

hei

solar light

EN



technical
data

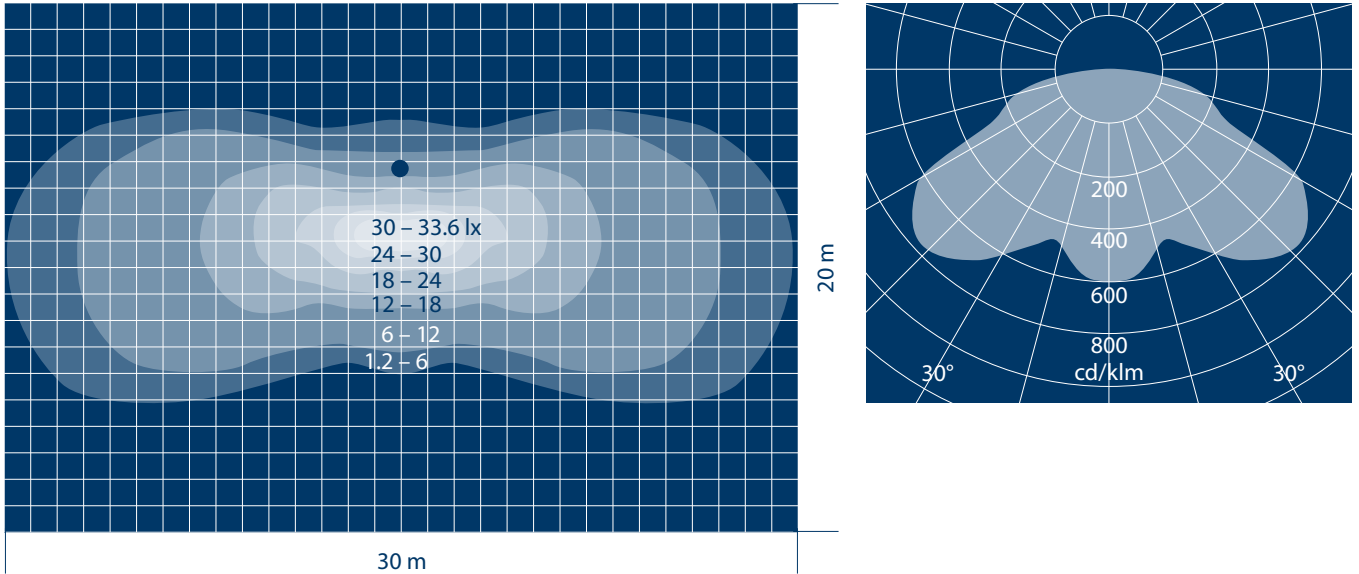
series 50
mira s

100 - 1200

100 - 1800

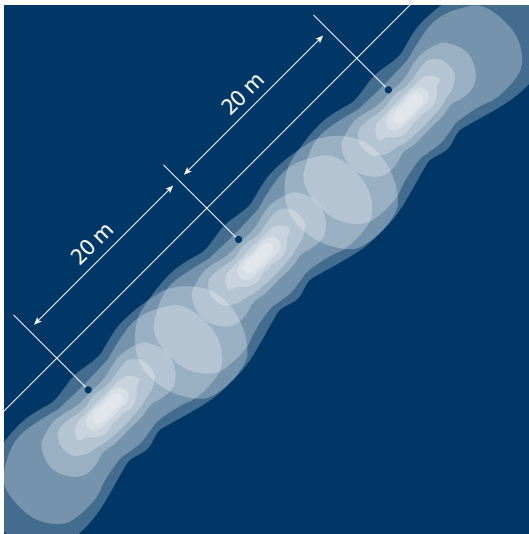
light distribution

Light distribution: lengthwise aligned Light spot height: 4.40 m 18 LEDs / 2,160 lm



installation example

Distance between lights: 20 m Average illuminance: 11.8 lx



illuminance

at full operation path-width: 5 m 18 LEDs / 2,160 lm

| distance [m] | area [sqm] | E_{av} [lx] | E_{min} [lx] |
|--------------|------------|---------------|----------------|
| 10 | 40 | 24 | 14.4 |
| 15 | 60 | 15.6 | 8.6 |
| 20 | 80 | 11.8 | 4 |
| 25 | 100 | 9.8 | 2 |
| 30 | 120 | 8 | 1.1 |
| 40 | 160 | 6 | 0.4 |
| 50 | 200 | 4.8 | 0.1 |

