



Product Catalogue

Solar Lighting Solutions by Morgan Hope



ACCREDITED
SUPPLIER

'Making business sense of climate change'

The **Carbon Trust** is an independent, expert partner of leading organisations around the world, helping them contribute to and benefit from a more sustainable future through carbon reduction, resource efficiency strategies and commercialising low carbon technologies.

The Carbon Trust Standard is the world's leading independent certification of an organisation's impact on the environment by verifying action on the three primary components of environmental sustainability: energy use and associated greenhouse gas (CO₂e) emissions, water use and waste output.

Life expectancy of LED bulbs
compared to Incandescent bulbs
is on average **10** times greater

Lighting typically consumes **20%**
of the electricity used in commercial
and industrial buildings

Replacement of halogen lighting by
LED units has the potential to
reduce electricity consumption by
between **65** and **85%**

20%

x10

65-85%



Dedicated to providing environmentally efficient lighting solutions



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ASTRID

HIGHLITE SPSL-V3

SOLAR LIGHTING

20w / 30w / 40w / 50w / 60w / 75w / 100w

STREET LIGHTING

CAR PARKS

NO POWER AREAS

PARKS & RECREATIONAL

SPORTS PITCHES

FEATURES:

- 20w up to 100w
- 200lm/w
- 4000lm up to 20,000lm
- Available in 3/4/5/6K colour
- Hybrid option
- PTC Heating Function
- Infrared Sensor
- Bifacial Solar Panel
- Anti-Bird Spike - optional
- Fully Rotatable Body
- Rotatable LED modules - 30°
- 50,000hrs/L80 Life
- Charging Time 4-10 Hours
- Run Time - Regulating output up to 43hrs
Full Output - up to 16 Hours.
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C



ASTRID

HIGHLITE SPSL-V3 SOLAR LIGHTING

20w / 30w / 40w / 50w / 60w / 75w / 100w

The Astrid HighLite SPSL-V3 range is our most versatile Solar Street Light range packed with features. Producing up to 20,000lm (100W version) at full output on a full charge and able to run for a up to 43 hours they outperform most of their competitors.

The Astrid HighLite SPSL-V3 range comes with a built in PTC heater that will keep the fitting performing to its fullest in temperatures as low as -40°C.

The fully rotatable body and modules ensure the light is directed to exactly where it is needed.

The built in infrared sensor brings the fitting to full

output when presence is detected and after 1 hour of non-detection it will drop down to 80%, then to 60% for the following 2 hours at which point it will stay at 25% providing improved battery life.

Should detection be made at any stage during the dimming process, output will return to 100%.

Available in a Hybrid option which will work off mains secondary when the battery reaches its low threshold and kicks back onto battery once charged up again ensuring light is always available.

TECHNICAL & OPTIONS:

ASTRID HIGHLITE	WATTAGE	LAMP LUMENS	COLOUR TEMP	HOURS AT 100% OUTPUT	HOURS AT STANDARD MODE	HOURS AT SENSOR DIMMING MODE
SPSL-V3-20W	20w	4000 lm	3000k 4000k 5000k 6000k	11hrs	27 hrs	30 hrs
SPSL-V3-30W	30w	6000 lm		11 hrs	27 hrs	30 hrs
SPSL-V3-40W	40w	8000 lm		12 hrs	30 hrs	35 hrs
SPSL-V3-50W	50w	10,000 lm		14 hrs	36 hrs	42 hrs
SPSL-V3-60W	60w	12,000 lm		14 hrs	35 hrs	40 hrs
SPSL-V3-75W	75w	15,000 lm		13 hrs	32 hrs	39 hrs
SPSL-V3-100W	100w	20,000 lm		16 hrs	40 hrs	43 hrs

Standard Working Mode - (1st Hour 100% output, 2nd Hour 80% output, 3-4th Hour 60% output, then 25% output onwards. If at any point during this process detection is made output will return to 100%).
Sensor Dimming Mode - (1-2 Hours 100% output, 3-12 Hours Dimming = 20% output. If at any point during this process detection is made output will return to 100%). Can be customised.

