

KEY ADVANTAGES

- Seamless integration of high performance solar panels and batteries into standard sized stage trusses.
- Fully modular construction enabling on-site customization of solar and battery capacities to meet local demand
- Easy transportation on standard pallets
- Quick assembly with standard tools
- Robust base construction – high wind resistance
- Easy leveling on any surface
- Numerous light distributions
- Ability to harvest energy in poor weather conditions

The MOBILA self-sufficient mobile solar streetlight offers flexible lighting solution for spaces where temporary lighting required.
MOBILA is designed to be fully modular utilizing standard sized 1200mm stage truss modules that fits on standard Euro pallets enabling easy transportation and quick assembly on-site.
Each module can be equipped with solar panels for full flexibility on solar capacity enabling quick and easy adaptation to local site requirements such as different light levels, shadows, traffic density, etc.

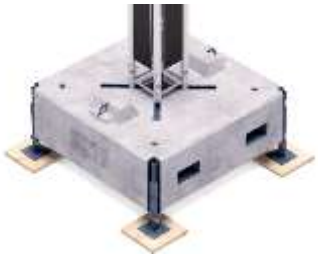
MOBILA is designed to be heavy duty to work even in the toughest environment:
Vertical panel arrangement prevents snow and dust accumulation ensuring reliable operation all year round
Battery is integrated inside the truss element to protect them from mechanical impact
All connectors are IP67 rated – waterproof and dust resistant.
Heavy duty concrete base ensures stability and high wind resistance
Concrete base has provision for forklift lifting for easy transportation.

Operation is fully autonomous and parameters can be adjusted on site using a small controller

MOBILA solar powered mobile lighting solution is suitable for almost any terrain



Standard quick connection 1200mm truss blocks. Easy to assemble and transport. (Fits on Euro pallet)



Heavy duty concrete base plate with built-in fixation and adjustable stands. Forklift-ready for easy and safe transportation



Hinged fixation for easy ground level assembly. No special equipment needed.



Optional box packaging for additional protection and easy storage



Waterproof components (LED module, power supply and cabling) make the luminaire lightweight and easy to install