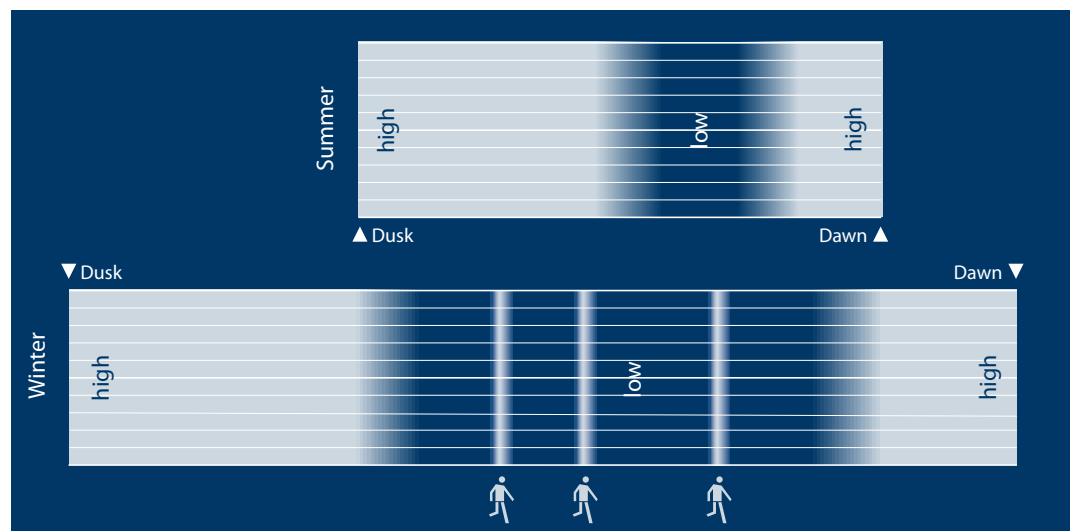
E_{av} [lx]: average illuminance

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 s 100

| System | |
|------------------------|---|
| Installation height | 4.65 m |
| Light spot height | 4.40 m |
| Diameter of light pole | 140 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 (flange plate optional) |
| Weight | 120 kg |

| hei power led | | |
|-----------------------------------|--|----------------------------|
| Type | mira S 100-1200 | mira S 100-1800 |
| Illuminant | 12 high-efficiency LEDs | 18 high-efficiency LEDs |
| Max. power | 12 Watt | 18 Watt |
| Max. luminous flux | 1,440 Lumen | 2,160 Lumen |
| Standard illuminance | up to 11 lx | up to 16 lx |
| Light distribution | lengthwise aligned | |
| 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 illumination area | 60 – 150 sqm | |

| hei power tube | |
|----------------------|---------------------|
| Height PV-module | 1.5 m |
| Diameter PV-module | 140 mm |
| PV-Technology | silicon-solar cells |
| Number of PV-cells | 33 pcs |
| Nominal power output | 100 Wp |

| hei power control | |
|------------------------------|--|
| Programmable microcontroller | ✓ |
| Dynamic light profile | customer-specific |
| Motion detector | optional |
| Capacity of battery | 12 V/32 Ah (pole-mounted, standard) 12 V/36 Ah (underground enclosure, optional)* |
| 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 | - 15° C to + 50° C (pole-mounted) - 30° C to + 60° C (underground enclosure)* |
| CE-certification | ✓ |

* Recommended installation for harsh climates in order to increase battery lifespan.

Your hei solar light™ partner: (company stamp)