ASTRID

HIGHLITE SPSL2-V3

SOLAR LIGHTING

30w / 40w / 50w / 100w

STREET LIGHTING

CAR PARKS

NO POWER AREAS

PARKS & RECREATIONAL

SPORTS PITCHES

FEATURES:

- 30w up to 100w
- 200lm/w
- 6000lm up to 20,000lm
- Available in 3/4/5/6K colour
- Bifacial Solar Panel
- Anti-Bird Spike - optional
- Fully Rotatable Body
- Rotatable LED modules - 30°
- 50,000hrs/L80 Life
- Charging Time 7.5-10 Hours
- Run Time - Regulating output up to 43hrs
Full Output - up to 16 Hours.
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C

ASTRID

HIGHLITE SPSL2-V3

SOLAR LIGHTING

30w / 40w / 50w / 100w

The Astrid HighLite SPSL2-V3 range of double ended solar powered street lights are packed with features.

Rotatable and telescopic LED modules are powered by extra long-life Li-ion batteries which are supplied by the unique bi-facial solar panels.



TECHNICAL & OPTIONS:

ASTRID HIGHLITE	SPSL-2-V3-30W	SPSL-2-V3-40W	SPSL-2-V3-50W	SPSL-2-V3-100W
Solar Panel	50W	75W	100W	160W
LED Chip	Philips 5050			
Size	L66 x W45cm	L106 x W45cm	L130 x W45cm	L106 x W80cm
Luminary Efficacy	200 Lm/W			
Power	30W	40W	50W	100W
Lumens	6000 Lm	8000 Lm	10000 Lm	20000 Lm
Optical Lens	140 x 70 Deg. Type III / Type II			
CCT	3000K - 6500K (Typical 6000K)			
Battery	Li-ion 12V 31.2Ah	Li-ion 12V 46.8Ah	Li-ion 12V 62.4Ah	Li-ion 12V 135.2Ah
Charging Time	7.5 hrs	7.5 hrs	7.5 hrs	9-10 hrs
Discharging Time	5-7 days @ Dim mode (can be customised before delivery)			
Motion Sensor	Optional choice, 20-25m detective distance (Typically without motion sensor)			
IP Grade	IP65			
Pole Height	3-8 metres depending on requirements			
Weight	18kg	20kg	23kg	28kg
Wind Load	130mph (>45m/s)			
Controller	MPPT (6KV SPD)			
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.			
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.			

Standard Working Mode - (1st Hour 100% output, 2nd Hour 80% output, 3-4th Hour 60% output, then 25% output onwards. If at any point during this process detection is made output will return to 100%).
Sensor Dimming Mode - (1-2 Hours 100% output, 3-12 Hours Dimming = 20% output. If at any point during this process detection is made output will return to 100%). Can be customised.



ASTRID

HIGHLITE SPSL3-V3

SOLAR LIGHTING

125w / 150w / 175w / 200w

STREET LIGHTING

CAR PARKS

NO POWER AREAS

PARKS & RECREATIONAL

SPORTS PITCHES

FEATURES:

- 125w up to 200w
- 200lm/w
- 20,000lm up to 40,000lm
- Available in 3/4/5/6K colour
- Hybrid option
- PTC Heating Function
- Infrared Sensor
- Bifacial Solar Panel
- Anti-Bird Spike - optional
- Fully Rotatable Body
- Rotatable LED modules - 30°
- 50,000hrs/L80 Life
- Charging Time 4-10 Hours
- Run Time - Regulating output up to 43hrs
Full Output - up to 16 Hours.
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C

ASTRID

HIGHLITE SPSL3-V3

SOLAR LIGHTING

125w / 150w / 175w / 200w

The Astrid HighLite SPSL3-V3 Solar Street Light range is packed with features. Producing up to 40,000lm (200W version) at full output on a full charge and able to run for a up to 43 hours they outperform most of their competitors.

