

## 7312030CCT

### VEGA SOLAR STREET LUMINAIRE S120

Street luminaire for public lighting with integrated solar panel model VEGA, 15W consumption and 2100lm brightness. Color temperature selectable via remote control (5500K/4000K/3000K), equipped with 56 pcs Lumileds SMD3030 LEDs in 5700K and 56 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:	7312030CCT
Description:	Vega solar street luminaire for public lighting
EAN13 code:	8435724902088

#### ELECTRICAL DATA

Consumption:	15w
Dimmable:	YES
Electrical insulation class:	CLASE III

#### LUMINOUS DATA

Color temperature:	Selectable CCT 5500K/4000K/3000K
Luminous efficiency:	140 lm/w
Lumens:	2100lm
LED chip brand:	Lumileds
LED chip model:	SMD 3030
Number of LED chips:	56pcs 5700K + 56pcs 3000K
Beam angle:	80°x150°
Light distribution:	Asymmetric
Color rendering index:	>80
Luminous maintenance factor:	L95B10

## BATTERY DATA

Model:	37200 LiFePO4
Capacity:	20Ah
Voltage:	3,2v
Charging time:	7 hrs
Operating hours:	12 hrs

## SOLAR PANEL DATA

Power:	20v
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:	120°
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:	-20°~50°
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

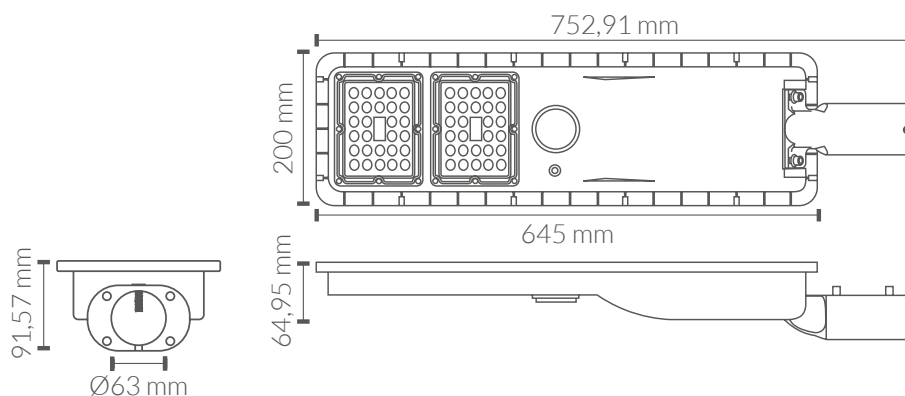
### Solar panel

Material:	Monocrystalline silicon and glass
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### Weight

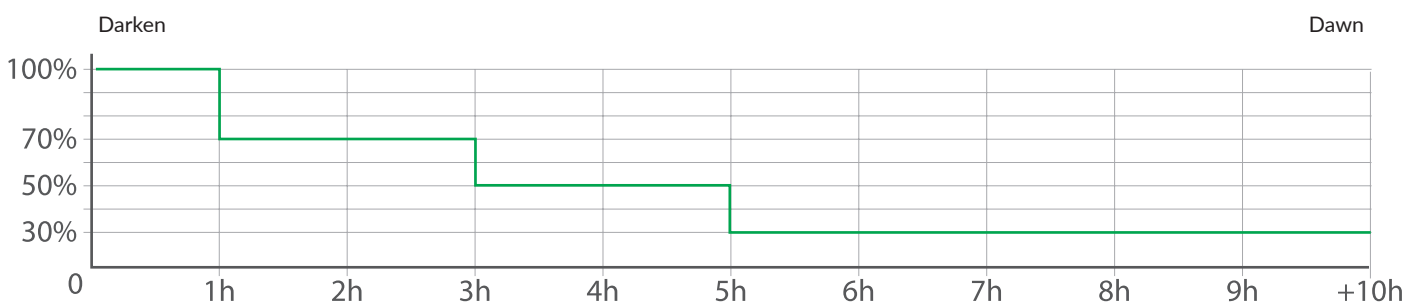
Weight:	4,50 kg
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## DIMENSIONS



