

Data sheet

## Solar light pole

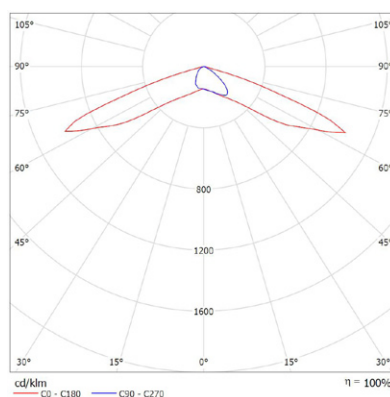
### hei antares 8000 P200-160

A self-sufficient, maintenance-free solar light pole for professional outdoor lighting applications such as *main streets*.

|                           |                         |
|---------------------------|-------------------------|
| <b>Light source</b>       | 10 high-efficiency LEDs |
| <b>max. LED power</b>     | 40 Watt                 |
| <b>max. luminous flux</b> | 6,000 lm                |

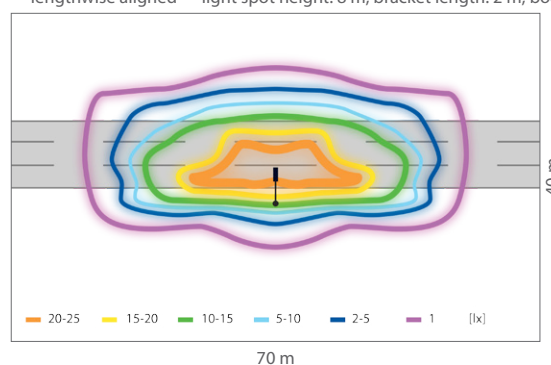
|                          |       |
|--------------------------|-------|
| <b>Pole height</b>       | 8.1 m |
| <b>Light spot height</b> | 8 m   |

#### light distribution curve \*)



#### isolux diagram \*)

lengthwise aligned – light spot height: 8 m, bracket length: 2 m, boom angle 0°



\*) lens type L70

**LUMINAIRE antares 8000 solar**

|                                      |  |
|--------------------------------------|--|
| LED power                            | 40 Watt  |
| max. luminous flux                   | 6,000 lm   |
| Colour temperature                   | 5,300 K (cool white)<br>optional 3,100 K (warm white)<br>4,100 K (neutral white) |
| Colour rendering index (CRI)         | >70  |
| Life time of LEDs (L70/B10)          | > 75,000 hours   |
| Dimensions (length x width x height) | 795 x 130 x 70 mm  |
| Weight                               | 4.2 kg   |
| Material                             | low-copper aluminium   |
| Finishing                            | powder-coated RAL 9006 (white aluminium)   |



**POWER TUBE P200-160 (2 units)**

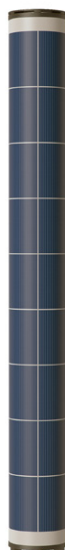
|                        |                     |
|------------------------|---------------------|
| PV-Technology          | silicon-solar cells |
| Number of PV-cells     | 27 pcs              |
| Nominal power PV-cells | 100 Watt            |
| Dimensions             | 1,500 x Ø160 mm     |
| Weight                 | 8 kg                |

**POWER CONTROL**

|                              |                   |
|------------------------------|-------------------|
| Programmable microcontroller | ✓                 |
| Dynamic light profile        | customer-specific |

**BATTERY**

|                                      |                         |
|--------------------------------------|-------------------------|
| Capacity                             | 120 Ah / 12 V           |
| Technology                           | VRLA, cycle-type        |
| Dimensions (length x width x height) | app. 410 x 180 x 225 mm |
| Weight                               | 35 kg                   |



**STANDARDS / COMPLIANCES**

|                           |                             |
|---------------------------|-----------------------------|
| ISO                       | ISO 9001-2008               |
| Illumination              | according EN 13201          |
| Light pole                | EN 40-5, EN40-3-1, ISO 1461 |
| Ingress protection rating | IP66                        |
| EMC                       | EN 55015, EN 61547          |
| Photovoltaics             | EN 61215 (adapted)          |
| Temperature range         | -30 °C to +70 °C            |
| CE                        | ✓                           |
| RoHS                      | ✓                           |