The Astrid HighLite SPSL3-V3 range comes with a built in PTC heater that will keep the fitting performing to its fullest in temperatures as low as -40°C.

The fully rotatable body and modules ensure the light is directed to exactly where it is needed.

The built in infrared sensor brings the fitting to full output when presence is detected and after 1 hour of non-detection it will drop down to 80%, then to 60% for the following 2 hours at which point it will stay at 25% providing improved battery life.

Available in a Hybrid option which will work off mains secondary when the battery reaches its low threshold and kicks back onto battery once charged up again ensuring light is always available.

TECHNICAL & OPTIONS:

ASTRID HIGHLITE	SPSL-3-V3-125W	SPSL-3-V3-150W	SPSL-3-V3-175W	SPSL-3-V3-200W
Solar Panel	200W	200W	260W	260W
LED Chip	Philips 5050			
Size	L130 x W45cm	L130 x W45cm	L106 x W80cm	L106 x W80cm
Luminary Efficacy	200 Lm/W			
Power	125W	150W	175W	200W
Lumens	25000 Lm	30000 Lm	35000 Lm	40000 Lm
Optical Lens	140 x 70 Deg. Type III / Type II			
CCT	3000K - 6500K (Typical 6000K)			
Battery	Li-ion 12V 52Ah	Li-ion 12V 62.4Ah	Li-ion 12V 135.2Ah	Li-ion 12V 208Ah
Charging Time	3.5 hrs	4 hrs	6 hrs	9.5 hrs
Discharging Time	5-7 days @ Dim mode (can be customised before delivery)			
Motion Sensor	Optional choice, 20-25m detective distance (Typically without motion sensor)			
IP Grade	IP65			
Pole Height	3-8 metres depending on requirements			
Weight	30kg	32kg	42kg	50kg
Wind Load	130mph (>45m/s)			
Controller	MPPT (6KV SPD)			
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.			
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.			

Standard Working Mode - (1st Hour 100% output, 2nd Hour 80% output, 3-4th Hour 60% output, then 25% output onwards. If at any point during this process detection is made output will return to 100%).
Sensor Dimming Mode - (1-2 Hours 100% output, 3-12 Hours Dimming = 20% output. If at any point during this process detection is made output will return to 100%). Can be customised.

ASTRID

OLYMPIC PRO/PRO-L SOLAR LIGHTING

50w / 75w / 100w / 150w / 200w / 250w

FLOOD LIGHT KIT

CAR PARKS

PARKS & RECREATIONAL

SPORTS PITCHES

NO POWER AREAS

FEATURES:

- 50w up to 250w
- 200lm/w
- 10000lm up to 50,000lm
- Available in 3/4/5/6K colour
- PTC Heating Function
- Infrared Sensor
- Bifacial Solar Panel
- Anti-Bird Spike - optional
- Fully Rotatable Body
- 50,000hrs/L80 Life
- Charging Time 6-18 Hours
- Run Time - Regulating output up to 43hrs
Full Output - up to 16 Hours.
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C



ASTRID

OLYMPIC PRO/PRO-L

SOLAR LIGHTING

50w / 75w / 100w / 150w / 200w / 250w

FLOOD LIGHT KIT CAR PARKS NO POWER AREAS
PARKS & RECREATIONAL SPORTS PITCHES

The Astrid Olympic Pro / ProL flood light kit is packed with features. Producing up to 50,000lm (250W version) at full output on a full charge and able to run for a up to 43 hours they outperform most of their competitors.

The Astrid Olympic Pro / ProL range comes with a built in PTC heater that will keep the fitting performing to its fullest in temperatures as low as -40°C.