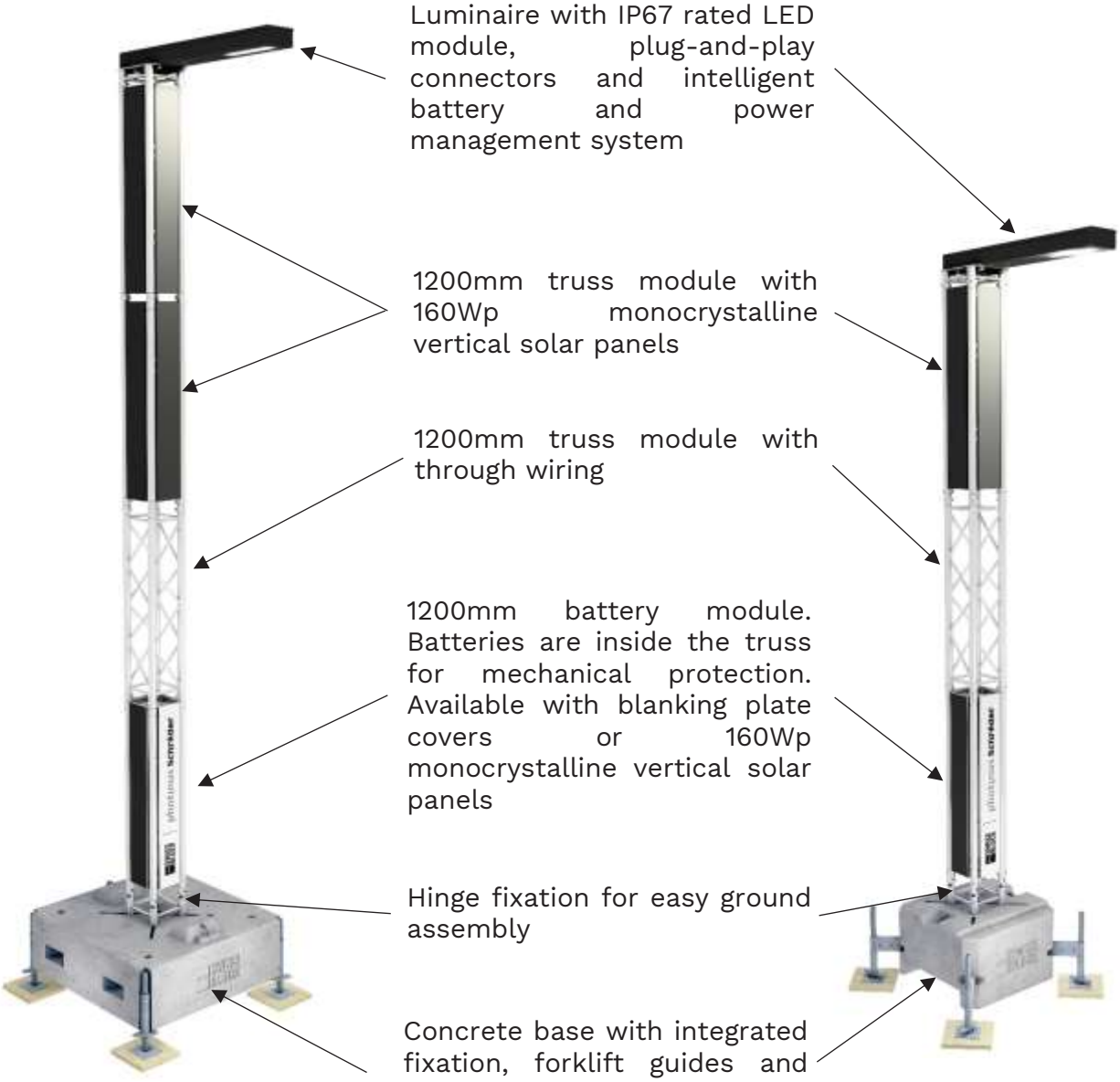


IP67 water and dust proof coded connectors for reliable connection



The IPX8 LiFePO4 battery offers superior water resistance and reliable performance

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RANGE



Product	Trusses	Pole height	Solar modules	Battery	Concrete size	Concrete weight
MOBILA 150	3	3600	4	1024 Wh	80x80x50 mm	600 kg
	4	4800	4	2048 Wh	120x120x40 mm	1200 kg
MOBILA 300	3	3600	8	1024 Wh	80x80x50 mm	600 kg
	4	4800	8	2048 Wh	120x120x40 mm	1200 kg
MOBILA 450	3	3600	12	1024 Wh	80x80x50 mm	600 kg
	4	4800	12	2048 Wh	120x120x40 mm	1200 kg
MOBILA 600	4	4800	16	2048 Wh	120x120x40 mm	1200 kg

CHARACTERSITICS

GENERAL	
CE Mark	Yes
Electrical Class	Class III
Wind resistance	Check with Schréder representative

MATERIALS	
Truss	Aluminum - unpainted
Metal parts	Powder coated aluminum
Color	Tiger 29/70787 Sparkling Iron Effect Dark
Solar panel impact resistance	IK 06

SOLAR MODULES	
Technology	Monocrystalline silicon cells 38 cells per module
Frame	Anodized aluminium
Glass	3.2mm tempered glass
Power per module	40Wp
Solar cell efficiency	22%
Life expectancy	25 years

BATTERY	
Chemistry	LiFePO4
Voltage	12.8V
Capacity:	1024Wh (80Ah) or 2048Wh (160Ah)
Operating temperature	-20°C to 60°C
Autonomy	3 to 10 days
Water resistance	IPX8
Life expectancy	>10 years

