

Data sheet

Solar light pole

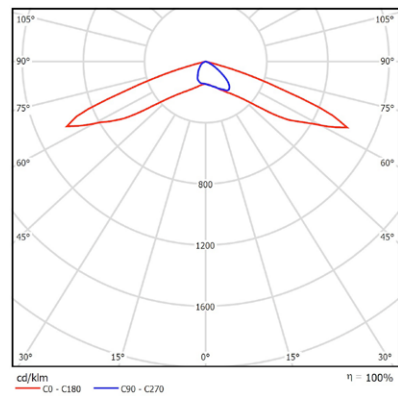
hei antares 16000 P400-215

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

Light source	20 high-efficiency LEDs
max. LED power	80 Watt
max. luminous flux	12,000 lm

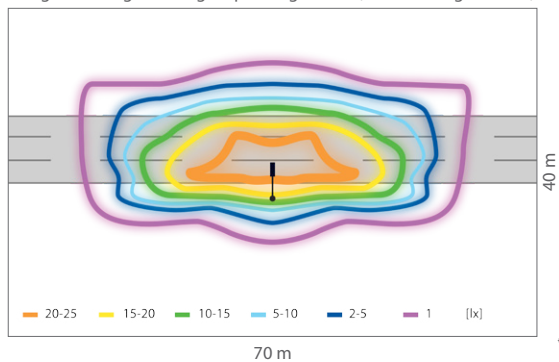
Pole height	10.1 m
Light spot height	10 m

light distribution curve *)



isolux diagram *)

lengthwise aligned – light spot height: 10 m, bracket length: 2.5 m, boom angle 5°



*) lens type L70

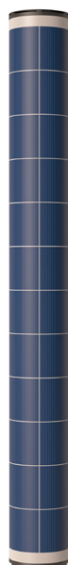
LUMINAIRE antares 16000 solar

LED power	80 Watt
max. luminous flux	12,000 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)	950 x 195 x 85 mm
Weight	10.7 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

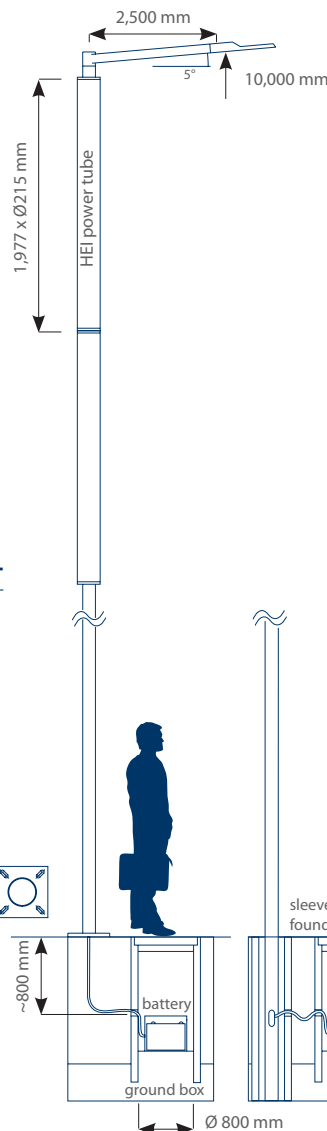
Capacity	250 Ah / 12 V
Technology	VRLA, cycle-type
Dimensions (length x width x height)	app. 520 x 270 x 220 mm
Weight	74 kg

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	152 mm
Pole weight	ca. 152 kg
Bracket length	2,500 mm, optional 2,000 mm
Boom angle	5°, optional 0°
Bracket weight	26.5 kg
Material	steel
Finishing	hot-dip galvanized (opt. paint- or powder-coated in RAL colours)



SYSTEM WEIGHT

app. 245 kg (excl. battery)

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



ORDERING LOGIC

order example: hei antares 16000 P400-215 kernel [12-CiP-3100-L80-MS-2]					standard design type: [10-BiG-CiL-5300-L70-2.5]					
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 16000 P400-215 <i>without pole, bracket, battery</i>	standard	10	BiG (ground box)	CiL (luminaire)	5300	L70 (70°x140°)	-	-	2.5
		options	12		CiP (pole)	3100	L80 (80°x160°)	MS	Hybrid	2
			14				4100			
15										
16										
order example: pole / bracket hei antares 16000 P400-215 [14-flange-45-MD-2-0]					standard design type: [10-flange-28-2.5-5]					
Pole / bracket	Model	Pole height [m]	Foundation	Wind class [m/s]	Maintenance door	Bracket length [m]	Boom angle [°]	Finishing (pole, bracket)		
	antares 16000 P400-215	standard	10	flange	28	-	2.5	5	- (hot dip galvanized)	
		options	12	pipe	45	MD	2	0	PA (painted RAL 9006)	
			14						PO (powder coated RAL 9006)	
15										
16										