TECHNICAL & OPTIONS:

ASTRID OLYMPIC	PRO-50W	PRO-75W	PRO-100W	PRO-150W	PRO-200W	PRO-L-200W	PRO-L-250W
Solar Panel	Bifacial 160W (Compared to Mono-facial solar panel increases up to 23%)					Bifacial 320W	
LED Chip	Philips 5050						
Size	L106 x W80cm					L106 x W80cm (Single)	
Luminary Efficacy	200 Lm/W						
Power	50W	75W	100W	150W	200W	200W	250W
Lumens	10000 Lm	15000 Lm	20000 Lm	30000 Lm	40000 Lm	40000 Lm	50000 Lm
No. of Panels	1	1	1	1	1	2	2
No. of Floods	1	2	2	3	2	2	2
Optical Lens	140 x 70 Deg. Type III / Type II						
CCT	3000K - 6500K (Typical 6000K)						
Battery (Li-ion)	12V 72.8Ah	12V 83.2Ah	12V 104Ah	12V 135.2Ah	12V 270.4Ah	12V 270.4Ah	12V 540.8Ah
Charging Time	6 hrs	6 hrs	7.5 hrs	9 hrs	18 hrs	9 hrs	18 hrs
Discharging Time	5-7 days @ Dim mode (can be customised before delivery)						
Motion Sensor	Optional choice, 20-25m detective distance (Typically without motion sensor)						
IP Grade	IP65						
Pole Height	8-12 metres depending on requirements						
Weight	20kg	22kg	23kg	25kg	45kg	38kg (Single)	52kg (Single)
Wind Load	130mph (>45m/s)						
Controller	MPPT (6KV SPD)						
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.						
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.						

ASTRID

OLYMPIC COMBI

SOLAR LIGHTING

30w / 45w / 50w / 100w / 150w / 200w / 250w

FLOOD KIT OUTREACH

CAR PARKS

PARKS & RECREATIONAL

SPORTS PITCHES

NO POWER AREAS

FEATURES:

- 30w up to 250w
- 200lm/w
- 6000lm up to 50,000lm
- Available in 3/4/5/6K colour
- PTC Heating Function
- Bifacial Solar Panel
- Anti-Bird Spike - optional
- 50,000hrs/L80 Life
- Charging Time 7-10 Hours
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C



ASTRID OLYMPIC COMBI

SOLAR LIGHTING

30w / 45w / 50w / 100w / 150w / 200w / 250w

The Astrid Olympic Combi range is our most versatile Solar Street Light range packed with features. Producing up to 50,000lm (250W version), they outperform most of their competitors.



TECHNICAL & OPTIONS:

ASTRID OLYMPIC	COMBI-30W	COMBI-40W	COMBI-50W	COMBI-100W	COMBI-150W	COMBI-200W	COMBI-250W
Solar Panel	50W	75W	115W	160W	Bifacial 320W	Bifacial 480W	Bifacial 720W
LED Chip	Philips 5050						
Size	L66 x W45cm	L106 x W45cm	L106 x W65cm	L116 x W80cm	-	-	-
Power	30W	40W	50W	100W	150W	200W	250W
Lumens	6000 Lm	8000 Lm	10000 Lm	20000 Lm	30000 Lm	40000 Lm	50000 Lm
Battery (Li-ion)	12V 41.6Ah	12V 52Ah	12V 62.4Ah	12V 135.2Ah	12V 270.4Ah	12V 270.4Ah	12V 405.6Ah
Charging Time	7 hrs	8 hrs	7 hrs	9 hrs	10 hrs	7 hrs	7 hrs
EPA	3.5	6.2	9.1	12.3	24.6	34	51
IP Grade	IP65						
Weight	14kg	17kg	23kg	28kg	56kg	66kg	99kg
Controller	MPPT (6KV Surge protection)						
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.						
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.						

A large, modern building with a dark facade and horizontal slats is shown at night. A bright light source, likely the solar lighting product, is visible on the building's facade, casting a glow. In the foreground, a solar lighting fixture is shown, featuring a solar panel and a light source.