LED MODULE	
Optic / protector	PC integrated lens
Tightnes level	IP67
LED colour temperature	2200K (Warm White 722) 3000K (Warm White 730) 4000K (Neutral White 740)
Colour rendering index (CRI)	>70
Upward Light Output Ration (ULOR)	0%
Upward Light Ratio (ULR)	0%
LED Lifetime	100.000h - L95

CONTROL	
PIR sensor	Optional
Zhaga socket	Optional

PERFORMANCE

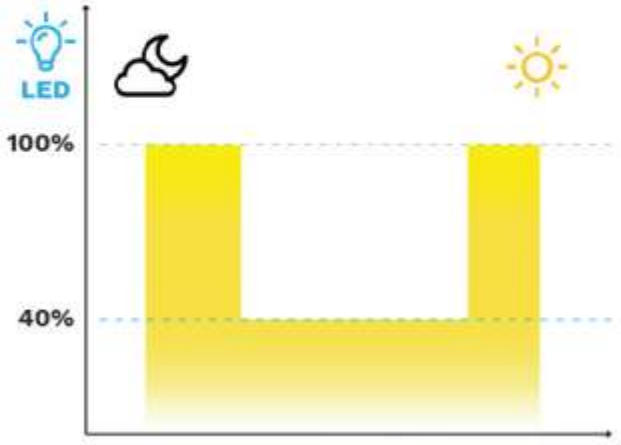
	Luminaire output flux (lm) Warm White 722		Luminaire output flux (lm) Warm White 730		Luminaire output flux (lm) Neutral White 740		Power consumption (W)		Luminaire efficacy (lm/W)
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Up to
24	400	6300	500	7000	500	7400	3	51	191

STANDARD DIMMING PROFILES*

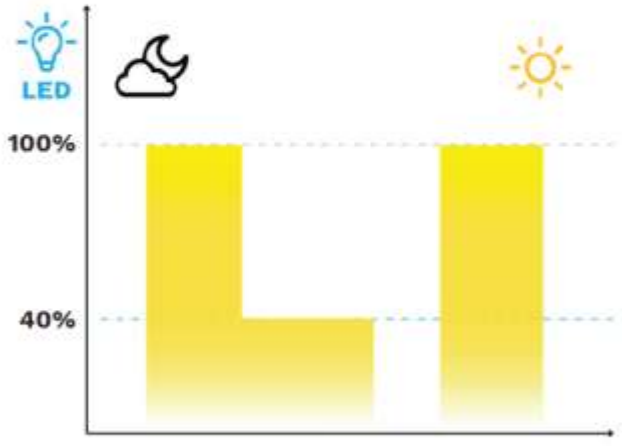
V3: all night 100%



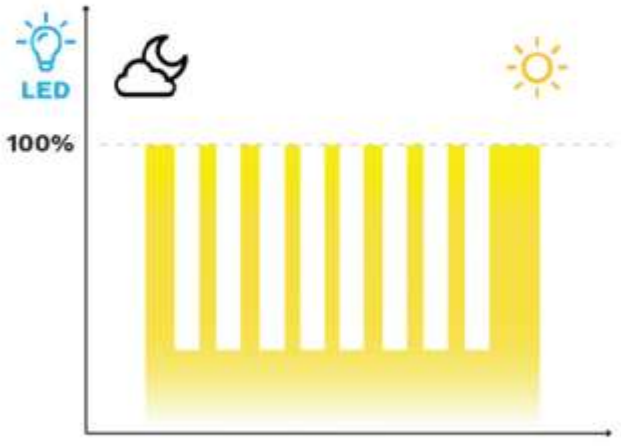
V4: night dimming to 40%



V5: partial switch OFF



Light on demand (sensor)

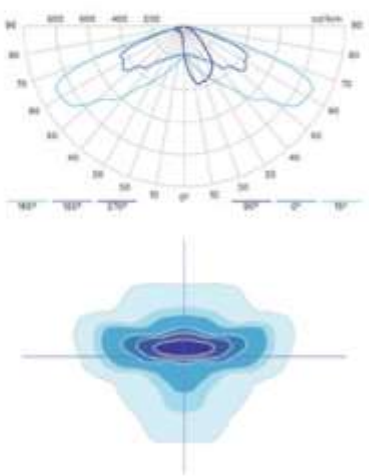


*Customised dimming profiles are available as an option.

