



# ecostreet sunlight



# Sunlight



**Sunlight 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 Sunlight provides a lengthwise aligned light distribution, which is perfect to suit the requirements of bicycle paths and pavements.**

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

Sunlight is available with the following options:

**Motion detector for customer-specific light distribution**

**Part-solar version for locations with poor lighting conditions**

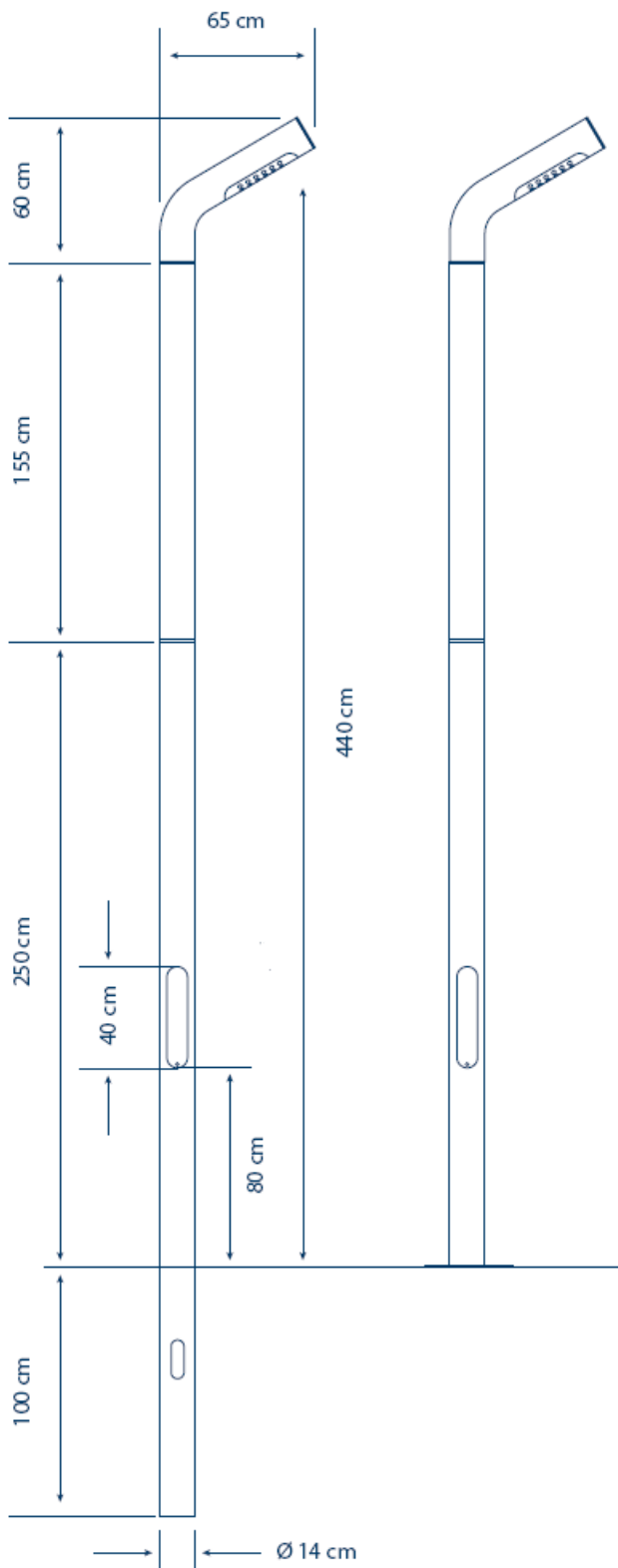
*(Available from 2010)*

**Remote maintenance and remote control**

*(Available from 2010)*



# Dimensions



# Econorm Sunlight

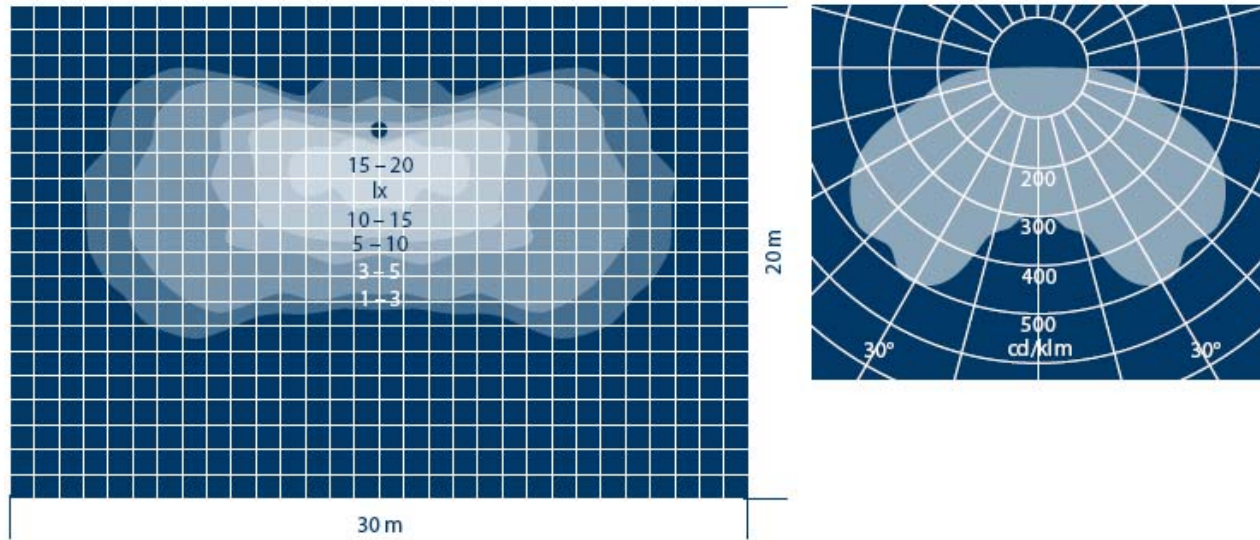
## Specifications

Description	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, aluminum optional)
Light pole color	White aluminum (standard)
Light head color	Deep black (standard)
Installation	Foundation (ground plate optional)
Weight	120 kg
<b>Led</b>	
Illuminant	12 high-efficiency LEDs (18 optional)
Light distribution	Lengthwise aligned
Max. power	12 Watt (18 Watt optional)
Max. luminous flux	1,080 Lumen (up to 2,160 Lumen optional)
Energy conversion efficiency	82 %