ASTRID

HIGHLITE SCL/SCL+

SOLAR LIGHTING

5w / 10w

SOLAR CAMERA KIT

CAR PARKS

PARKS & RECREATIONAL

NO POWER AREAS

FEATURES:

- 50w to 75w Solar Panel
- 200lm/w
- 4000lm up to 20,000lm
- Available in 3/4/5/6K colour
- Hybrid option
- PTC Heating Function
- Infrared Sensor
- Bifacial Solar Panel
- Anti-Bird Spike - optional
- Fully Rotatable Body
- Rotatable LED modules - 30°
- 50,000hrs/L80 Life
- Charging Time 4-10 Hours
- Run Time - Regulating output up to 43hrs
Full Output - up to 16 Hours.
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C

ASTRID

HIGHLITE SCL/SCL+ SOLAR LIGHTING

5w / 10w

SOLAR CAMERA KIT

CAR PARKS

PARKS & RECREATIONAL

NO POWER AREAS

The Astrid HighLite SCL / SCL+ range is our most versatile Solar Street Light range packed with features. Producing up to 2,000lm (75W version) at full output on a full charge and able to run for a up to 43 hours they outperform most of their competitors.

The Astrid HighLite SCL / SCL+ range comes with a built in PTC heater that will keep the fitting performing to its fullest in temperatures as low as -40°C.

The fully rotatable body and modules ensure the light is directed to exactly where it is needed.

The Astrid HighLite SCL Solar powered camera light kits are ideal for where security is needed. Cloud based viewing on your phone via the SIM card-based camera which are available with security light or without.

TECHNICAL & OPTIONS:

ASTRID HIGHLITE	SCL	SCL 5W	SCL+	SCL+10W
Solar Panel	50W	50W	75W	75W
LED Chip	-	Philips 5050	-	Philips 5050
Size	L66 x W45cm	L66 x W45cm	L106 x W45cm	L106 x W45cm
Power	-	5W	-	10W
Lumens	-	1000 Lm	-	2000 Lm
Battery (Li-ion)	12V 31.2Ah	12V 31.2Ah	12V 46.8Ah	12V 46.8Ah
Camera Watt	8W	8W	8W	8W
Standby Camera Watt	6W	6W	6W	6W
IP Grade	IP65			
Weight	15kg	16kg	19kg	20kg
4G Version	Available	Available	Available	Available
Controller	MPPT (6KV Surge protection)			
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.			
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.			

ASTRID

HIGHLITE SPT

SOLAR LIGHTING

20w / 25w / 30w / 35w

SOLAR POST TOP

CAR PARKS

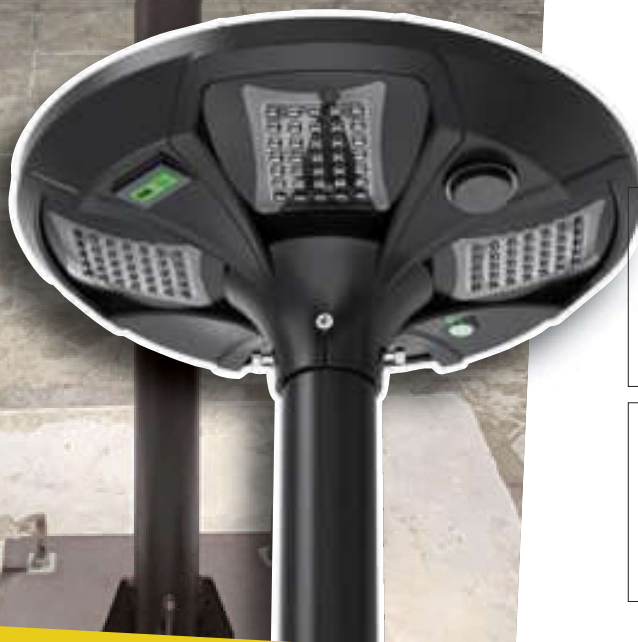
PARKS & RECREATIONAL

SPORTS PITCHES

NO POWER AREAS

FEATURES:

- 20w up to 35w
- 200lm/w
- 1500lm up to 4000lm
- Available in 3/4/5/6K colour
- Hybrid option
- PTC Heating Function
- Bifacial Solar Panel
- 50,000hrs/L80 Life
- Charging Time 4-10 Hours
- Working Time 45-50 Hours.
- IP65 Rated
- IK08 Impact Rated
- Operating Temperature -40° to +65°C



ASTRID

HIGHLITE SPT

SOLAR LIGHTING

20w / 25w / 30w / 35w

The Astrid HighLite SPT range is our most versatile Solar Post Top packed with features. Producing up to 4000lm (350W version) at full output on a full charge and able to run for a up to 45-50 hours they outperform most of their competitors.

