

**732030CCT**

## BAELO SOLAR STREET LUMINAIRE 55W

BAELO solar street luminaire with integrated solar panel. 55W power consumption and 9350lm luminous flux. Selectable colour temperature via remote control (5700K / 4000K / 3000K). Equipped with 12 pcs Lumileds SMD5050 LED chips at 5700K and 12 pcs at 3000K. 12.8Vdc, 18Ah LiFePO4 battery model with 100% autonomy for two cycles under programmed operation. Includes microwave sensor. Asymmetrical 140°x90° beam angle. Protection rating IP66 and mechanical impact resistance rating IK08. Die-cast aluminium housing with C3 anti-corrosion treatment (ISO 12944), monocrystalline solar panel and polycarbonate lenses. Adjustable arm for pole or column installation. Remote control included.



### PRODUCT SPECIFICATIONS

Item code:	732030CCT
Description:	BAELO solar street luminaire
EAN13 code:	8435724905294

### ELECTRICAL DATA

Consumption:	55W
Dimmable:	YES
Electrical insulation class:	CLASS III

### LUMINOUS DATA

Color temperature:	Selectable CCT 5700K/4000K/3000K
Selection system:	Control remoto
Luminous efficiency:	170 lm/w
Lumens:	9350lm
LED chip brand:	Lumileds
LED chip model:	SMD 5050
Number of LED chips:	24pcs 5700K + 24pcs 3000K
Beam angle:	140°x90°
Light distribution:	Asymmetric
Color rendering index:	>80
Luminous maintenance factor:	L90B10

## BATTERY DATA

Model:	12.8Vdc, 18Ah LiFePO4
Capacity:	30Ah
Charging time:	11 hrs
Operating hours:	100%, two cycles with programmed operation
Charge and discharge cycles:	2100 @0.5C 20° / 30°C

## SOLAR PANEL SPECIFICATIONS

Power:	55W
Voltage:	18V
Charging efficiency:	>22%

## MOTION SENSOR DATA

Sensor type:	Microwave
Configuration options:	NOT
Detection area:	Max. 10 mts
Detection angle:	65°
On time:	15 seg.

## OPERATION DATA

Control mode:	Remote control
Operation mode:	
Option 1:	Permanent mode
Option 2:	Motion sensor: 30% Stand by / On 100%
Option 3:	Time control
Luminous intensity regulation:	YES

## TECHNICAL DATA

Protection rating:	IP66 (Dust-tight and protected against powerful water jets)
Impact rating:	IK08 (5J)
Operating temperature:	-20° / 60°
Mounting type:	Surface
Mounting method:	Vertical mounting bracket for pole installation Horizontal mounting bracket for arm installation
Mounting device:	Adjustable internal diameter 48–60 mm
Recommended installation height:	4-8 mt
Fixing system:	Screws: 2 XM8x25 SUS304
Spigot tilt angle:	15°

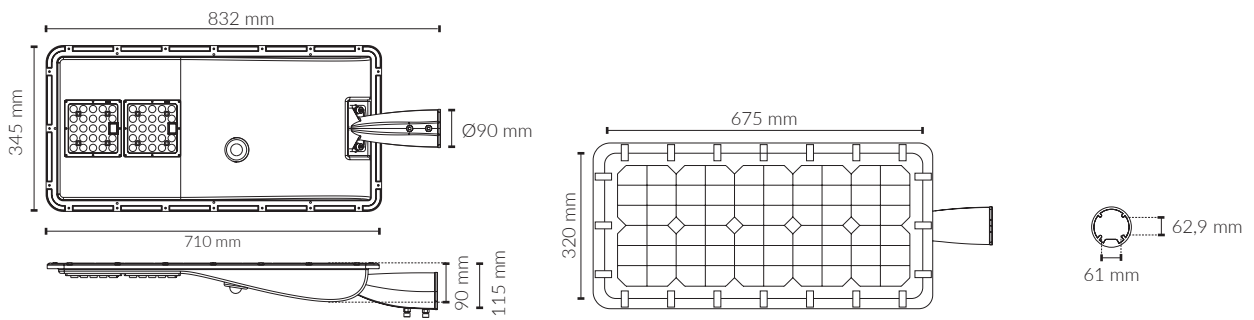
## AVERAGE LIFESPAN

Lifetime:	55000 h
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## PHYSICAL DATA

