

ELSTA Solar	Elsta I Solar	Elsta II Solar
Type	Solar luminaire	
Application	Off-grid locations and ecologically sensitive areas	
Operation control	Timer and / or photoelectric lighting controller	
Days of autonomy	> 5 days	> 7 days
Energy supply	Photovoltaic module: 40 Wp, battery pack	Photovoltaic module: 80 Wp, battery pack
Lighting technology		
Light source	12 x 3W-Power-LEDs	24 x 3W-Power-LEDs
Colour temperature	6500 K	
Lamp wattage (dimnable)	4 - 20 W	4 - 40 W
Luminous flux (lumen)	1170 at 14,0 W	2200 at 28,0 W
Average LED-life	> 50.000 hours	
Electronics		
Electronic control	Microcontroller	
Charging current	max. 4A	max. 8A
Idle consumption	< 10 mA	
Protections	Against module reverse current, overcharging, deep discharging, reverse polarity and overload	
Operating voltage	12V DC / battery	
Type of battery	Lead-acid rechargeable batteries	
Battery capacity	customer or application specific	
Mechanics		
Pole fitting	Standard: screw coupling for a 76 mm pole; straight or with circular curved bracket, optional: custom fitting as per order	
Lighting fixture	Aluminium enclosure and pole fitting	
Colour	Aluminium or any RAL Color	
Dimension of lighting fixture in mm	630x150x60	930x150x60
Weight	5,8 kg	7,6 kg
Mounting		
Pole dimension	Customer-specific	
Pole material	Aluminium, stainless steel or as per customer demand	