The Astrid HighLite SPT range comes with a built in PTC heater that will keep the fitting performing to its fullest in temperatures as low as -40°C.



TECHNICAL & OPTIONS:

ASTRID HIGHLITE	SPT-20W	SPT-25W	SPT-30W	SPT-35W
Solar Panel	MONO 20W	MONO 25W	MONO 30W	MONO 35W
LED Chip	Philips 5050			
Post Top Size	Ø 560 x H210mm	Ø 560 x H210mm	Ø 560 x H210mm	Ø 560 x H210mm
Lumens	1500 Lm	2000 Lm	3000 Lm	4000 Lm
Battery	12V 120Wh	12V 144Wh	12V 180Wh	12V 240Wh
Working Time	45 - 50 Hrs			
IP Grade	IP65			
CCT	3000K - 6000K			
Controller	MPPT (6KV Surge protection)			
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.			
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.			

Standard Working Mode - (1st Hour 100% output, 2nd Hour 80% output, 3-4th Hour 60% output, then 25% output onwards. If at any point during this process detection is made output will return to 100%).
Sensor Dimming Mode - (1-2 Hours 100% output, 3-12 Hours Dimming = 20% output. If at any point during this process detection is made output will return to 100%). Can be customised.

ASTRID

PROSTAR SSL/CLAMP

SOLAR LIGHTING

10w / 20w / 30w / 40w / 50w

SOLAR SIGN LIGHT

WALL WASH

OUTDOOR SIGNAGE

SHOP FRONTS

UNDER CANOPY LIGHTING

NO POWER AREAS

FEATURES:

- 10w up to 50w
- 400lm up to 2000lm
- Available in 4/5/6K colour
- PTC Heating Function
- Bifacial Solar Panel
- Charging Time 3-4 hours
- Run Time 3-4 days.
- IP65 Rated
- Operating Temperature -40° to +65°C



ASTRID

PROSTAR SSL/CLAMP

SOLAR LIGHTING

10w / 20w / 30w / 40w / 50w

The Astrid SSL-GM range of Solar powered ground mount sign lights are ideal for low level signage and wall washing. The adjustable LED module can be directed to exactly where you need the light and can also be split and spike or bracket mounted separate from the Solar panel up to 6mtrs away using the splitter kit.



TECHNICAL & OPTIONS:

ASTRID PROSTAR	SSL-1	SSL-2	SSL-3	SSL-4	SSL-5
Solar Panel	12V 10W	12V 20W	12V 30W	12V 40W	12V 50W
LED Chip	Osram				
Size (mm)	L300 x H120 x D207	L600 x H120 x D207	L900 x H120 x D207	L1200 x H120 x D207	L1500 x H120 x D207
Lumens	400 Lm	800 Lm	1200 Lm	1600 Lm	2000 Lm
Battery (Li-ion)	7.4V 2.6Ah	7.4V 5.3Ah	7.4V 7.8Ah	7.4V 10.4Ah	7.4V 15.6Ah
Working Time	3 - 4 Days				
Charge Time	3 - 4 Hrs				
Beam Angle	90 Degrees				
Housing Material	Aluminium & PC				
IP Grade	IP65				
CCT	4000K - 6000K				
Controller	MPPT (6KV Surge protection)				
Smart Tech	ASW 3.0 Patent technology can allocate the power in different weathers or in different seasons, it can prolong illumination time, enhance customers experience.				
PTC	PTC Auto-heater system enabling the light to work below -40° in winter.				