Luminaire body	
Material:	Aluminum
Finish:	Black
Paint type:	C3 anti-corrosion treatment (ISO 12944)
Optical	
Material:	Polycarbonate
Finish:	Transparent
Solar panel	
Material:	Monocrystalline silicon and glass
Weight	
Weight:	7,50 kg

## DIMENSIONS

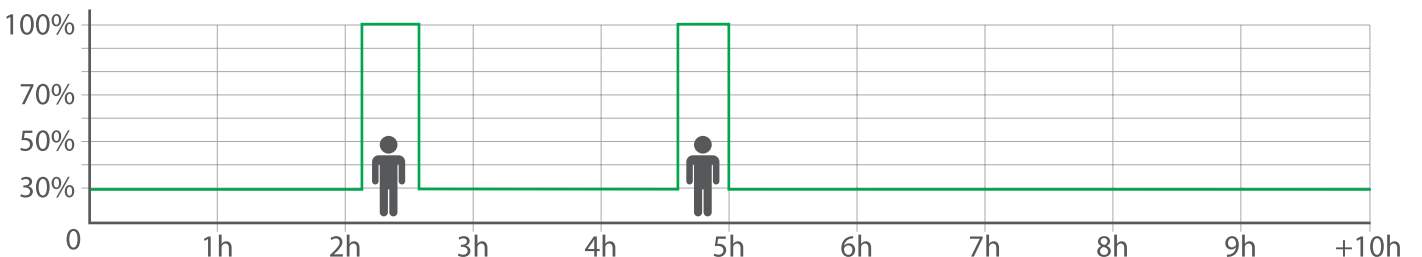


## OPERATING DIAGRAM

### Option 1: Permanent mode

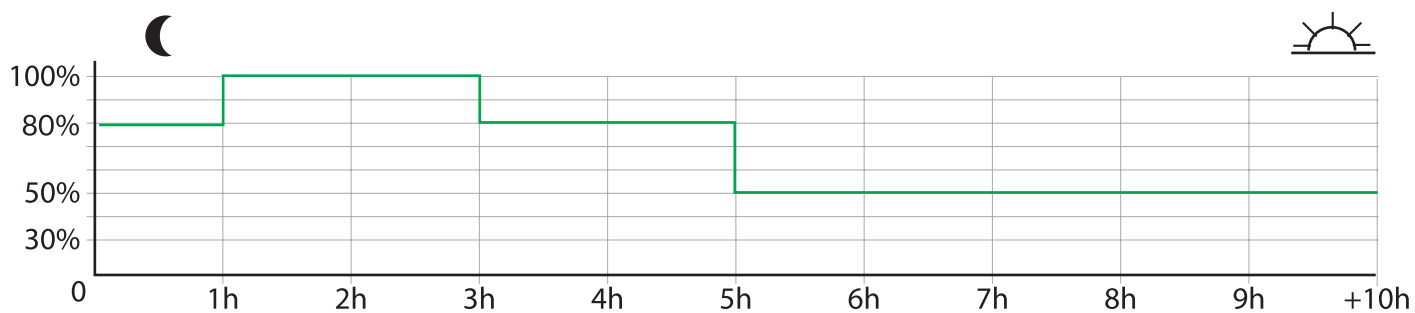
The luminaire features manual ON/OFF operation, allowing continuous operation.

### Option 2: Motion sensor, 30% Stand by / On 100%



The luminaire remains at 30% brightness and switches to full output for 15 seconds when motion is detected.

### Option 3: Time control



The luminaire turns on at dusk and switches off at dawn, with brightness levels gradually decreasing over time.

### CERTIFICATIONS

