

LEADSUN[®]

"Bright Ideas For An Even Brighter Future."

FREEDOM Lite Series

Battery Back Up LED Street Light

FREEDOM Lite series battery back up LED street light is specially designed against power outages challenge for the blackout prone area. It works at full power with electricity and automatically switches to use back up power that will last illumination for maximum 10 hours (saving mode) during power cut at night to ensure security of personal and property. By adopting the best material and unique design, FREEDOM Lite series offers a practical solution to meet not only the critical requirements for outdoor lighting but also for high ROI.



Superior
Outdoor LED



Efficient
Controller



LiFePO4 Li-ion
Battery



Robust
Structure



IP66
Waterproof

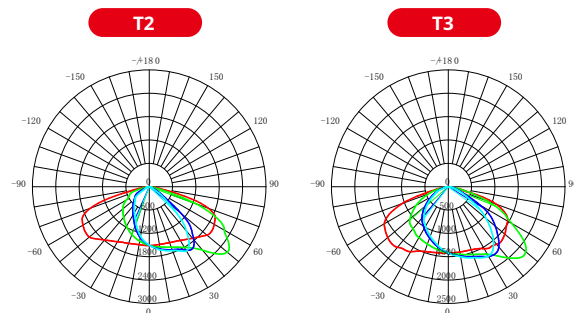


FREEDOM Lite series Specifications

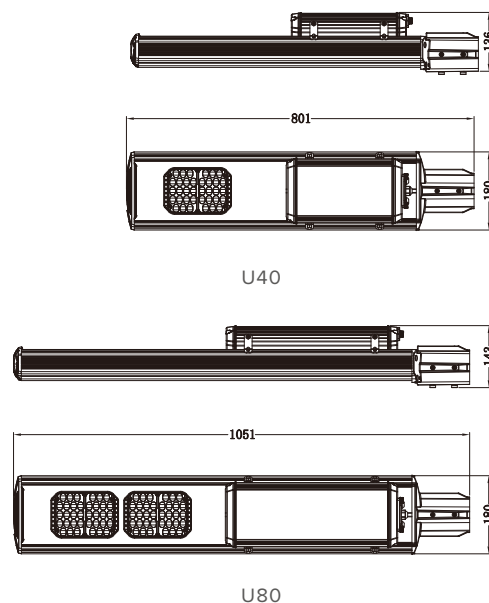
Model No.	U40	U80
Light Parameters		
Light Output (W)	40	80
Typical Luminous Flux (lm)	7200	14400
Color Temperature (K)	3000/4000/5000	3000/4000/5000
Optional Distribution	T2/T3	T2/T3
Min. Working Time by back up battery (Hours)	18	18
Light Photosensitivity (lx)	60~90	60~90
Physical Parameters		
Liuthium Battery Capacity (Wh)	205	410
Qty. of LED Chips	36	2×36
Dimension of Product (mm)	800×180×136	1050×180×136
Net Weight (kg)	10	13.5
Storage Temperature	-20°C~45°C	-20°C~45°C
Packing Parameters		
Dimension of Carton (mm)	860×190×240	1110×190×240
Gross Weight of Package (kg)	12	15.5
Environment Requirement		
Charge Temperature	0°C~51°C	0°C~51°C
Discharge Temperature	-20°C~60°C	-20°C~60°C
Storage Temperature(<3 months)	-20°C~45°C	-20°C~45°C
Storage Temperature(3~12 months)	-20°C~25°C	-20°C~25°C
Mounting Recommendation		
EPA (Effective Projected Area) (ft ²)	0.70	0.83
APA (Actual Projected Area) (ft ²)	0.58	0.70
Wind Load Rate (mph)	130	130
Installation Height (m)	6~8	8~12
Installation Distance (m)	25~35	30~45
Top of Pole or Tenon OD (mm)	60	60

Bat Wing Light Distribution

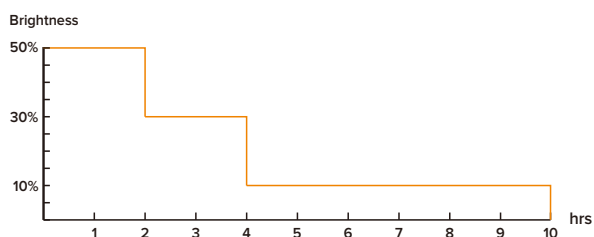
The new lens design improves the lighting effect and lighting uniformity, while also increasing light coverage.



Physical Dimensions (mm)



Standard Working Mode:



- * 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.