**LIGHT POLE, BRACKET**

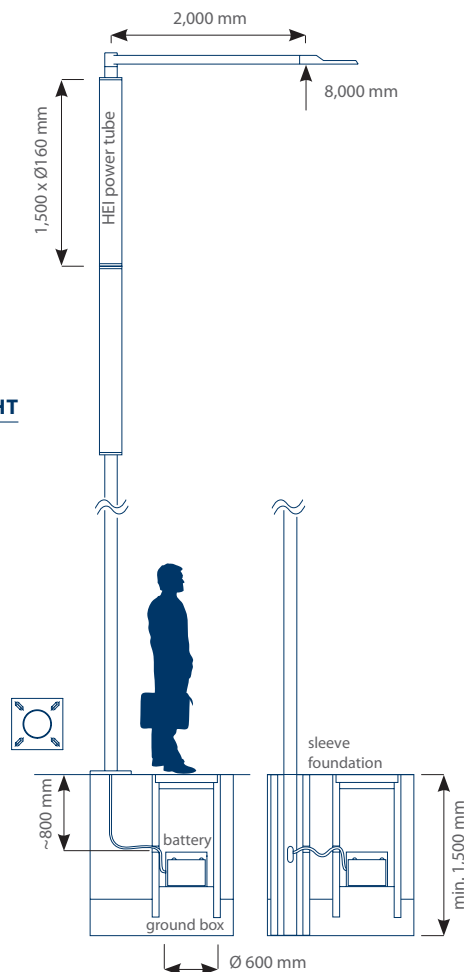
|                |  |
|----------------|--|
| Wind class     | 28 m/s, optional 45 m/s  |
| Pole diameter  | 140 mm (100 mm for 6 m height)                                   |
| Pole weight    | ca. 105 kg   |
| Bracket length | 2,000 mm, optional 2,500 mm                                      |
| Boom angle     | 0°, optional 5°  |
| Bracket weight | 22 kg  |
| Material       | steel  |
| Finishing      | hot-dip galvanized (opt. paint- or powder-coated in RAL colours) |

**SYSTEM WEIGHT**

app. 155 kg (excl. battery)

**Flange plate**

dimensions: 330 x 330 x 20 mm  
hole spacing: 200 to 250 mm



**ORDERING LOGIC**

| order example: hei antares 8000 P200-160 kernel [6-CiP-3100-L80-MS-2.5]        |                                | <b>standard design type: [8-BiG-CiL-5300-L70-2]</b> |                  |                              |                                 |                    |                |                           |  |     |
|--|--------------------------------|---|------------------|------------------------------|---------------------------------|--------------------|----------------|---------------------------|--|-----|
| kernel   | Model                          | Pole height [m]                                     | Battery location | Control electronics location | LED colour temperature [Kelvin] | LED lens type      | Motion sensor  | Hybrid power supply       | Bracket length [m]                                   |     |
|  | antares 8000 P200-160          | standard  | 8                | BiG (ground box)             | CiL (luminaire)                 | 5300               | L70 (70°x140°) | -                         | -  | 2   |
|  | without pole, bracket, battery | options   | 6                |                              | CiP (pole)                      | 3100               | L80 (80°x160°) | MS                        | Hybrid   | 2.5 |
|  |                                |   |                  |                              | 4100                            |                    |                |                           |  |     |
| order example: pole / bracket hei antares 8000 P200-160 [6-flange-45-MD-2.5-0] |                                | <b>standard design type: [8-flange-28-2-0]</b>      |                  |                              |                                 |                    |                |                           |  |     |
| Pole / bracket   | Model                          | Pole height [m]                                     | Foundation       | Wind class [m/s]             | Maintenance door                | Bracket length [m] | Boom angle [°] | Finishing (pole, bracket) |  |     |
|  | antares 8000 P200-160          | standard  | 8                | flange                       | 28                              | -                  | 2              | 0                         | - (hot dip galvanized)                               |     |
|  |                                | options   | 6                | pipe                         | 45                              | MD                 | 2.5            | 5                         | PA (painted RAL 9006)<br>PO (powder coated RAL 9006) |     |