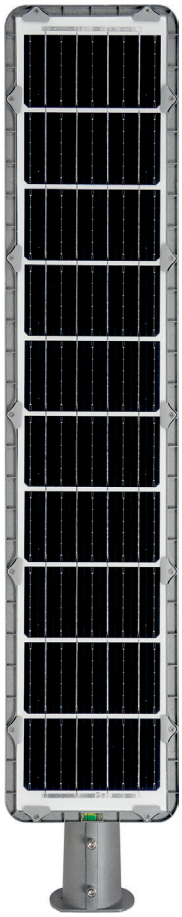
TECHNICAL DATA

7318030CCT

VEGA SOLAR STREET LUMINAIRE S180

Street luminaire for public lighting with integrated solar panel, model VEGA, 20W consumption and 2800lm brightness. Color temperature selectable via remote control (5500K/4000K/3000K), equipped with 84 pcs Lumileds SMD3030 LEDs in 5700K and 84 pcs in 3000K. LiFePO4 battery model with up to 12 hours of continuous operation. Includes radar motion sensor and permanent on/off switch. Asymmetric optical distribution of 80°x150°. Protection rating against external elements IP65 and mechanical impact resistance rating IK08. Die-cast aluminum body with gray finish, monocrystalline solar panel, and polycarbonate lenses. Adjustable arm for installation on poles or columns. Remote control included.



PRODUCT SPECIFICATIONS

Item code:	7318030CCT
Description:	Vega solar street luminaire for public lighting
EAN13 code:	8435724902095

ELECTRICAL DATA

Consumption:	20w
Dimmable:	YES
Electrical insulation class:	CLASE III

LUMINOUS DATA

Color temperature:	Selectable CCT 5500K/4000K/3000K
Luminous efficiency:	140 lm/w
Lumens:	2800lm
LED chip brand:	Lumileds
LED chip model:	SMD 3030
Number of LED chips:	84pcs 5700K + 84pcs 3000K
Beam angle:	80°x150°
Light distribution:	Asymmetric
Color rendering index:	>80
Luminous maintenance factor:	L95B10

BATTERY DATA

Model:	**37200 LiFePO4**
Capacity:	**30Ah**
Voltage:	**3,2v**
Charging time:	**7 hrs**
Operating hours:	**12 hrs**

SOLAR PANEL DATA

Power:	**30v**
Voltage:	**6Ah**

MOTION SENSOR DATA

Sensor type::	**Radar**
Operation mode:	**30% Stand By / 100% on**
Configuration options:	**NO**
Detection area:	**Max. 10 mts**
Detection angle:	**120º**
On time:	**15 sec.**

OPERATION DATA

Control mode:		**Remote control**
Operation mode:	Option 1:	**Operation with motion sensor**
	Option 2:	**Operation with time control**
Luminous intensity regulation:		**YES**
Color temperature selection:		**Selectable CCT 5500K/4000K/3000K via remote control**
		Incorporates an on/off switch to activate or deactivate the luminaire

TECHNICAL DATA

Protection rating:	**IP65 (Dust-tight and protected against water jets)**
Impact rating:	**IK08 (10J)**
Operating temperature:	**-20º~50º**
Mounting type:	**Superficie**
Mounting method:	**Vertical mounting bracket for pole installation** **Horizontal mounting bracket for arm installation**
Mounting device:	**Interior diameter D63 mm**

