

TECHNICAL DATA SHEET

GENERAL INFORMATION

Model	SHEMS SINGLE S
Pole Height	6.5 m
Light Spot Height	6.26 m
Diameter	178 mm
Beam Angle	25 degree
Weight	180 kg
Number Of Days Of Autonomy	> 3 days (luminous efficacy automatically reduced)

LUMINARY

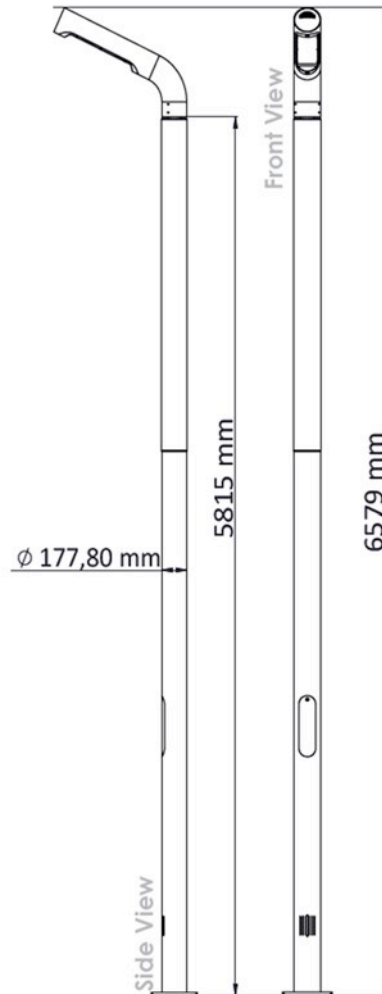
LED Type	Bridgelux
LED Quantity	72
LED Wattage	57W
Total Capacity Input Voltage	1550mA @ 6 string (~ 258mA per string) 38V max
Lumen	6,313 Lumen
Luminous Efficacy	110 - 130 lm/W (depending on dimming factor)
Color	4,125K
Temperature Operation	-20 - 60°C
Temperature Lifetime	> 100,000 hrs
Dimmability	continuously dimmable (0-100%)
ON/OFF control	brightness sensor (programmable)
Light Profile	programmable

POLE

Material	steel hot-dip galvanized with powder coating
Color	silver metallic pole, black brilliant tube bend
Windload	36 m/s

BATTERY

Type	Sealed Lead Acid, deep cycle
Quantity	6
Voltage	12V
Capacity	12Ah
Total Capacity	864W
Lifetime	1,200 cycles
Position	integrated in pole



SOLAR MODULE

Type	Mono crystalline silicon
Quantity	64

WARRANTY

Pole	corrosion 10 years
Solar Module	10 years
Battery	2 years
Electronic Parts	5 years

PROTECTION AND SECURITY

IP 66 Protection
Reverse polarity protection
Low battery voltage cut-off
Double-chip LED
Security pole door



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