and glass size-E gobos and IP66 protection with a unique side-entry hatch for site focusing and gobo rotation.


AUSTIN

Surface facade luminaires

Contemporary, angular wall-mounted downlight. Diverse glare-free optical range, high performance and high output make AUSTIN a versatile option for multiple applications.


https://www.ligman.com/service-station-lighting-outdoor-ssl-02/

Service station lighting

Outdoor

We reserve the right to make technical and design changes.

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Luminaires made to order for Vertical solar PV poles

**POWERVISION**
Recessed under-canopy luminaires

Modular under-canopy recessed service station range. Powerful, efficient and sustainable solutions for petrol station environments.


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**Cylindrical, straight aluminium lighting poles**

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**Cylindrical, stepped galvanised steel lighting poles**

---

**Cylindrical, tapered galvanised steel lighting poles**

---

**Square, straight aluminium lighting poles**

---

**Square, straight galvanised steel lighting poles**

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**Security bollard structures**

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**LIGHT LINEAR PT-X**
Street & area lighting luminaires

High output and performance range within the LIGHT LINEAR family. Stylish contemporary solution for major roads and large area applications.

https://www.ligman.com/light-linear-pt-x-str
### Luminaires made to order for Vertical solar PV poles

**Poles**

Galvanised steel lighting columns covered with Vertical solar PV


**QUARTER**

Elegant, curved profile post-top range. High lumen output and a variety of technical optical solutions ensure that QUARTER is suitable for a wide range of applications.


**KWH**

Rounded profile linear post-top luminaire. Robust, tiltable body offered in different lengths providing multiple optical and professional area lighting solutions.


**LADOR (-)**

Cluster column projectors with cylindrical, straight aluminium pole


**NEON accessories**

Indoor luminaire accessories

https://www.ligman.com/neon-accessories-indoor-luminaire-accessories-na-ail03/

### Mounting accessories

**Indoor luminaire accessories**

### Optical accessories

**Indoor luminaire accessories**

### Drivers

**Indoor luminaire accessories**

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Luminaires made to order for Vertical solar PV poles

Outdoor luminaires made to order for Vertical solar PV poles

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https://www.ligman.com/mounting-accessories-indoor-luminaire-accessories-vaill03/
https://www.ligman.com/optical-accessories-indoor-luminaire-accessories-oa-all03/
https://www.ligman.com/drivers-indoor-luminaire-accessories-dr-all03/

Emergency modules
Indoor luminaire accessories

https://www.ligman.com/emergency-modules-indoor-luminaire-accessories-em-all03/

Decorative patterns
Indoor luminaire accessories

https://www.ligman.com/decorative-patterns-indoor-luminaire-accessories-dp-all03/

Gobos
Outdoor luminaire accessories

https://www.ligman.com/gobos-outdoor-luminaire-accessories-gb-aol03/

Outdoor luminaires
HYGGE

https://www.ligman.com/outdoor-luminaires-hygge-hol2/

ODESSA
Long arm mounted projectors
Stylish adjustable projector range with an extended arm, available wall-mounted or threaded for ease of installation. A beautiful, unique contemporary family, ODESSA packs a punch with an abundance of options and accessories.

https://www.ligman.com/odessa-long-arm-mounted-projectors-odessaod-pr3/

LADOR
Long arm mounted projectors
Square adjustable architectural floodlight range with an extended arm, available wall-mounted or threaded for ease of installation. Four sizes of square artistic precision with a wide range of beam distributions.


AUBAINE
Street & area lighting luminaires
Public realm contemporary column family. Stylish but technically precise area lighting


NORDSTROM
Floodlights, projectors
Square surface architectural floodlight projector range, with a comprehensive


AURORA
Surface facade luminaires
Modern circular surface mounted low profile luminaire, utilising precision 360° light blade

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Cylindrical, straight aluminium lighting poles with illuminated decorative graphic


NATURE SOURCE
Solar integrated post top luminaire

Contemporary eco-conscious family of luminaires. Featuring sleek modern housing, integrated motion and sunlight sensors, solar charging, and programmable dimming.


SINDHU Bollards

Modern, discrete way-finding bollard luminaire. Featuring 360°, 270°, 180° or 90° beam distribution for uninterrupted pedestrian lighting.


FREETOWN Bollards

Modern urban lighting furniture. Impact resistant, way finding bollard in contemporary minimalist design. Glare free light distribution.


ATLANTIC (−) Discontinued

https://www.ligman.com/atlantic-discontinued-d-d-atl-su3/

Surface facade luminaires LIGHTCONNECT™ LIGHTCONNECT™ Outdoor

https://www.ligman.com/surface-facade-luminaires-lightconnect-lightconnect-outdoor-sulc2/
## Luminaires made to order for Vertical solar PV poles

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<th>Luminaires</th>
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<td>Solar integrated bollards</td>
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Indirect light-emitting bollard range with integrated solar panels. Smooth and sharp devised bollard family with digital controller and integrated battery enabling both mains and

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Luminaires made to order for Vertical solar PV poles

Solar power supply.


**LEEDS WEDGE**
Surface wall luminaires

Contemporary, angular surface-mounted downlight available in three different widths with corresponding lumen packages. Offering a variety of beam options, LEEDS WEDGE provides a versatile solution in an aesthetically pleasing form.


**PRAGUE**
Solar integrated bollards

Contemporary, handsome bollards, delivering glare-free illumination. Precision optics for unrivalled space to height ratio and solar photovoltaic panels providing off-grid independent operation.


**AUGUSTA**
Solar integrated bollards

Elegant architectural frame family with integrated solar photovoltaic panels. Glare-free concealed optics in a refined and chic solution to complement contemporary urban spaces.


**Tennis court lighting**

Outdoor


**KWH**
Floodlights, projectors and column projectors

Linear, rounded profile luminaire with surface-mounting bracket. Robust, tiltable body, offered in different lengths providing multiple optical and professional lighting solutions for building, area and facade lighting.


**BILLUND (-)**
Discontinued

https://www.ligman.com/billund-discontinued-d-d-bi-st3/