



ecostreet moonlight



Moonlight



Moonlight is an independent and self sufficient solar light for professional exterior lighting systems. It is equipped with a highly modern LED and photovoltaic-technology. The Moonlight provides a lengthwise aligned light distribution, which is perfect to suit the requirements of street light applications.

Due to the unique energy management system of Moonlight guarantees operating reliability under all weather conditions and is also suitable for locations with moderate insulation.

Moonlight is available with the following additional options:

Charging station for electric vehicles

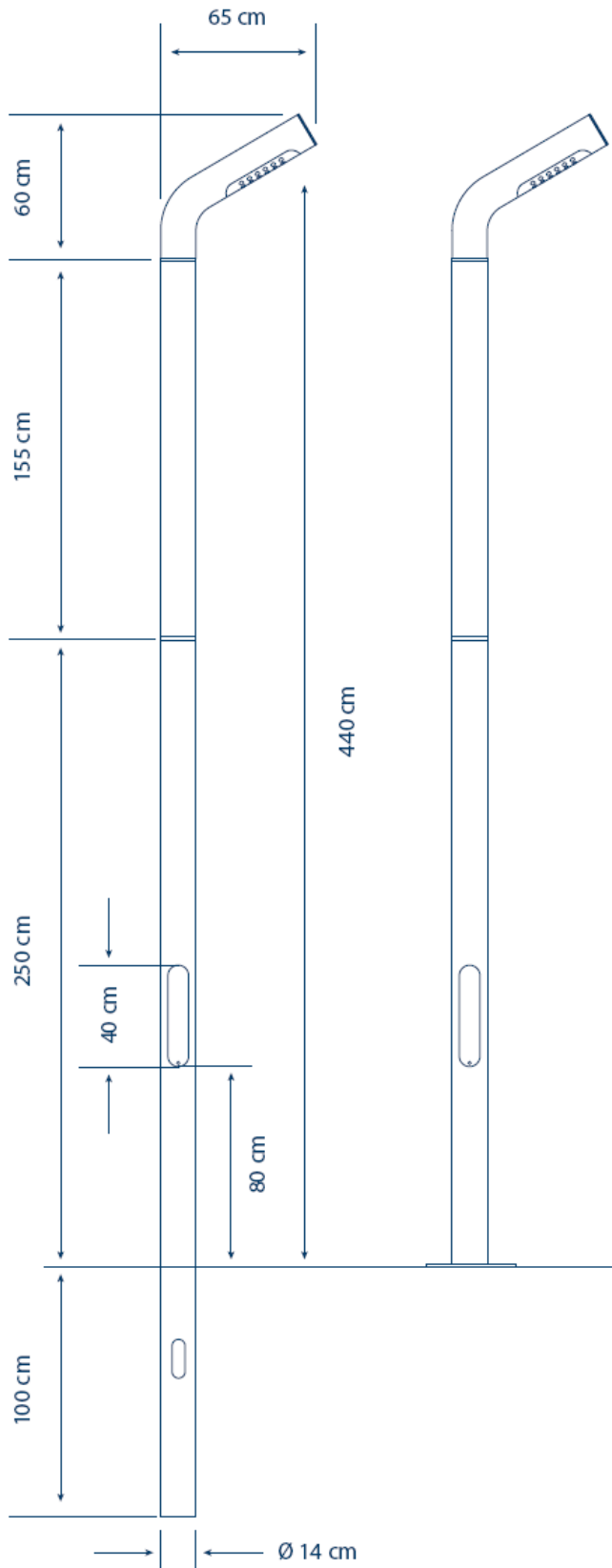
Motion detector for customer-specific light distribution

*Part-solar version for locations with poor lighting conditions
(Available from 2010)*