PHYSICAL DATA

Luminaire body

Material:	**Die-cast aluminum**
Finish:	**Grey RAL 7001**

Lenses

Material:	**Polycarbonate**
Finish:	**Transparent**

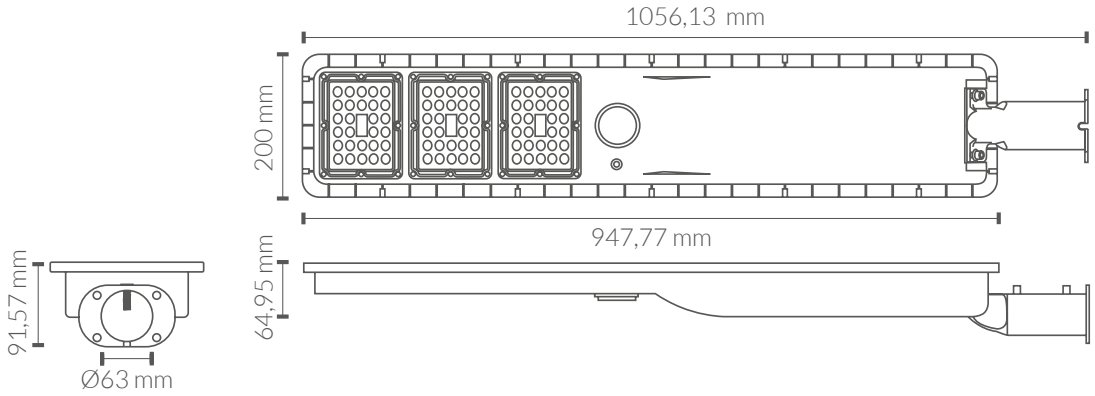
Solar panel

Material:	**Monocrystalline silicon and glass**

Weight

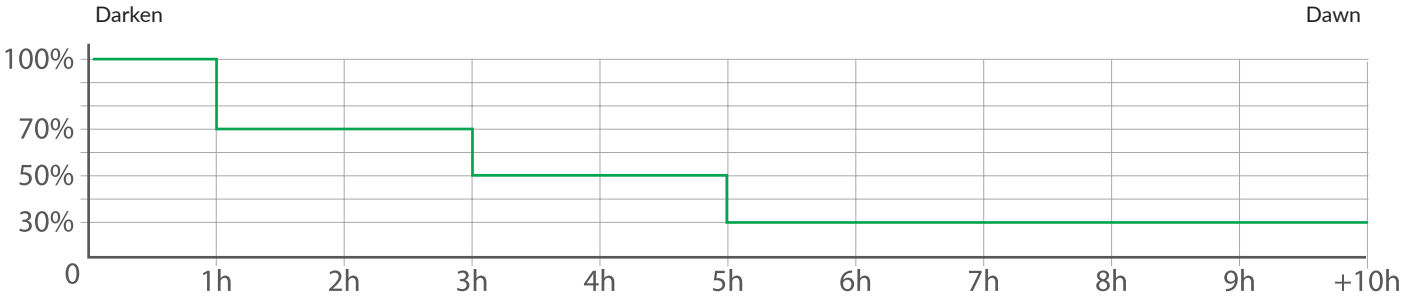
Weight:	**5,50 kg**

DIMENSIONS



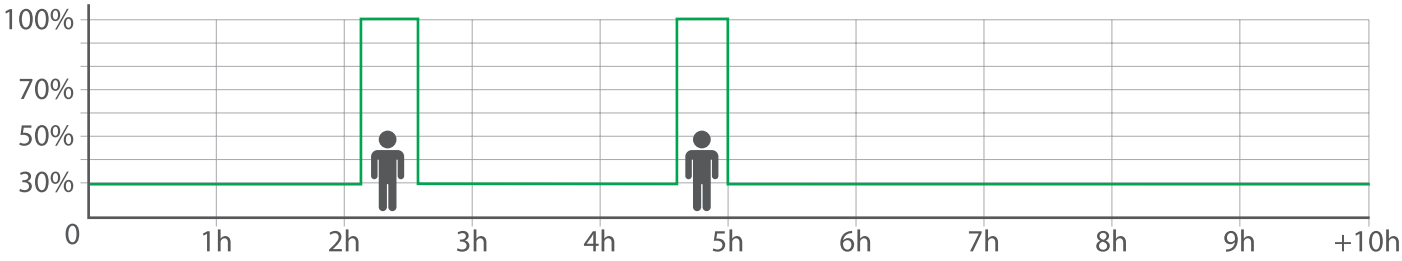
OPERATING DIAGRAM

Option 1: Time control



The luminaria turns on at dusk and turns off at dawn, with brightness levels gradually decreasing over time. The maximum operating time with this configuration is 12 hours.

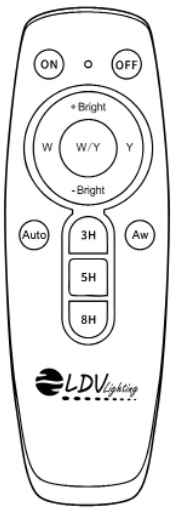
Option 2: Motion sensor



The luminaria remains on at 30% brightness and turns on to full brightness for 15 seconds upon detecting motion.

REMOTE CONTROL FUNCTIONS

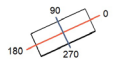
KEY	FUNCTIONS
ON	**ON**
OFF	**OFF**
+ bright	**Increase the brightness**
- bright	**Decrease the brightness**
W	**Color temperature 5500K**
W/Y	**Color temperature 4000K**
Y	**Color temperature 3000K**
AUTO	**Motion sensor mode**
AW	**Time control mode**
3H/5H/8H	**Motion sensor mode during selected hours**



LUMINOUS INTENSITY DISTRIBUTION CURVE

5500K

145mm x 350mm

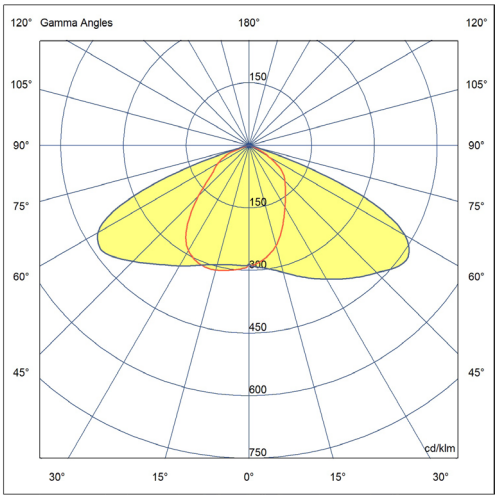


C Halfplanes

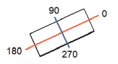
180.0 —— 0.0

270.0 —— 90.0

Flux 2734 lm
Maximum 521.63 cd/klm
Position C=105.00 G=57.00
Efficiency: 100.00%
Date: 25-03-2024
Asymmetrical