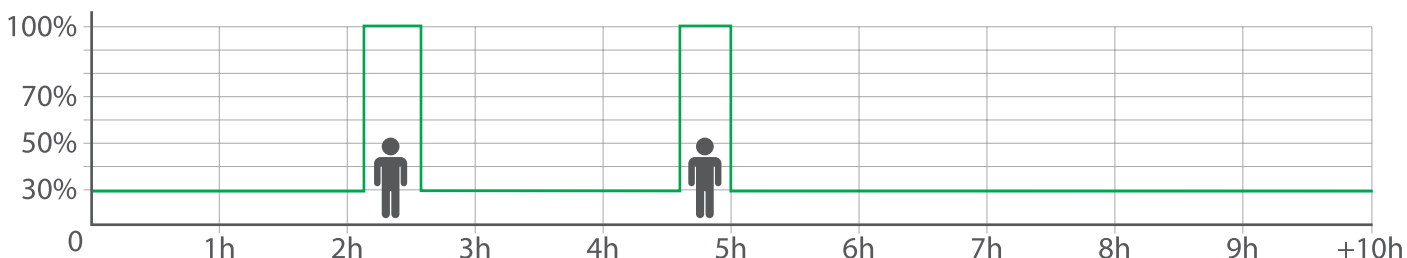
## OPERATING DIAGRAM

### Option 1: Time control



The luminaire 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.

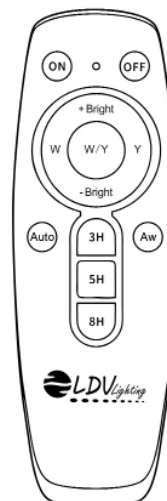
### Option 2: Motion sensor



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

## REMOTE CONTROL FUNCTIONS

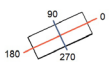
KEY	FUNCTIONS
ON	ON
OFF	OFF
+ bright	Increase the brightness
- bright	Decrease the brightness
W	Color temperature 5500K
W/Y	Color temperature 4000K
Y	Color temperature 3000K
AUTO	Motion sensor mode
AW	Time control mode
3H/5H/8H	Motion sensor mode during selected hours



# LUMINOUS INTENSITY DISTRIBUTION CURVE

## 5500K

140mm x 350mm

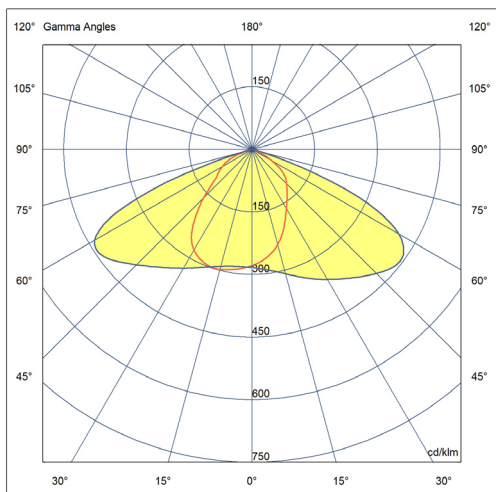


C Halfplanes

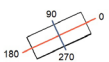
180.0 — 0.0

270.0 — 90.0

Flux 2444 lm  
Maximum 507.28 cd/klm  
Position C=105.00 G=58.00  
Efficiency: 100.00%  
Date: 08-04-2024  
Asymmetrical



140mm x 350mm

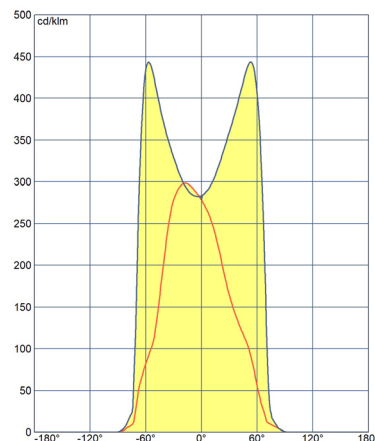


C Halfplanes

180.0 — 0.0

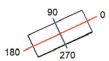
270.0 — 90.0

Flux 2444 lm  
Maximum 507.28 cd/klm  
Position C=105.00 G=58.00  
Efficiency: 100.00%  
Date: 08-04-2024  
Asymmetrical



