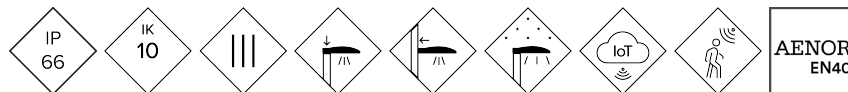


Streetlamp Solar DIBA

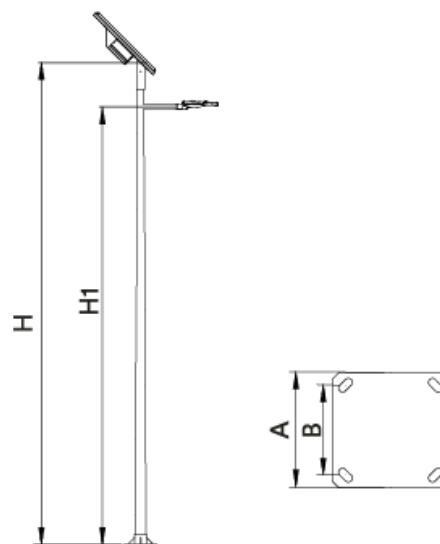
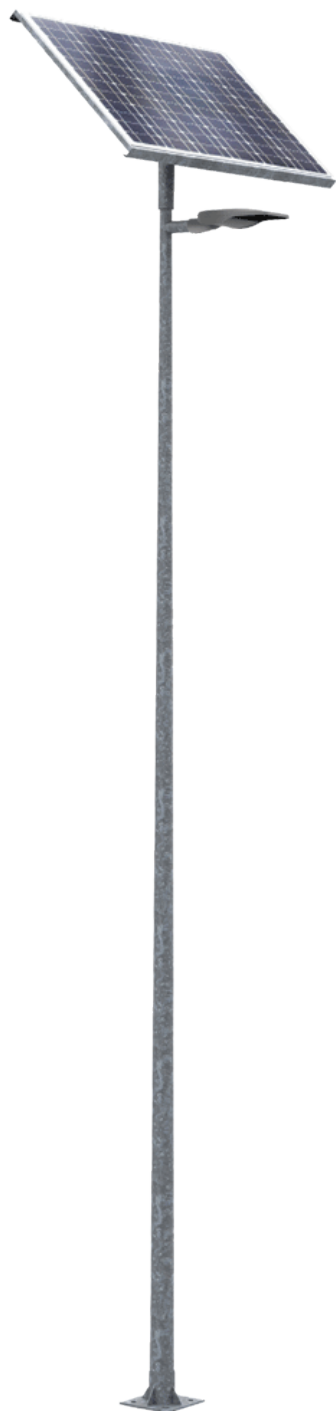
ICST+ALMS60



Solar point consisting of a galvanized steel box painted with anti-corrosion paint. The batteries and electronic equipment are housed in a removable IP66 watertight enclosure. It also holds the photovoltaic panel at the appropriate tilt angle for each latitude. It adapts to any size photovoltaic panel. It incorporates a fixing anchor to the Pole so that it can be locked at the necessary rotation angle to orient the photovoltaic panel towards the south. This rotation is independent of the luminaire's position. It features convection cooling. Its optional truncated conical or cylindrical Pole is machined at the top to accommodate a tile for the light fixture.

FEATURES:

- Monocrystalline photovoltaic panel - 190 Wp
- LiFePo4 battery (48 Ah - 576 Wh / 96 Ah - 1152 Wh)
- Optional presence sensor
- Programmable flow control: 8 levels
- Color temperature: 1800K, 2200K, 2700K, 3000K, 4000K
- 18 Opticians available
- 6 m Pole



Ref.	Ø	H	H1	A	B	
ICST60PP	60	6000	5500	400	300	M22X700

ADVANTAGES:

- Maximum efficiency. Up to 152 lm/W actual.
 - Two powers: 30 W (4,560 lm) and 60 W (9,120 lm)
 - Autonomy up to 5 days.
 - Easy maintenance and installation. Replaceable battery and control kit.
 - Optional: Remote control sensor (WiFi)
-

TECHNICAL SPECIFICATIONS:

- Pole Height: 4 - 6 m
Pole type: Truncated conical or cylindrical
 - Light Point Height: Up to 5.5 m
 - Wind resistance: 29 m/s
 - Paint and finish of the hood: Pre-galvanized and coated with polyester powder paint, electrostatically sprayed and oven-cured. Corrosion resistant. Color RAL 9022.
 - Controller: MPPT charge controller. Different timed levels.
 - Ready4IOT - Connectivity: Zhaga Base (Book 18) - D4i (Optional).
 - NEMA 5.7 Pin Base (Optional).
 - Presence sensor on the bottom of the Zhaga base (Book 18) - D4i (Optional).
-

ELECTRICAL SPECIFICATIONS:

- Battery: LiFePo4 (48 Ah - 576 Wh / 96 Ah - 1152 Wh)
 - Download depth: 100%
 - Battery recharge time: 3 - 4 h
 - Photovoltaic Panel: Polycrystalline - 190 Wp / 18 Vdc
 - Charge Controller: MPPT
 - Dual discharge protection: BMS battery protector and minimum discharge level
 - Flow reduction: 8 levels of flow reduction (time control)
 - Remote Control: Optional via App (WiFi)
 - Autonomy without prevention sensor: Up to 5 nights
 - Driver Efficiency: >90% (MPPT)
 - Battery life: >4000 cycles @DOD 75% (Remaining capacity 80%)
-

TABLE TECHNICAL :

Battery	Power (W)	Autonomy* (nights)	
		Standard Flow Reduction	<sECO Flow Reduction
576 Wh (48 Ah)	30	2	3
	40	4	>5
1152 Wh (96 Ah)	60	3	4

*Considerations: No daytime sunlight, no PIR presence sensor, 12-hour nighttime average, and non-extreme atmospheric conditions.

FLOW REDUCTION CURVES:

