

ALBERO LUCE

URBAN LIGHT FIXTURE

BEYOND URBAN LIGHTING, WHEN DESIGN MEETS THE GREEN WAY

Forget about darkness in urban areas evening and costly electricity bills.

ALBERO LUCE® lighting solution harness the sun's energy to provide high-quality illumination and the outstanding design beauty the urban areas you live.

A High-quality illumination together with design brings out the best in your urban landscape, making residents feel proud of the place they live.

DESIGN

The right lighting can increase comfort and serve as an attractive design element.

The solar green energy can enhance this concept off the grid.

With ALBERO LUCE® you can discover how to make living and working spaces more enjoyable, enhance experiences, follow city life and refresh the urban landscape, without the limit of the grid.

The lighting design has never been so much green and helpful to the community.

Custom design: ALBERO LUCE® is completely a custom solution that can be re-designed time by time accordingly to customer needs.

Flexible solution: ALBERO LUCE® can integrate USB phone charger, Wi-Fi Connection, lighting sensors, movement sensors and more

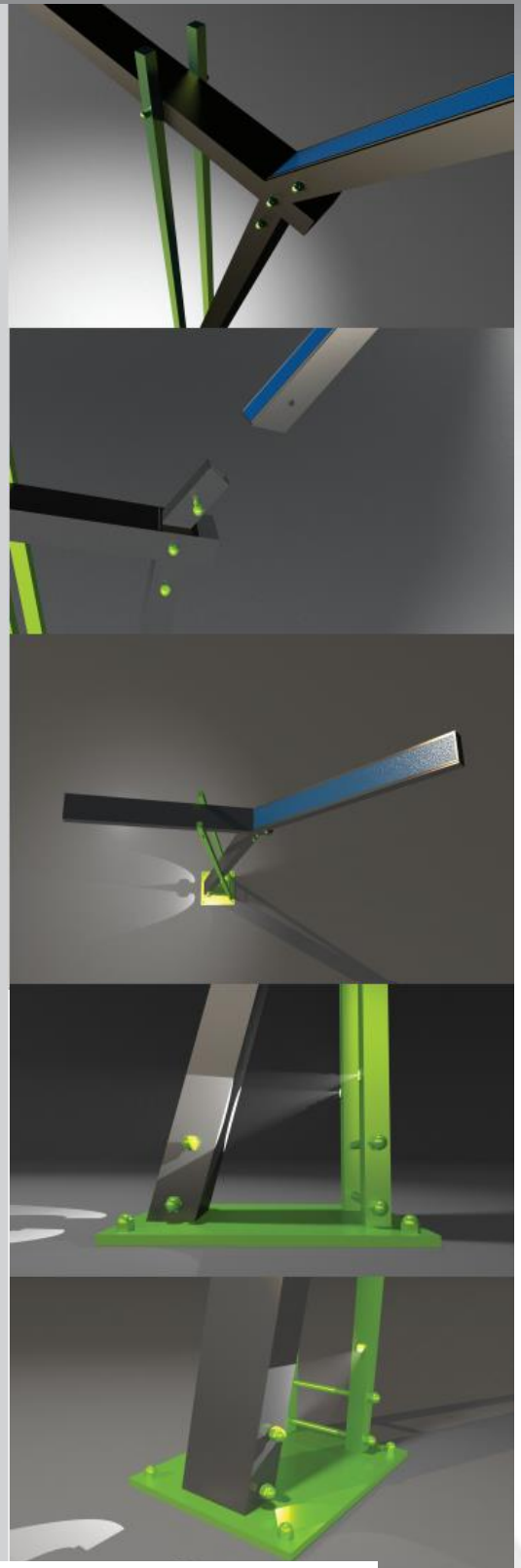
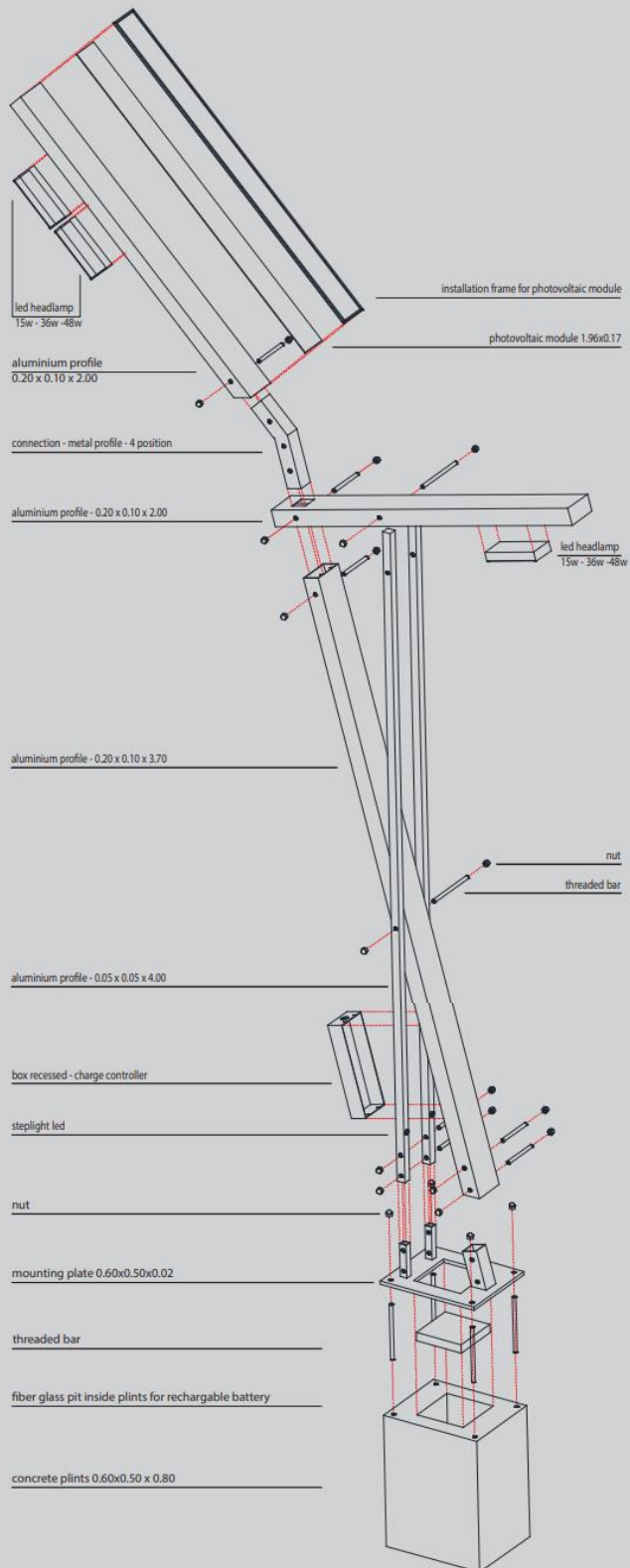