## 4000K

140mm x 350mm

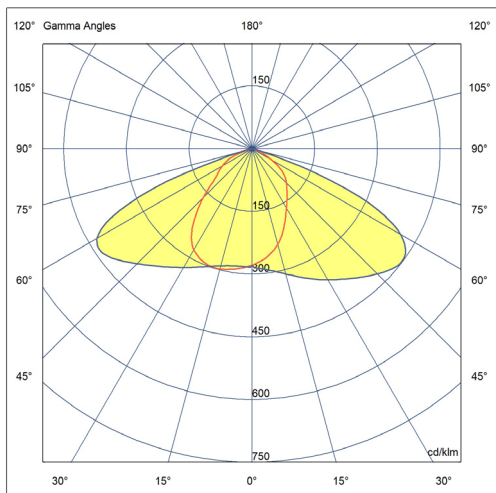


C Halfplanes

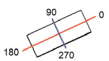
180.0 — 0.0

270.0 — 90.0

Flux 2449 lm  
Maximum 506.37 cd/klm  
Position C=105.00 G=58.00  
Efficiency: 100.00%  
Date: 08-04-2024  
Asymmetrical



140mm x 350mm

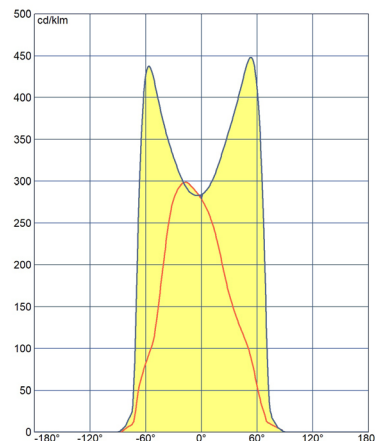


C Halfplanes

180.0 — 0.0

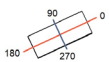
270.0 — 90.0

Flux 2449 lm  
Maximum 506.37 cd/klm  
Position C=105.00 G=58.00  
Efficiency: 100.00%  
Date: 08-04-2024  
Asymmetrical



## 3000K

140mm x 350mm

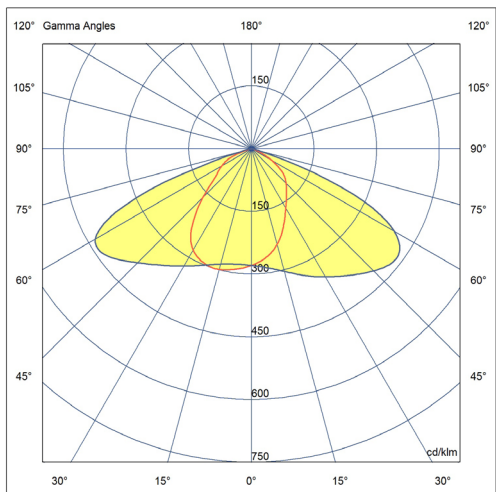


C Halfplanes

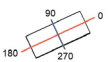
180.0 — 0.0

270.0 — 90.0

Flux 2410 lm  
Maximum 502.66 cd/klm  
Position C=255.00 G=61.00  
Efficiency: 100.00%  
Date: 08-04-2024  
Asymmetrical



140mm x 350mm

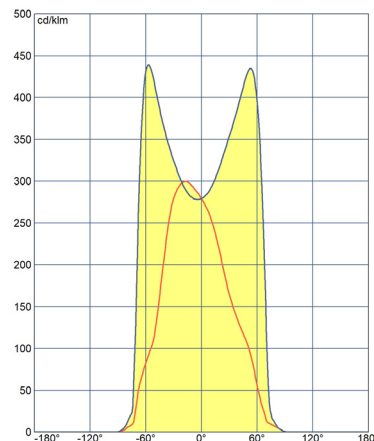


C Halfplanes

180.0 — 0.0

270.0 — 90.0

Flux 2410 lm  
Maximum 502.66 cd/klm  
Position C=255.00 G=61.00  
Efficiency: 100.00%  
Date: 08-04-2024  
Asymmetrical



**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  $\leq 16$  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.

