


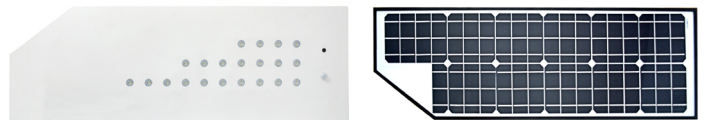
GSL900 solar LED street light

Application

- Country and local roads
- Factory roads
- Park roads
- Car park roads
- Residential roads
- Villas and gardens
- Car parking

Competitive advantages

- Hybrid-Solar LED Light powered by solar panel, battery and grid connected
- Brand of LED chip:  BRIDGELUX
- Luminous efficiency: 130 lm/W
- Safety of solar battery: Grade A Lithium iron phosphate
- Lifespan of solar battery: 8 years
- Solar controller: Intelligent management battery electricity
- 960p camera/long distance monitoring / WiFi or SIM card mode



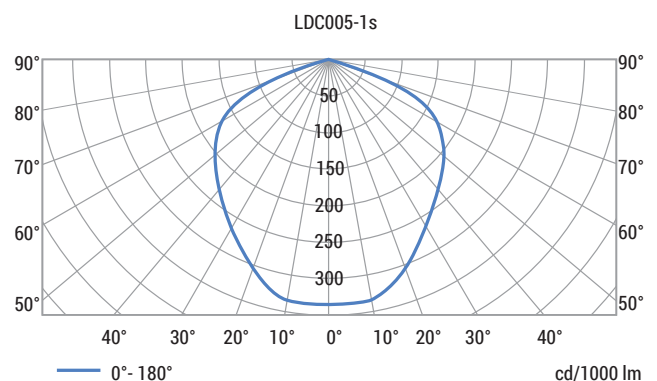
General performance

- Solar panel: Mono-crystalline silicon
- Dimming: PIR intelligent control
- Beam angle: 120°
- IP protection: IP65
- Operating system: IOS, Android
- High definition video: 960 pix
- TF card capacity: 32 GB

Warranty and Certificates



Light distribution curve



TECHNICAL PARAMETERS	GSL900 9W	GSL900 15W	GSL900 21W	GSL900 30W
Type	Hybrid-Solar LED Light powered by solar panel, battery and grid connected			
Input voltage and frequency	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz
Total power of LED chips	9 W	15 W	21 W	30 W
Brand of LED chips	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Luminous efficiency (lm/W at 350 mA)	130	130	130	130
Total luminous flux (lm at 350 mA)	1100	1950	2730	3900
Light efficiency of luminaire (lm/W)	105	105	105	105
Beam angle	120°	120°	120°	120°
Correlated color temperature	4000 K	4000 K	4000 K	4000 K
Color Rendering Index	75 Ra	75 Ra	75 Ra	75 Ra
Period of operational hours	≥50.000 h	≥50.000 h	≥50.000 h	≥50.000 h
Type of solar battery	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Specification of solar battery	12.8 V 15 Ah	12.8 V 21 Ah	12.8 V 24 Ah	12.8 V 30 Ah
Cycle life of battery	≥3000 cycles	≥3000 cycles	≥3000 cycles	≥3000 cycles
Brightness of luminaire	20% (PIR not activated) / 100% (PIR activated)			
Passive infrared detector (PIR)	Yes	Yes	Yes	Yes
PIR induction angle	120°	120°	120°	120°
Type of solar panel	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon
Power of solar panel	18 V 30 Wp	18 V 40 Wp	18 V 50 Wp	18 V 60 Wp
Camera	/	/	/	/
Working temperature	-20~+55°C	-20~+55°C	-20~+55°C	-20~+55°C
IP protection	IP65	IP65	IP65	IP65
Dimensions	850*356*50 mm	995*356*50 mm	1287*356*50 mm	1090*356*50 mm
Weight	10.5 kg	12.5 kg	15.0 kg	18.0 kg
Installation mode of tilt adaptor	Mode 1	Mode 1	Mode 1	Mode 2
Installation pipe size (mm)	ø60	ø60	ø60	ø60
Recommended installation height	2.5-3.5 m	3.5-4.5 m	4.5-6.0 m	6.0-7.0 m