*Remote maintenance and remote control
(Available from 2010)*



Dimensions



Econorm Moonlight

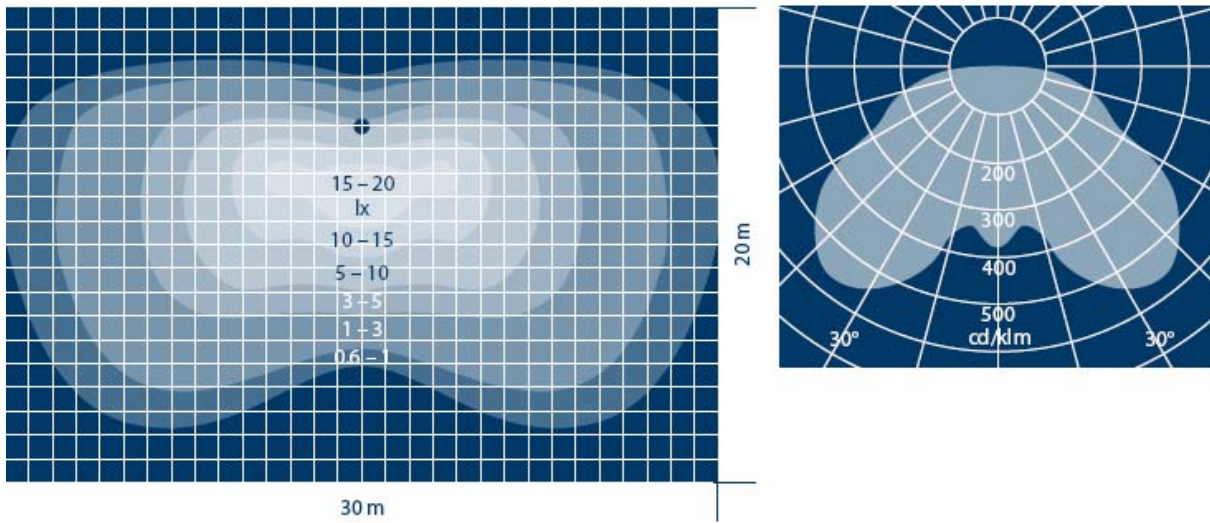
Specifications

Description	System
Installation height	5.70 m
Light spot height	3.45 m
Diameter of light pole	170 mm (base point)
Light pole	Steel, hot-dip galvanized, paint-coated, (stainless steel, aluminum optional)
Light pole color	White aluminum (standard)
Installation	Foundation (ground plate optional)
Weight	120 kg
Led	
Illuminant	24 integrated high-efficiency LEDs
Light distribution	Circular
Max. power	24 Watt
Max. luminous flux	2,200 Lumen (up to 2,880 Lumen optional)
Energy conversion efficiency	58 %
LED-light temperature	Cool-white, 6,500 Kelvin (standard) (neutral-white, 4,100 Kelvin; warm-white, 3,100 Kelvin optional)
Typ. service life (part load)	> 75,000 hrs
Typ. Luminance	Up to 15 lx (up to 20 lx optional)
Illumination area	Typ. 100 – 250 sqm
Power	
Height PV-module	2.16 m
Diameter PV-module	180 mm
PV-Technology	Si-solar cells
Number of PV-cells	64 pcs
Nominal power output	192 Wp
Control	
Programmable microcontroller	Yes
Dynamic light profile	customer-specific
Motion detector	optional
Capacity of battery	72 Ah (standard)
Standards / Compliances	
Certification light pole	EN 40-5, EN 40-3-1, ISO 1461
Certification electronics	IP43 (IP65 optional)
EMV	EN 55015, EN 61547
PV-standard	EN 61215 (adaptiert)
Temperature range	- 15° C bis +50° C
UL & CE Certification	Upon request

Product specifications subject to change without notice.

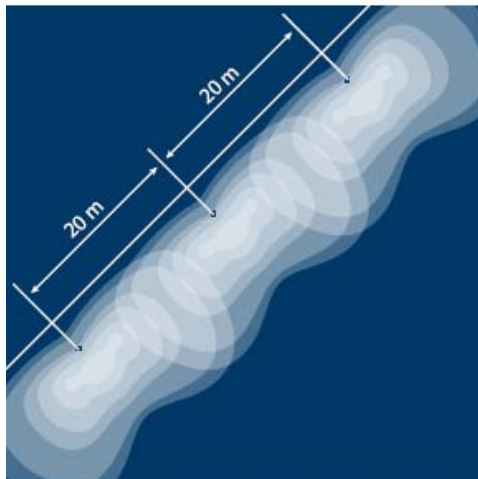
light distribution

Light distribution: lengthwise aligned Light spot height: 5.50 m



installation example

Distance between lights: 20 m Average illuminance: 9.7 lx



illuminance

at full operation path-width: 6 m

distance [m]	area [sqm]	E_{av} [lx]	E_{min} [lx]
10	60	19	6.2
15	90	13	5
20	120	9.7	3.5
25	150	8	2
30	180	6.6	1.1
40	240	5	0,5
50	300	4	0.2

E_{av} [lx]: average illuminance
 E_{min} [lx]: minimum illuminance

illumination management

Customer-specific brightness control can be set individually.

