



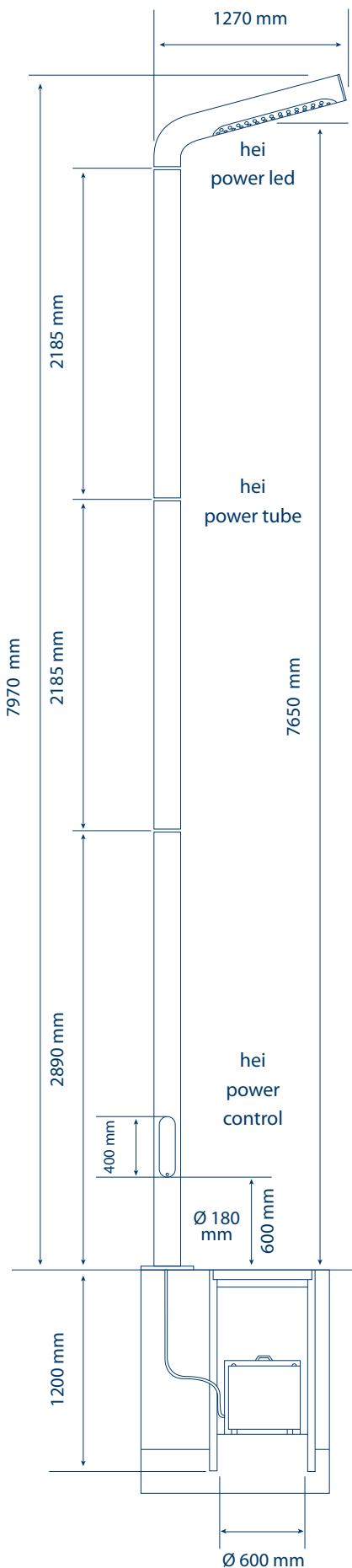
solar light



technical
data

series 60
mira
380-7200

dimensions



Battery enclosure

By default the battery of mira 380 is located in an underground enclosure.

product specification

mira 380 is a stand-alone solar light conceived for outdoor residential and municipal lighting. Equipped with advanced LED- and photovoltaic technology, mira 380 provides uniform light distribution, ideal for street and roadway applications.

Thanks to its unique power management electronics, the mira 380 ensures high performance and reliability in all weather conditions and in the most challenging solar radiance environments.

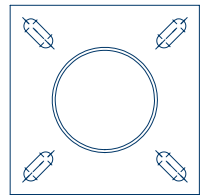
mira 380 is available with 72 high-efficiency LEDs and the following additional options:

- Part-solar, hybrid version with power supply for locations with poor lighting conditions
- Remote maintenance and remote control (from 2011)

light pole versions

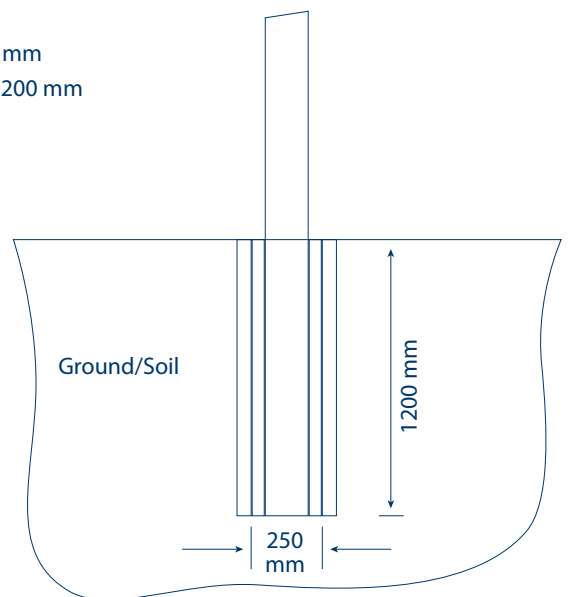
Square ground plate

according to EN 40-5
dimensions: 330 x 330 x 35 mm
hole spacing: 200 to 250 mm



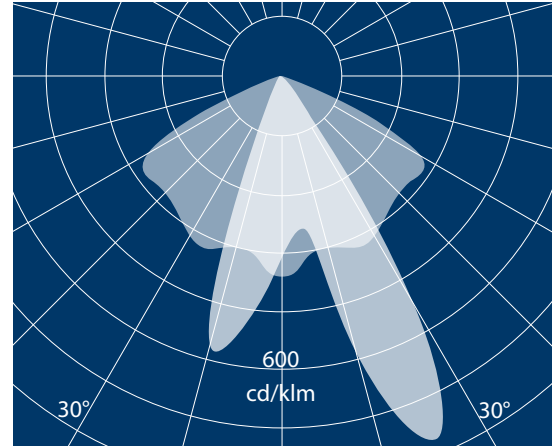
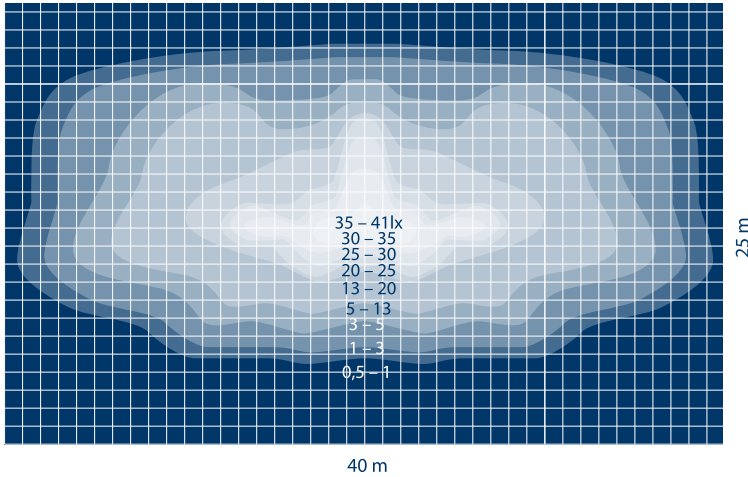
Sleeve foundation

