

LEADSUN[®]

"Bright Ideas For An Even Brighter Future."

FREEDOM Classic

LED Solar Street Light

LEADSUN FREEDOM Classic LED street light designed for commercial and industrial applications fits all LEADSUN solar power systems. Combined with the unique full cutoff structure, this series utilize self-designed lens with high precision and high-efficiency LED chips to deliver more effective and secure lighting effects as it can eliminate glare interference to ensure security of pedestrian and vehicle. FREEDOM Classic LED street light becomes a popular choice for users.

- **Premium outdoor LED**
- **LED luminous efficacy 200lm/W to 210lm/W, and 160lm/W to 180lm/W for the finished product.**
- **Cutoff design, waterproof & excellent heat dissipation**
- **5 Years warranty**

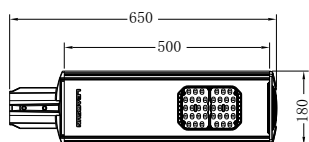


! IDA Certification requires 3000K CCT or lower and for fixture to be fixed mount at 90°

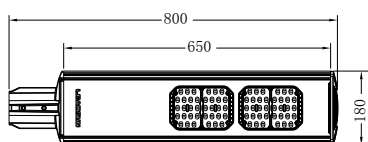
Freedom Classic Solar Street Light Specifications

Model	GRS60AC	GRS120AC	GRS180AC
Physical Parameters			
LED Chips	LUXEON 5050	LUXEON 5050	LUXEON 5050
Qty. of LED Chips	36	2×36	3×36
Input Voltage (V)	100~240VAC 50~60Hz	100~240VAC 50~60Hz	100~240VAC 50~60Hz
Power Conversion Efficiency (%)	89.5%	91.5%	92%
Operating Temperature	-30°C~45°C	-30°C~45°C	-30°C~45°C
Net Weight (kg)	3.5	4.5	6
Dimension of Unit (mm)	650×180×89	800×180×89	1050×180×89
Light Parameters			
Light Output (W)	40~60	80~120	150~180
Light Distribution	T2/T3	T2/T3	T2/T3
Visual Angle	140°×70°	140°×70°	140°×70°
Color Tempereare (K)	4000/5000K	4000/5000K	4000/5000K
Typical Luminous Flux (lm)	6600~9900	13200~19200	24000~27900
Packing Parameters			
Dimension of Carton (mm)*2set	680×210×210	830×210×210	1080×210×210
Gross Weight of Package (kg)	9	11	14
Mounting Recommendation			
EPA (Effective Projected Area) (ft ²)	0.57	0.70	0.83
APA (Acutal Projected Area) (ft ²)	0.47	0.58	0.7
Wind Load Rate (mph)	130	130	130
Recommended Installation Height (m)	7~10	8~12	9~15
Recommended Installation Distance (m)	30~45	35~45	40~60
Recommended Diameter of arm (mm)	60	60	60

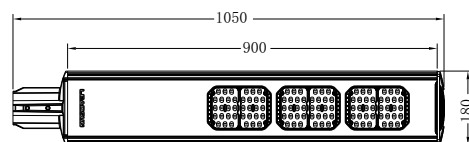
Physical Dimensions (mm)



GRS60AC



GRS120AC



GRS180AC

- * The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- * The torque setting for any bolts or screws used to secure the luminaire to the bracket is 14 N/m.
- * Use for outdoors only!