

Data sheet

Solar light pole

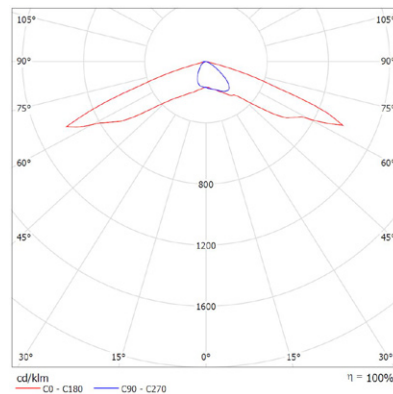
hei antares 2000 P70-160

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

Light source	3 high-efficiency LEDs
max. LED power	12 Watt
max. luminous flux	1,800 lm

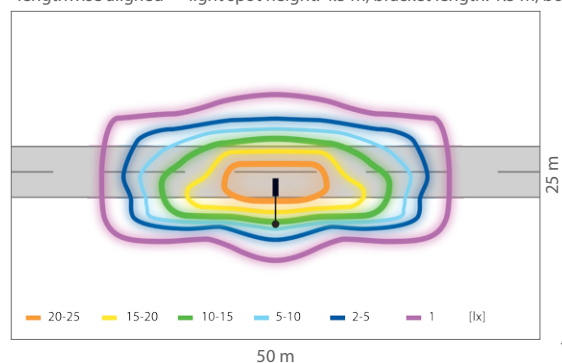
Pole height	4.6 m
Light spot height	4.5 m

light distribution curve *)



isolux diagram *)

lengthwise aligned – light spot height: 4.5 m, bracket length: 1.5 m, boom angle 0°



*) lens type L70

LUMINAIRE antares 2000 solar

LED power	12 Watt
max. luminous flux	1,800 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)

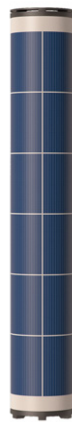


LIGHT POLE, BRACKET

Wind class	28 m/s, optional 45 m/s
Pole diameter	100 mm
Pole weight	ca. 57 kg
Bracket length	1,250 mm, optional 1,000 mm
Boom angle	0°, optional 5°
Bracket weight	7 kg
Material	steel
Finishing	hot-dip galvanized (opt. paint- or powder-coated in RAL colours)

POWER TUBE P70-160

PV-Technology	silicon-solar cells
Number of PV-cells	18 pcs
Nominal power PV-cells	70 Watt
Dimensions	1,023 x Ø160 mm
Weight	6 kg



POWER CONTROL

Programmable microcontroller	✓
Dynamic light profile	customer-specific

BATTERY

Capacity	36 Ah / 12 V
Technology	VRLA, cycle-type
Dimensions (length x width x height)	app. 200 x 130 x 167 mm
Weight	10.7 kg

STANDARDS / COMPLIANCES

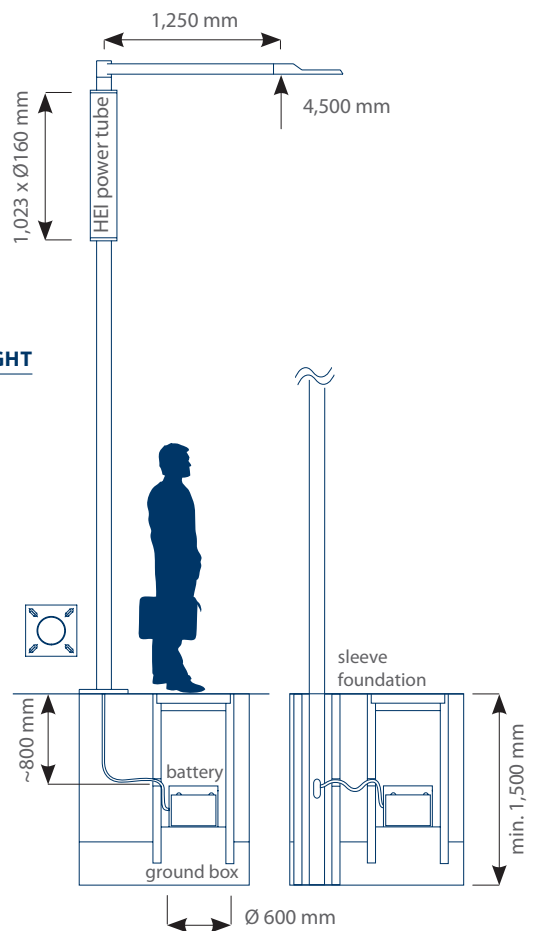
ISO	ISO 9001-2008
Illumination	according EN 13201
Light pole	EN 40-5, EN40-3-1, ISO 1461
Ingress protection rating	IP66
EMC	EN 55015, EN 61547
Photovoltaics	EN 61215 (adapted)
Temperature range	-30 °C to +70 °C
CE	✓
RoHS	✓

SYSTEM WEIGHT

app. 77 kg
(excl. battery)

Flange plate

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



ORDERING LOGIC

order example: hei antares 2000 P70-160 kernel [4.5-CiP-3100-L80-MS-1]						standard design type: [4.5-BiG-CiL-5300-L70-1.25]			
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 2000 P70-160 <i>without pole, bracket, battery</i>	standard options	4.5 BiG (ground box)	CiL (luminaire) CiP (pole)	5300 3100 4100	L70 (70°x140°) L80 (80°x160°)	- MS	- Hybrid	1.25 1
order example: pole / bracket hei antares 2000 P70-160 [4.5-flange-45-MD-1-0]						standard design type: [4.5-flange-28-1.25-0]			
Pole / bracket	Model	Pole height [m]	Foundation	Wind class [m/s]	Maintenance door	Bracket length [m]	Boom angle [°]	Finishing (pole, bracket)	
	antares 2000 P70-160	standard options	4.5 flange pipe	28 45	- MD	1.25 1	0 5	- (hot dip galvanized) PA (painted RAL 9006) PO (powder coated RAL 9006)	