

Model: Royal

General information	
Pole Height	7 m - 10 m
Light Spot Height	6.5 m - 10.5 m
Diameter	180 mm
Weight	180 kg
Number of Days of Autonomy	> 3 days (luminous efficacy automatically reduced)
Luminary	
LED Quantity	32 Cree X3
LED Wattage	60W
Lumen Output	8,431 lm
Lumen Efficiency	~140 lm/W
CRI	>70
CCT (Colour Temperature)	4,000K (Optional 3,000)
Operation Temperature	-20°C / + 60°C
Lifetime	L70 > 50,000 hrs
Dim ability	Continuously dimmable (0-100%)
ON/OFF control	Brightness sensor (programmable)
Light Profile	Programmable
Warranty	5 years
Pole	
Material	Steel hot-dip galvanized with powder coating
Colour	Silver metallic pole with black brilliant tube bend
Wind load	36 m/s
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 ~ 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
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	

