

<b>ELSTA Hybrid</b>	<b>Elsta I Hybrid</b>	<b>Elsta II Hybrid</b>
Type	Hybrid luminaire (solar & grid connection)	
Application	Locations which require a redundant power supply	
Operation control	Timer and / or photoelectric lighting controller	
Days of autonomy	Redundant - solar, grid	
Energy supply	Photovoltaic module: 40 Wp, battery pack, grid power	Photovoltaic module: 80 Wp, battery pack, grid power
<b>Lighting technology</b>		
Light source	12 x 3W-Power-LEDs	24 x 3W-Power-LEDs
Colour temperature	6500 K	
Lamp wattage (dimnable)	4 - 25 W (max.)	4 - 50 W (max.)
Luminous flux (lumen)	1170 at 14,0 W	2200 at 28,0 W
Average LED-life	> 50.000 hours	
<b>Electronics</b>		
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	230V AC / power grid or 12V DC / battery	
Type of battery	Lead-acid rechargeable batteries	
Battery capacity	customer or application specific	
<b>Mechanics</b>		
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
<b>Mounting</b>		
Pole dimension	Customer-specific	
Pole material	Aluminium, stainless steel or as per customer demand	