Electrical Engineering
and Management

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ALBEROLUCE

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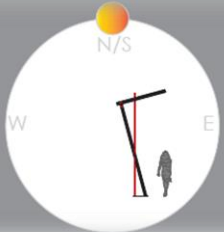
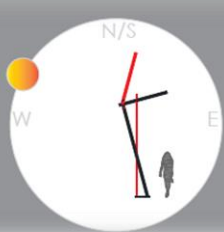
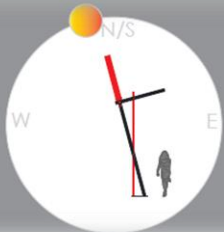


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PRODUCT'S OVERVIEW

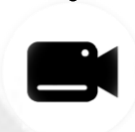
DESCRIPTION	1x18	2x18	1x36	2x36	1x48	2x48
Led module power	18 W	36 W	36 W	72 W	48 W	96 W
Colour temperature	4000/6500 K		4000/6500 K		4000/6500 K	
Lumen for single lamp	2650-3000		5300-6000		7950-9000	
Battery type	12 V 30 Ah LiFe PO4					
Photovoltaic module	1/2 power module 48 wp					
Pole type	Aluminium pole, Aluminium Alloy, finish: powder coated colour on demand					
Size	Square pipe 100x100/50x50 mm, Height 4000+2000 mm					
Lamp certification	Declaration CE of Conformity					
Fv configuration	1 side 1x48W, two side 2x48W, 4 positions 90° each					
BMS controller	BMS base unit 120W DC, BMS Smart Grid unit 500W DC (web connection multi-point controller)					



WI-FI



REMOTE CONTROL



TVCC



RECHARGE

SMD POWER LED XHP50.2 CREE

Size	5x5mm
Product Option	6v 12v High-CRI
Maximum Drive Current	3 Ah (6V) 1,5 Ah (12V)
Max Power (unit)	18 W
Max Light Output (Lm)	2654 Lm
Max Efficiency at Binnig Conditions (Lm/W)	165 Lm/W
Typical Forward Voltage	5,6 V White @ 1400 mA (6V) 11,2 V @700 mA (12V) 85° C
Binning	ANSI (White) 2-3-and-5-Step easywhite®
Reflow Solderable	Yes JEDEC J-STD-020C-Compatible
Thermal Resistance	1,2 °C/W
RoHS-Compliant	Yes
REACH-Compliant	Yes

BATTERIES

LiFePO₄

Specific energy ₂	100-130
Cycle Life @20°C (to 80% of initial capacity), values are strongly depending on manufacturer	2000-4000
Road trip efficiency (%)	90-95
Self discharge/Mounth (@20°C)	< 10%
Cell Voltage (nominal)	3,2 V
Load Current (peak, best result)	
Operating temperature	-20°C/+60°C
Termal runaway start temperature	~ 100°C
Major advantages	High specific energy, high round trip efficiency



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Smart city system



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