TECHNICAL PARAMETERS	GSL900H 9W	GSL900H 15W	GSL900H 21W	GSL900H 30W
Type	Hybrid-Solar LED Light powered by solar panel, battery and grid connected			
Input voltage and frequency	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz
Total power of LED chips	9 W	15 W	21 W	30 W
Brand of LED chips	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Luminous efficiency (lm/W at 350 mA)	130	130	130	130
Total luminous flux (lm at 350 mA)	1100	1950	2730	3900
Light efficiency of luminaire (lm/W)	105	105	105	105
Beam angle	120°	120°	120°	120°
Correlated color temperature	4000 K	4000 K	4000 K	4000 K
Color Rendering Index	75 Ra	75 Ra	75 Ra	75 Ra
Period of operational hours	≥50.000 h	≥50.000 h	≥50.000 h	≥50.000 h
Type of solar battery	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Specification of solar battery	12.8 V 15 Ah	12.8 V 21 Ah	12.8 V 24 Ah	12.8 V 30 Ah
Cycle life of battery	≥3000 cycles	≥3000 cycles	≥3000 cycles	≥3000 cycles
Brightness of luminaire	20% (PIR not activated) / 100% (PIR activated)			
Passive infrared detector (PIR)	Yes	Yes	Yes	Yes
PIR induction angle	120°	120°	120°	120°
Type of integrated solar panel	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon
Power of solar panel	18 V 30 Wp	18 V 40 Wp	18 V 50 Wp	18 V 60 Wp
Camera	960 P	960 P	960 P	960 P
High definition video	960 pix	960 pix	960 pix	960 pix
TF card capacity	32 GB	32 GB	32 GB	32 GB
Operation time of camera	24/7	24/7	24/7	24/7
Stored time of data	≥15 days	≥15 days	≥15 days	≥15 days
Angle of camera lens	90°	90°	90°	90°
Video format	AVI	AVI	AVI	AVI
Communication mode for monitoring	WiFi / Internet / GPRS / CDMA			
Monitoring mode	Remote online monitor / AP mode			
Operating control mode	APP of mobile phone / computer			
Operating system of mobile	IOS system / Android system			
Working temperature	-15~+55°C	-15~+55°C	-15~+55°C	-15~+55°C
IP protection	IP65	IP65	IP65	IP65
Dimensions	850*356*50 mm	995*356*50 mm	1287*356*50 mm	1090*356*50 mm
Weight	10.5 kg	12.5 kg	15.0 kg	18.0 kg
Installation mode of tilt adaptor	Mode 1	Mode 1	Mode 1	Mode 2
Installation pipe size (mm)	ø60	ø60	ø60	ø60
Recommended installation height	2.5-3.5 m	3.5-4.5 m	4.5-6.0 m	6.0-7.0 m

TECHNICAL PARAMETERS	GSL900S 9W	GSL900S 15W	GSL900S 21W	GSL900S 30W
Type	Hybrid-Solar LED Light powered by solar panel, battery and grid connected			
Input voltage and frequency	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz	90-305 V AC 50-60 Hz
Total power of LED chips	9 W	15 W	21 W	30 W
Brand of LED chips	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Luminous efficiency (lm/W at 350 mA)	130	130	130	130
Total luminous flux (lm at 350 mA)	1100	1950	2730	3900
Light efficiency of luminaire (lm/W)	105	105	105	105
Beam angle	120°	120°	120°	120°
Correlated color temperature	4000 K	4000 K	4000 K	4000 K
Color Rendering Index	75 Ra	75 Ra	75 Ra	75 Ra
Period of operational hours	≥50.000 h	≥50.000 h	≥50.000 h	≥50.000 h
Type of solar battery	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Specification of solar battery	12.8 V 15 Ah	12.8 V 21 Ah	12.8 V 24 Ah	12.8 V 30 Ah
Cycle life of battery	≥3000 cycles	≥3000 cycles	≥3000 cycles	≥3000 cycles
Brightness of luminaire	20% (PIR not activated) / 100% (PIR activated)			
Passive infrared detector (PIR)	Yes	Yes	Yes	Yes
PIR induction angle	120°	120°	120°	120°
Type of integrated solar panel	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon
Power of solar panel	18 V 30 Wp	18 V 40 Wp	18 V 50 Wp	18 V 60 Wp
Camera	960 P	960 P	960 P	960 P
High definition video	960 pix	960 pix	960 pix	960 pix
TF card capacity	32 GB	32 GB	32 GB	32 GB
Operation time of camera	24/7	24/7	24/7	24/7
Stored time of data	≥15 days	≥15 days	≥15 days	≥15 days
Angle of camera lens	90°	90°	90°	90°
Video format	AVI	AVI	AVI	AVI
Communication mode for monitoring	3G / 4G (GPRS / CDMA)			
Monitoring mode	Remote online monitor			
Operating control mode	APP of mobile phone / computer			
Operating system of mobile	IOS system / Android system			
Working temperature	-15~+55°C	-15~+55°C	-15~+55°C	-15~+55°C
IP protection	IP65	IP65	IP65	IP65
Dimensions	850*356*50 mm	995*356*50 mm	1287*356*50 mm	1090*356*50 mm
Weight	10.5 kg	12.5 kg	15.0 kg	18.0 kg
Installation mode of tilt adaptor	Mode 1	Mode 1	Mode 1	Mode 2
Installation pipe size (mm)	ø60	ø60	ø60	ø60
Recommended installation height	2.5-3.5 m	3.5-4.5 m	4.5-6.0 m	6.0-7.0 m