Standard Working Mode - (1st Hour 100% output, 2nd Hour 80% output, 3-4th Hour 60% output, then 25% output onwards. If at any point during this process detection is made output will return to 100%).
Sensor Dimming Mode - (1-2 Hours 100% output, 3-12 Hours Dimming = 20% output. If at any point during this process detection is made output will return to 100%). Can be customised.

ASTRID

SSL-GM

SOLAR LIGHTING

13w / 26w

SOLAR SIGN LIGHT

WALL WASH

OUTDOOR SIGNAGE

SHOP FRONTS

UNDER CANOPY LIGHTING

NO POWER AREAS

FEATURES:

- 13w or 26w Panel
- 1000lm up to 2000lm
- Available in 4/5/6K colour
- Run Time 3-4 days.
- IP65 Rated
- Operating Temperature -20° to +45°C



ASTRID

SSL-GM

SOLAR LIGHTING

13w / 26w

The Astrid SSL-GM range of Solar powered ground mount sign lights are ideal for low level signage and wall washing. The adjustable LED module can be directed to exactly where you need the light and can also be split and spike or bracket mounted separate from the Solar panel up to 6mtrs away using the splitter kit.



TECHNICAL & OPTIONS:

ASTRID	SSL-GM-10	SSL-GM-20
Solar Panel	12V 13W	12V 26W
Size (mm)	L350 x W190 x H550	L650 x W190 x H550
Lumens	1000 Lm	2000 Lm
Battery (Li-ion)	7.4V 2.6Ah	7.4V 5.3Ah
Working Time	3 - 4 Days	
Working Mode	4H100% 5H to Dawn 25%	4H100% Rest 25%
Working Temperature	-20°C to +45°C	
Beam Angle	80 x 50	
Housing Material	Aluminium & PC	
Sign Board Size (mm)	W3000 x H2000	W6000 x H3000
IP Grade	IP65	
CCT	4000K - 6000K	

ASTRID

CURZON

SOLAR LED BOLLARD

8w

SOLAR LED BOLLARD

WALKWAYS

CAMP SITES

PROMENADES

FEATURES:

- Root Mount, 900mm & 600mm Base Mount, Wall Mount.
- IK10++ Impact rated
- IP68 Ingress protection rated
- Marine class weather & rust resistant die-cast body
- 8W Mono crystal solar panel
- 360-degree, anti-glare, 1.75w 350Lm Output
- Dual CCT switch for 3000K or 6000K colour rendering
- Anti-tamper fixings
- 4 mtr detection range motion sensor
- 25% Output standby mode
- Charging time 8 - 10hrs, Even in dull conditions
- 1 Working time up to 40 - 50hrs on full charge
- 5 Year Warranty



ASTRID

CURZON

SOLAR LED BOLLARD

8w

The Curzon is an IK10++ IP68 vandal resistant range of high-quality LED solar bollard lighting that offer the same performance as a conventional bollard. With extra long battery life, 360° light distribution and a 4mtr sensor detection range. Programmed to suit the application with different output settings and times from 25% to 100%.



TECHNICAL & OPTIONS:

ASTRID CURZON	CURZON-1-G	CURZON-1	CURZON-2	CURZON-WM
Solar Panel	8W Mono Panel			
Size (mm)	D260 x W260 x H1200	D260 x W260 x H900	D260 x W260 x H600	D260 x W260 x H600
Lumens	350 Lm			
Battery (Li-ion)	7.4V 10.4Ah			
Working Time	40 - 50 Hrs			
Charge Time	8 - 10 Hrs			
IP Grade	IP65			
CCT	4000K - 6000K			