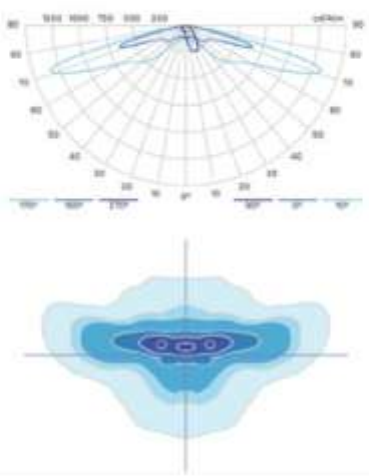
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LIGHT DISTRIBUTIONS

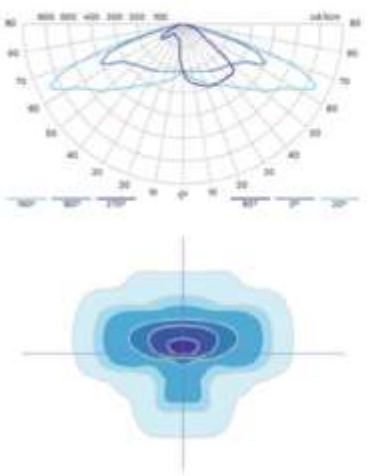
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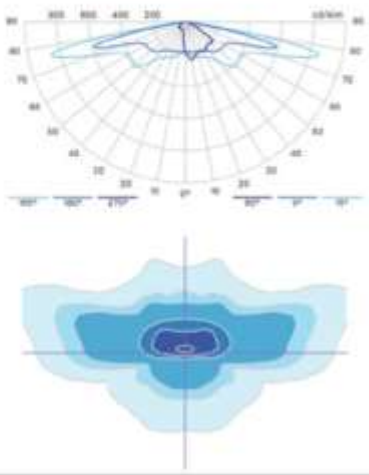
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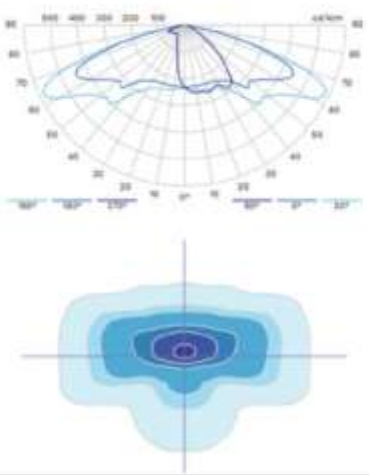
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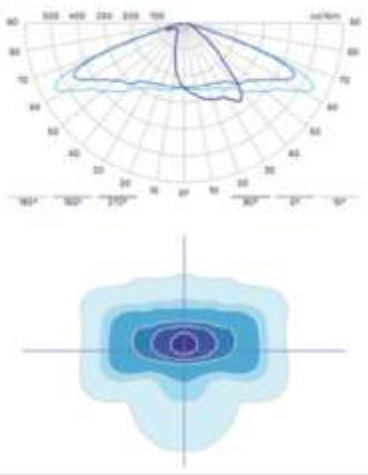
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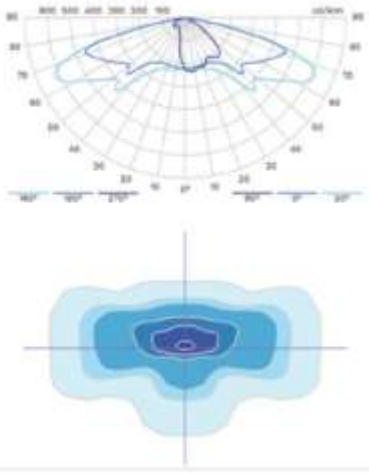
