



hei

Data sheet

Solar light pole

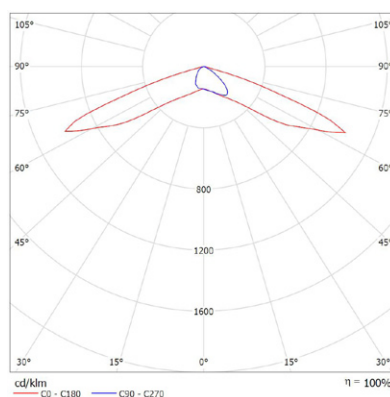
hei antares 8000 twin P400-215

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

| | |
|--------------------|-----------------------------|
| Light source | 2 x 10 high-efficiency LEDs |
| max. LED power | 2 x 40 Watt |
| max. luminous flux | 2 x 6,000 lm |

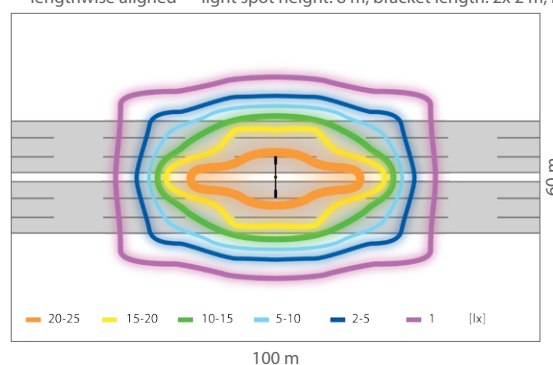
| | |
|-------------------|-------|
| Pole height | 8.1 m |
| Light spot height | 8 m |

light distribution curve *)



isolux diagram *)

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



*) lens type L70

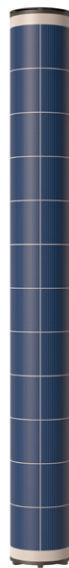
LUMINAIRE antares 8000 solar (2 units)

| | |
|--------------------------------------|--|
| LED power | 40 Watt |
| max. luminous flux | 6,000 lm |
| Colour temperature | 5,300 K (cool white) optional 3,100 K (warm white) 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 P200-215 (2 units)

| | |
|------------------------|---------------------|
| PV-Technology | silicon-solar cells |
| Number of PV-cells | 48 pcs |
| Nominal power PV-cells | 200 Watt |
| Dimensions | 1,977 x Ø215 mm |
| Weight | 16 kg |



POWER CONTROL

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

BATTERY

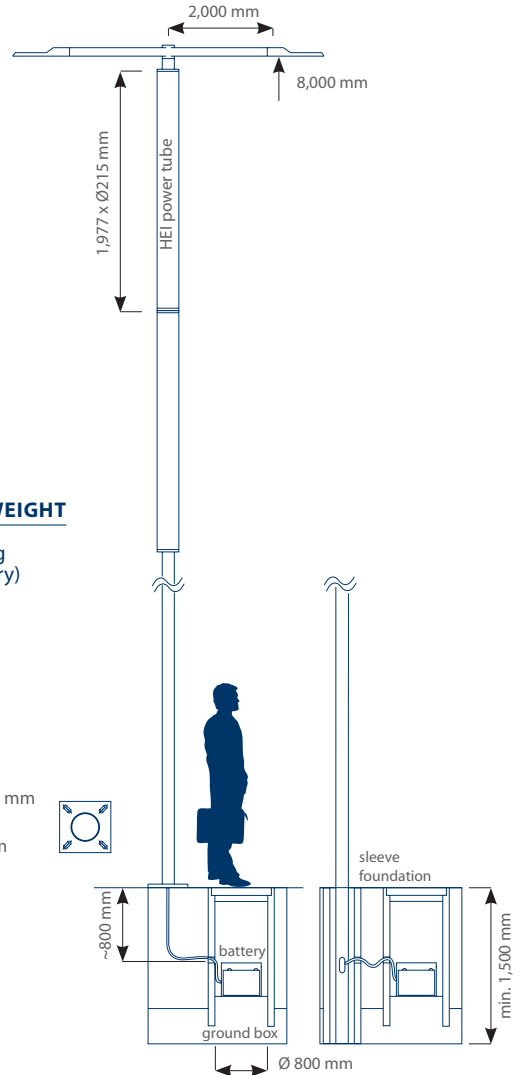
| | |
|--------------------------------------|-------------------------|
| Capacity | 250 Ah / 12 V |
| Technology | VRLA, cycle-type |
| Dimensions (length x width x height) | app. 520 x 270 x 220 mm |
| Weight | 74 kg |

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 |
| Pole weight | ca. 110 kg |
| Bracket length (arm) | 2,000 mm, optional 2,500 mm |
| Boom angle | 0°, optional 5° |
| Bracket weight | 50 kg |
| Material | steel |
| Finishing | hot-dip galvanized (opt. paint- or powder-coated in RAL colours) |



SYSTEM WEIGHT

app. 200 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 twin P400-215 kernel [6-CiP-3100-L80-MS-2.5] | | standard design type: [8-BiG-CiL-5300-L70-2] | | | | | | | | |
|---|--------------------------------|---|------------------|------------------------------|---------------------------------|--------------------|----------------|---------------------------|--|-----|
| 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 twin P400-215 | standard | 8 | BiG (ground box) | CiL (luminaire) | 5300 | L70 (70°x140°) | - | - | 2 |
| | without pole, bracket, battery | options | 10 | | CiP (pole) | 3100 | L80 (80°x160°) | MS | Hybrid | 2.5 |
| order example: pole / bracket hei antares 8000 twin P400-215 [6-flange-45-MD-2.5-0] | | standard design type: [8-flange-28-2-0] | | | | | | | | |
| Pole / bracket | Model | Pole height [m] | Foundation | Wind class [m/s] | Maintenance door | Bracket length [m] | Boom angle [°] | Finishing (pole, bracket) | | |
| | antares 8000 twin P400-215 | standard | 8 | flange | 28 | - | 2 | 0 | - (hot dip galvanized) | |
| | | options | 10 | pipe | 45 | MD | 2.5 | 5 | PA (painted RAL 9006) PO (powder coated RAL 9006) | |