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 30 lx optional)
Illumination area	Typ. 60 – 150 sqm
<b>Power</b>	
Height PV-module	1.5 m
Diameter PV-module	140 mm
PV-Technology	Si-solar cells
Number of PV-cells	33 pcs
Nominal power output	100 Wp
<b>Control</b>	
Programmable microcontroller	Yes
Dynamic light profile	Customer-specific
Motion detector	Optional
Capacity of battery	32 Ah (standard)
<b>Standards / Compliances</b>	
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
Temperature range	- 15° C +50° C
UL & CE Certification	Upon request

Product specifications subject to change without notice.

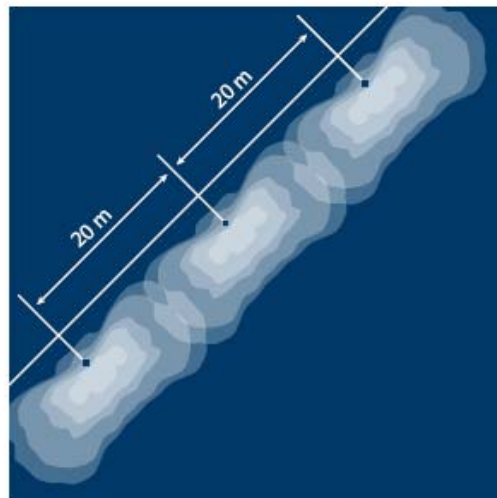
# light distribution

Light distribution: lengthwise aligned Light spot height: 4.40 m



# installation example

Distance between lights: 20 m Average illuminance: 6.2 lx



# illuminance

at full operation path-width: 4 m

distance [m]	area [sqm]	$E_{av}$ [lx]	$E_{min}$ [lx]
10	40	12	5.2
15	60	8.2	3.9
20	80	6.2	1.8
25	100	5	1
30	120	4.2	0.5
40	160	3.1	0.2
50	200	2.5	0.1

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

# illumination management

Customer-specific brightness control can be set individually.

