



Suitable for Residential
and Commercial use.

SPECTRUM SERIES

ASTRAL SOLAR LIGHTING COLUMN

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**SOLAR
VISION**
LIGHTING TECHNOLOGIES



ASTRAL SOLAR LIGHTING COLUMN

TECHNICAL SPECIFICATIONS

Product Type	ASTRAL U20W	ASTRAL U30W	ASTRAL U50W
Fixture IP	IP67		
Material	Aluminium Die Casting		
LED Type	Philips Lumileds		
CCT Range	3000K / 4000K / 5000K / 6000K		
CRI	>81		
Luminous Flux	3200lm	4800lm	6800lm
Pole Height	5-6 Metres	6-8 Metres	6-10 Metres
Rated Power	20W	30W	50W
Luminaire Efficiency	160	160	136
Warranty	3 Years		
Certificates	CE - ROHS - IP67 - IK08 - LM79 - LM82 - TM21 - FCC - CB - IECEE		

Battery Pack

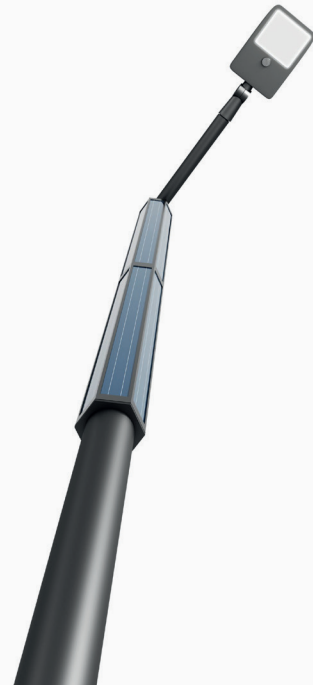
Battery Type	Lithium Iron Phosphate - LiFeP04 (2000 Cycles)
Battery Lifetime	>4000 Cycles DOD 50% or >2000 Cycles at 100% DOD
Charge Time	3 Hours

Control System	Programmable MPPT Controller / Hybrid Controller / Wireless Intelligent Control
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Solar Charge	Q100	Q140	Q200
Structure	Aluminium Alloy		
Dimensions (mm)	228 x 200 x 1160	228 x 200 x 1560	228 x 200 x 2065
Pmax	100wp x2	140wp x2	200wp x2
Vmp	36V		
Solar Cell Efficiency	21.20%		
Cable	MC4 0.6 meter		
Operating Temp.	-30°C - 70°C		
Lifetime	25 Years		
Warranty	3 Years		
Certificates	CE - ROHS - FCC - IP67 - LM80 - COC - IK10 - LM79 - SABER - CB		

Controller

Charge Mode	MPPT
System Voltage	12V
Efficiency	>98%
Setting Method	By Remote Control
Installation Method	Built In
Operating Temp.	-40°C - 80°C
IP Rating	IP68
Lighting Modes	100% Continuous Lighting / Energy Saving / Customised Modes



PRODUCT INFORMATION

Our ASTRAL Lighting Column offers you the ability to quickly and simply install new lighting or replace obsolete ones with the latest generation LED lamps powered by solar energy.

We can offer you a 100% solar version, completely independent off the grid, but also a hybrid version (combining solar and on-grid system). With these different versions, our aim is to offer a varied solution for projects and to thereby be in a position to meet the different demands of customers with regard to their infrastructure.

Our ASTRAL Lighting Column is equipped with advanced LED and photovoltaic technology. The vertical design of the SOLAR WRAP® provides for very low maintenance, reducing the need for cleaning, which maximises yields at all times.

Our ASTRAL column comes in four versions, entirely solar powered or hybrid, with the option of a single or double LED head.