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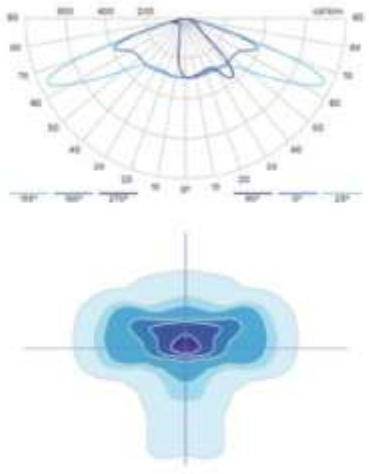
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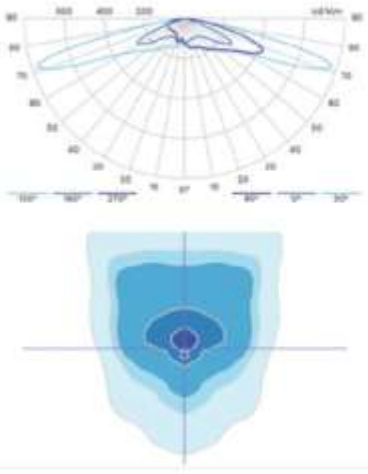
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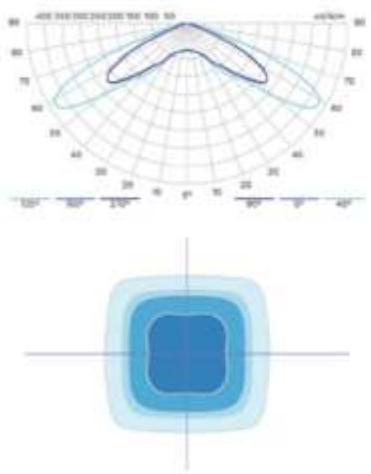
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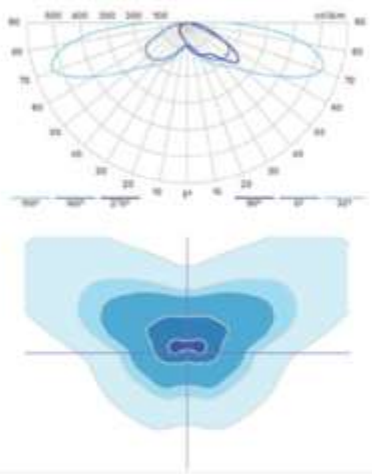
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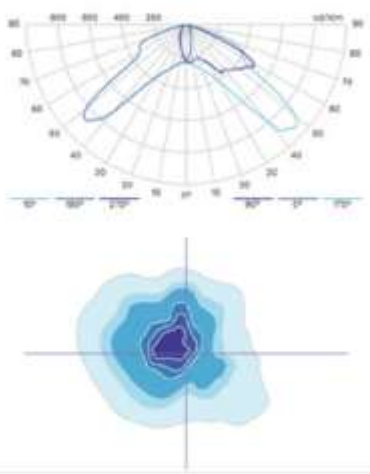
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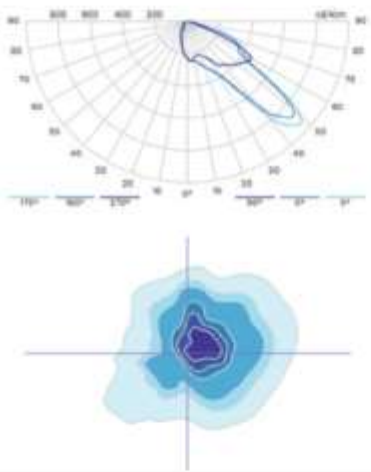
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