



Data sheet

## Solar light pole

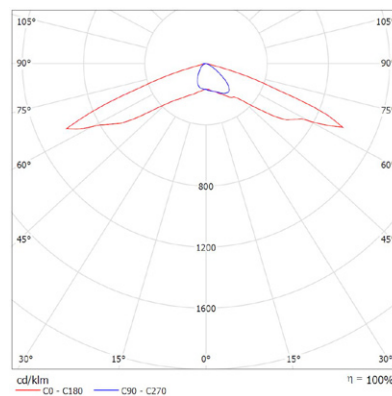
### hei antares 4000 P100-160

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

<b>Light source</b>	5 high-efficiency LEDs
<b>max. LED power</b>	20 Watt
<b>max. luminous flux</b>	3,000 lm

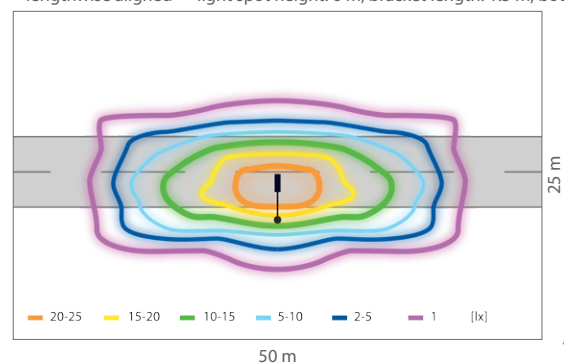
<b>Pole height</b>	6.1 m
<b>Light spot height</b>	6 m

#### light distribution curve \*)



#### isolux diagram \*)

lengthwise aligned – light spot height: 6 m, bracket length: 1.5 m, boom angle 0°



\*) lens type L70

**LUMINAIRE antares 4000 solar**

LED power	20 Watt
max. luminous flux	3,000 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)	470 x 130 x 70 mm
Weight	3.2 kg
Material	low-copper aluminium
Finishing	powder-coated RAL 9006 (white aluminium)



**LIGHT POLE, BRACKET**

Wind class	28 m/s, optional 45 m/s
Pole diameter	100 mm
Pole weight	ca. 71 kg
Bracket length	1,500 mm, optional 1,000 mm
Boom angle	0°, optional 5°
Bracket weight	8 kg
Material	steel
Finishing	hot-dip galvanized (opt. paint- or powder-coated in RAL colours)

**POWER TUBE P100-160**

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	56 Ah / 12 V
Technology	VRLA, cycle-type
Dimensions (length x width x height)	app. 230 x 140 x 210 mm
Weight	18 kg

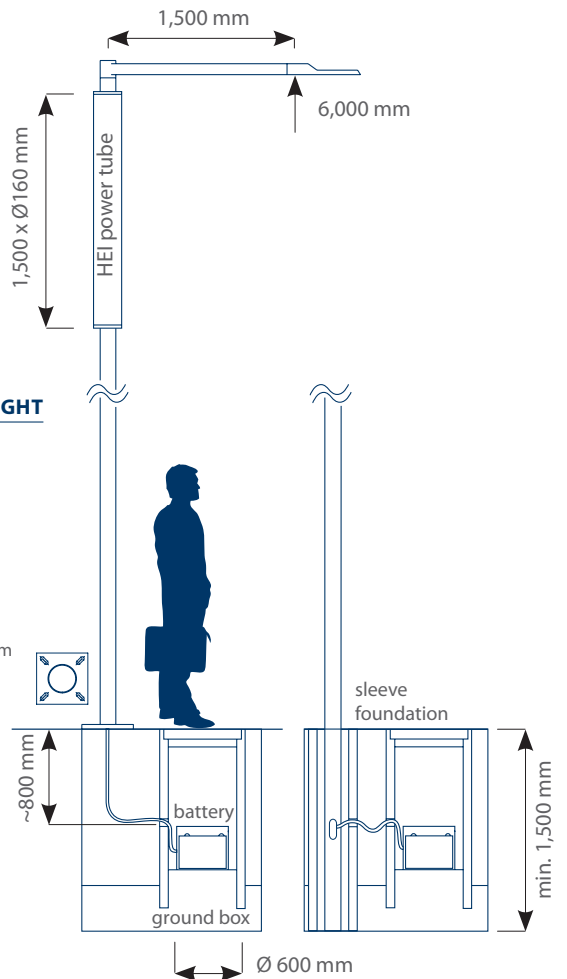
**STANDARDS / COMPLIANCES**

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	✓

**SYSTEM WEIGHT**

app. 95 kg (excl. battery)

**Flange plate**  
dimensions:  
330 x 330 x 20 mm  
hole spacing:  
200 to 250 mm



**ORDERING LOGIC**

order example: hei antares 4000 P100-160 kernel [4.5-CiP-3100-L80-MS-1]		standard design type: [6-BiG-CiL-5300-L70-1.5]							
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 4000 P100-160	standard: 6	BiG (ground box)	CiL (luminaire)	5300	L70 (70°x140°)	-	-	1.5
	without pole, bracket, battery	options: 4.5		CiP (pole)	3100	L80 (80°x160°)	MS	Hybrid	1
					4100				
order example: pole / bracket hei antares 4000 P100-160 [4.5-flange-45-MD-1-0]		standard design type: [6-flange-28-1.5-0]							
Pole / bracket	Model	Pole height [m]	Foundation	Wind class [m/s]	Maintenance door	Bracket length [m]	Boom angle [°]	Finishing (pole, bracket)	
	antares 4000 P100-160	standard: 6	flange	28	-	1.5	0	- (hot dip galvanized)	
		options: 4.5	pipe	45	MD	1	5	PA (painted RAL 9006) PO (powder coated RAL 9006)	