145mm x 350mm



C Halfplanes

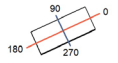
180.0 —— 0.0

270.0 —— 90.0

Flux 2734 lm
Maximum 521.63 cd/klm
Position C=105.00 G=57.00
Efficiency: 100.00%
Date: 25-03-2024
Asymmetrical

4000K

145mm x 350mm

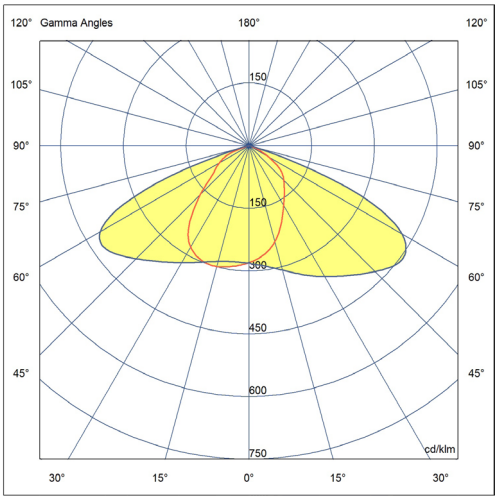


C Halfplanes

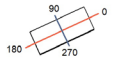
180.0 —— 0.0

270.0 —— 90.0

Flux 2866 lm
Maximum 509.05 cd/klm
Position C=255.00 G=62.00
Efficiency: 100.00%
Date: 25-03-2024
Asymmetrical



145mm x 350mm



C Halfplanes

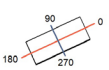
180.0 —— 0.0

270.0 —— 90.0

Flux 2866 lm
Maximum 509.05 cd/klm
Position C=255.00 G=62.00
Efficiency: 100.00%
Date: 25-03-2024
Asymmetrical

3000K

145mm x 350mm

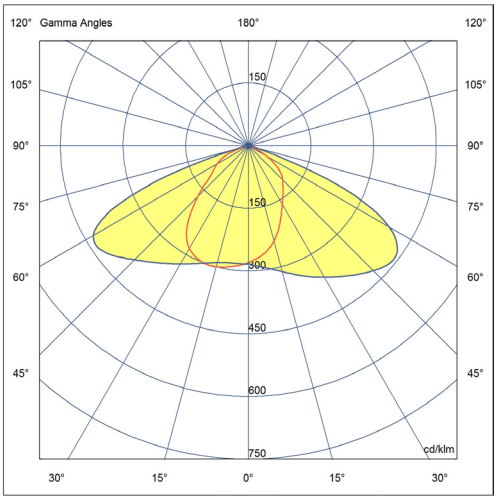


C Halfplanes

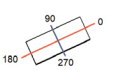
180.0 —— 0.0

270.0 —— 90.0

Flux 2788 lm
Maximum 502.26 cd/klm
Position C=105.00 G=57.00
Efficiency: 100.00%
Date: 26-03-2024
Asymmetrical



145mm x 350mm

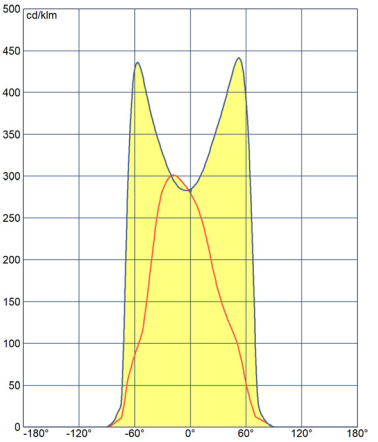


C Halfplanes

180.0 —— 0.0

270.0 —— 90.0

Flux 2788 lm
Maximum 502.26 cd/klm
Position C=105.00 G=57.00
Efficiency: 100.00%
Date: 26-03-2024
Asymmetrical



CE & ROHS

EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILIT

EN IEC 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
EN 61547	Equipment for general lighting purposes - EMC immunity requirements.
EN IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current =16 A per phase).
EN 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection.

LVD directive 2014/35/EU LOW VOLTAGE

EN IEC60598-1	Luminaires - Part 1: General requirements and tests.
EN 60598-2-3	Luminaires -- Part 2-3: Particular requirements - Luminaires for road and street lighting.
EN 62031	LED modules for general lighting - Safety specifications.
EN 62493	Assessment of lighting equipment related to human exposure to electromagnetic Field.

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863
Determination of Certain Substances in Electrotechnical Products.

CE RoHS