GECKO

FX SOLAR KIT

LED SOLAR POWERED
BULKHEAD WITH FLEXIBLE
PANEL KIT

SOLAR LED WALKWAYS CAR PARKS

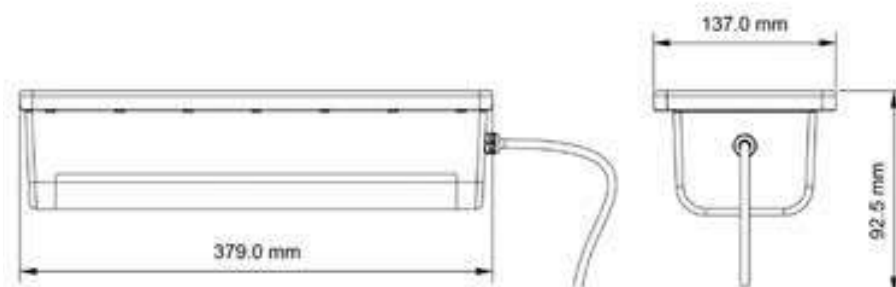
FEATURES:

- Dual CCT (3000K/5000K)
- IK10 Vandal-proof
- 3 Working Modes
- Built-in Switch 12H/24H Options
- Rotatable Bracket Options
- Hanging Kit Option
- Motion Sensor Option



GECKO FX SOLAR KIT

LED SOLAR POWERED
BULKHEAD WITH FLEXIBLE
PANEL KIT



TECHNICAL & OPTIONS:

GECKO	FX SOLAR KIT
Rated Wattage	5W/pc (Total 20W)
Quantity	4 pcs
Lumens	1000 lm/pc (Total 4000 lm)
LED Efficacy	200 lm/w
Colour Temperature CCT	3000K / 4000K / 5000K / 6000K
Beam Angle	120°
CRI (Ra)	>70
Reported LM80	>50,000 H
Flexible Solar Panel	
Solar Panel	18V/50W*4 (Total 200W)
Photovoltaic Panel	Flexible Mono-Crystalline
Li-on Battery	24V/52AH (1248WH)
Battery Replaceable	Yes
Charging Time	4-6 hrs
Run Time (Full Power)	5-7 Rainy Days
Environment	
IP Rating	IP65
Impact Rating	IK08
Operating Temperature	-20°C to 60°C
Product Material & Working Mode	
Working Mode	1hr @ 100%, then 10% standby



Why Choose Morgan Hope Solar?

Our Astrid Solar range has been developed to provide dependable lighting where mains power is unavailable, impractical or costly to install.

Designed for the UK climate, our solar lighting combines high-performance LED technology with intelligent battery management and efficient bifacial solar panels to deliver reliable illumination throughout the year.

Whether you're lighting a rural road, public car park, industrial estate, pathway or recreational area, Morgan Hope offers solutions that reduce installation costs while eliminating ongoing electricity consumption.

- ✓ No trenching or mains power required
- ✓ Reduced installation costs
- ✓ Zero electricity running costs
- ✓ High efficacy up to 200 lm/W
- ✓ Intelligent battery management
- ✓ Hybrid options available
- ✓ IP65 & IK08 rated
- ✓ Designed for year-round UK operation
- ✓ Commercial & public sector solutions



35+

Years of
Lighting Expertise



01704 512 000 | info@morganhope.com
www.morganhope.com

Trusted Solar Lighting Solutions

Every project is different.

Our experienced team can recommend the correct solar lighting solution based on installation location, lighting levels, operating profile and environmental conditions.

Whether you require a single fitting or a complete lighting scheme, Morgan Hope can provide technical advice and product recommendations to suit your project.



Public Parks



Car Parks



Industrial Estates



Sports Facilities



Rural Roads



Footpaths



Schools



Commercial Premises



Construction Sites

Speak to our Solar Lighting Specialists

☎ 01704 512 000
✉ info@morganhope.com
🌐 www.morganhope.com



35+

Years of
Lighting Expertise



01704 512 000 | info@morganhope.com
www.morganhope.com



Head Office

Morgan Hope Industries Ltd
Carpa House, Unit 1
Crowland Street, Southport,
PR9 7SJ

T. 01704 512 000
F. 01704 542 632
E. info@morganhope.com
www.morganhope.com

Scan code to
visit our website

