

Model: Shems MK II

General information	
Pole Height	6.5 m - 10m
Light Spot Height	6.5 m - 10 m
Diameter	180 mm
Beam Angle	25° degree
Weight	~180 kg
Number of Days of Autonomy	> 3 days (luminous efficacy automatically reduced)
Luminary	
LED Quantity	48 Lumileds
LED Wattage	60W
Lumen Output	10,365 lm luminaire
Lumen Efficiency	~172 lm /W
CRI	> 70 (optional >80 and >90)
CCT (Colour Temperature)	3000, 4000 (Standard), 5000, 6000K
Operation Temperature	-20°C / + 60°C (depending on battery option)
Lifetime	L70 > 120,000 hrs
Dim ability	continuously dimmable (0-100%)
ON/OFF control	Programmable from Dusk till Dawn
Light Profile	Programmable
Motion Sensor	optional
Warranty	5 years
Pole	
Material	Steel hot-dip galvanized with powder coating
Colour	silver metallic pole, black brilliant tube bend Other colours optional
Wind load	36 m/s
Corrosion protection	C3 Standard C5m optional
Warranty	10 years anti-corrosion 20 years anti corrosion C5m (optional)
Battery	
Option 1: Lead Acid	6 pcs; 12V / 15Ah
Lifetime:	3 years (1.200 cycles)
Warranty	1 year
Option 2: LiFePO4	Lithium LiFePO4 (High Temperature 70°C)
Lifetime	6300 cycle at 55% DOD; ~ 17 years
Warranty	3 years (5 years optional)
Position	Batteries in the pole
Grid Connection (Optional)	
Charger Input	110 V / 220 V; 47 Hz – 63 Hz; 89% Efficiency
Charger Control	On/Off on demand
Grid connection	N – L1 – L2 – L3 - PE
Protection	Neozed E14 400V/ 10A Fuse
Modus	Grid charging if in-sufficient sun-power availability
Solar MODULE	
Type	SunPower Mono crystalline silicon
Quantity	1 PV - 64 cells
Communication/ Camera (Optional)	
Camera	Axis F41 / 1035E; 5 Mega Pixel; Fish eye 192° POE (Ethernet)
Protection and Security	
IP 66 Protection; IK09	
Glass cover around LED unit for protection against sand abrasion	
Reverse polarity protection	
Low battery voltage cut-off	
Security pole door / Anti-Vandalism	