concrete pipe
inner diameter: 250 mm
installation depth: 1200 mm



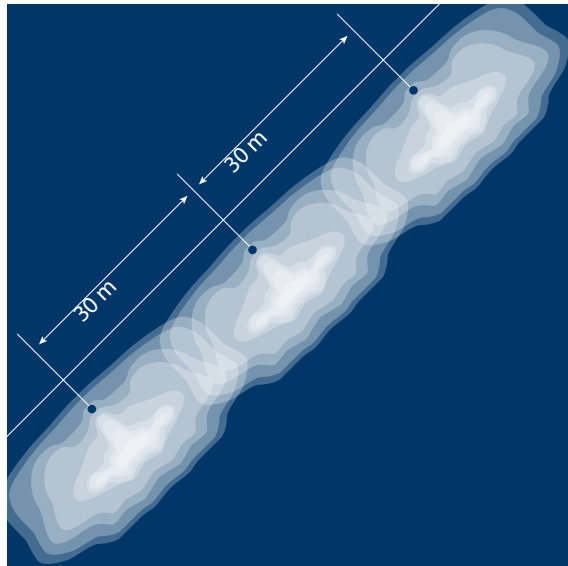
light distribution

Light distribution: lengthwise aligned Light spot height: 7.65 m



installation example

Distance between lights: 30 m Average illuminance: 14 lx



illuminance

at full operation path-width: 7 m

distance [m]	area [sqm]	E_{av} [lx]	E_{min} [lx]
10	60	42	21
15	90	28	15
20	120	21	10
25	150	17	8.1
30	180	14	4.1
40	240	10	0,6
50	300	8.2	0.2

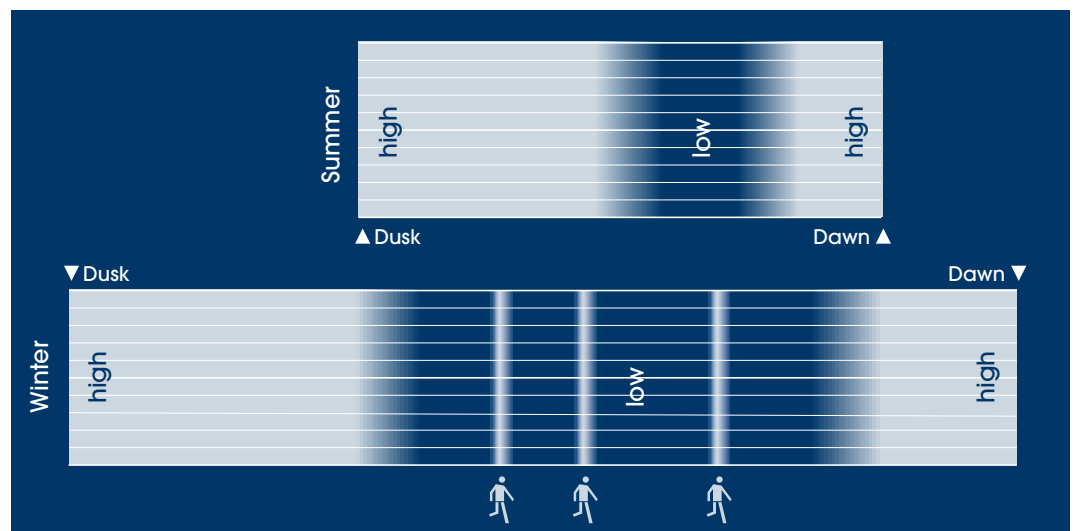
E_{av} [lx]: average illuminance

E_{min} [lx]: minimum illuminance

Illuminance in operation depending on local site conditions (average daylight available) and customer-specific lighting times.

illumination management

Lighting times can be individually adjusted with program switch.



technical data

Model / Type	mira 380
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System	
Installation height	8 m
Light spot height	7.65 m
Diameter of light pole	180 mm
Light pole	steel, hot-dip galvanized, paint-coated, (stainless steel, aluminium optional)
Light pole color	RAL 9006, white aluminium (standard)
Light head color	RAL 9005, deep black (standard)
Installation	sleeve foundation (ground plate optional)
Weight	255 kg

hei power led	
Illuminant	72 high-efficiency LEDs
Light distribution	lengthwise aligned
Max. power	72 Watt
Max. luminous flux	7,200 Lumen
Energy conversion efficiency	82 %
LED-light temperature	cool-white, 5,300 Kelvin, CRI > 70 (standard) neutral-white, 4,100 Kelvin (optional) warm-white, 3,100 Kelvin (optional)
Standard service life (part load)	> 75,000 hrs
Standard illuminance	up to 21 lx
Standard illumination area	100 – 250 sqm

hei power tube	
Height PV-module	2 x 2.16 m
Diameter PV-module	180 mm
PV-Technology	silicon-solar cells
Number of PV-cells	128 pcs
Nominal power output	384 Wp

hei power control	
Programmable microcontroller	✓
Dynamic light profile	customer-specific
Motion detector	optional
Capacity of battery	12 V/135 Ah
Technology of battery	lead-acid

Standards / Compliances	
Illumination	according to EN 13201
Degree of protection PV-module	IK06
Certification light pole	EN 40-5, EN 40-3-1, ISO 1461
Certification electronics	IP65
EMV	EN 55015, EN 61547
PV-standard	EN 61215 (adapted)
Temperature range	- 30° C to + 60° C
CE-certification	✓

Your HEI Solar Light partner: (company stamp)

