

TECHNICAL DATA SHEET

GENERAL INFORMATION

Model	Taqa Single
Pole Height	8.9 m
Light Spot Height	8.6 m x 2
Diameter	178 mm
Beam Angle	25° degree
Weight	~240 kg aprox.
Number Of Days Of Autonomy	> 3 days (luminous efficacy automatically reduced)

LUMINARY

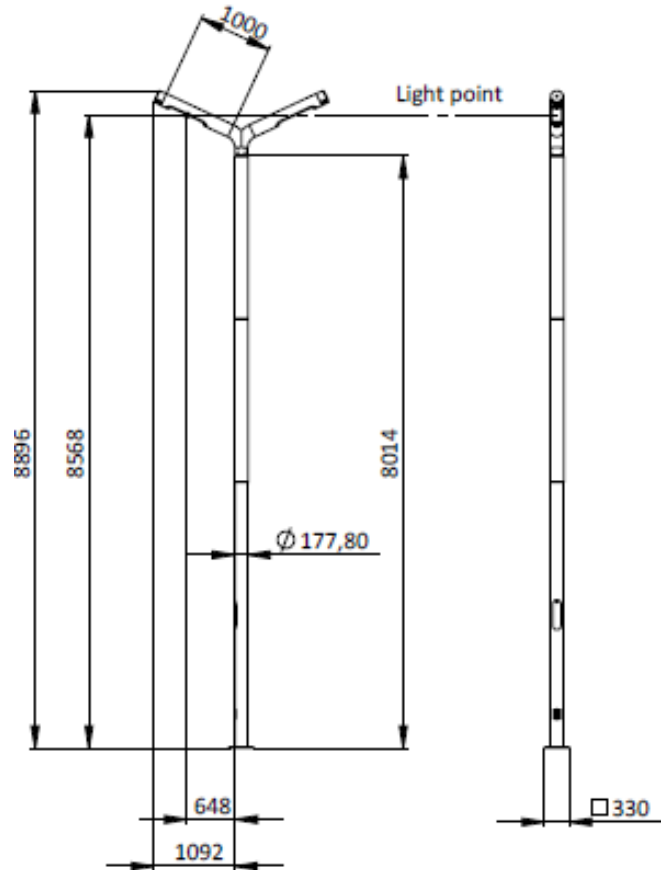
LED Type	Bridgelux
LED Quantity	72 per head (144 in total)
LED Wattage	2x57 W= 114 W
Lumen	2*6,313 Lumen = 12.626 lm
Luminous Efficacy	~130 lm/W (depending on dimming factor)
Color Temperature	4,125K
Light Profile	ME class (according DIN 13201)
Operation Temperature	-20°C / + 60°C
Lifetime	> 100,000 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	Lithium Iron Phosphate
Quantity	8
Voltage	12V
Capacity	15Ah each
Total Capacity	1440 Wh
Lifetime	~5000 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 / Anti-Vandalism