

FREEDOM Lite series

Battery Back Up LED Street Light (On-grid)

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.

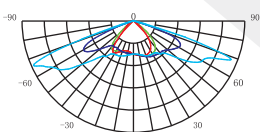
Features and Benefits

- CREE high power LED that initial light efficiency is above 180lm/W and the fixture complete luminous efficiency achieves 150lm/W.
- Full cutoff design to eliminate glare interference and meet regulations of outdoor lighting.
- Well-known brand of AC power supply unit to ensure high efficiency and stable performance.
- Large volume LiFePO4 battery to last illumination for maximum 10 hours (saving mode).
- Waterproof with excellent heat dissipation.
- Three years warranty.

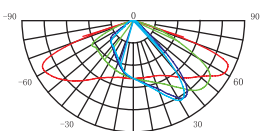
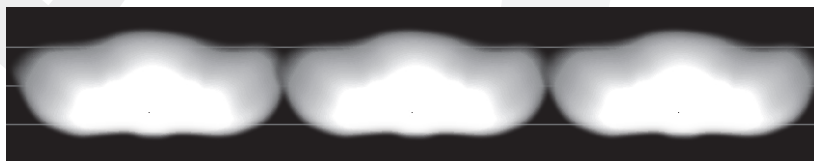
Applications:

Street, public square, industrial park, school, car park, security and other emergency lighting.

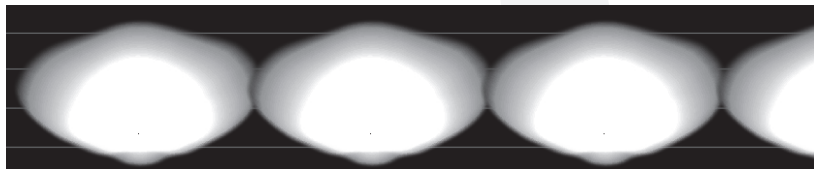
Light Distribution



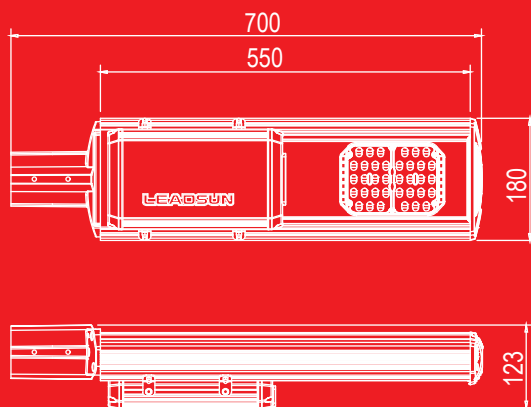
Type 2 FWHM 140° x 70°



Type 3 FWHM 140° x 70°



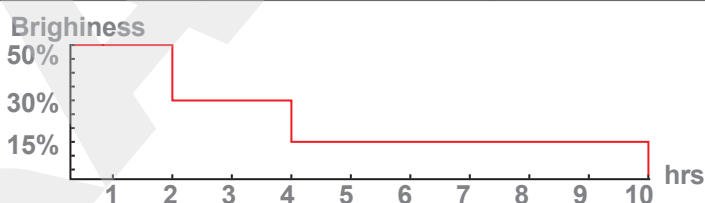
Physical Dimensions (mm)



U30/U40/U50

Model No	U30	U40	U50
Physical Parameters			
Max.Power of Output(W)	30	40	50
Lithium Battery Capacity (WH)	154	230	230
Qty. of LED Chips	36	36	36
Typical Luminous Flux (lm)	5250	6800	8250
Optional Light Distribution	T2/T3	T2/T3	T2/T3
Color Temperature (K)	5000	5000	5000
Input Voltage	15VDC, 90~305VAC, 40/60Hz	15VDC, 90~305VAC, 40/60Hz	15VDC, 90~305VAC, 40/60Hz
Operating Temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃
Net Weight of Product (Kg)	5.5	6.2	6.2
Dimension of Product (mm)	700×180×123	700×180×123	700×180×123

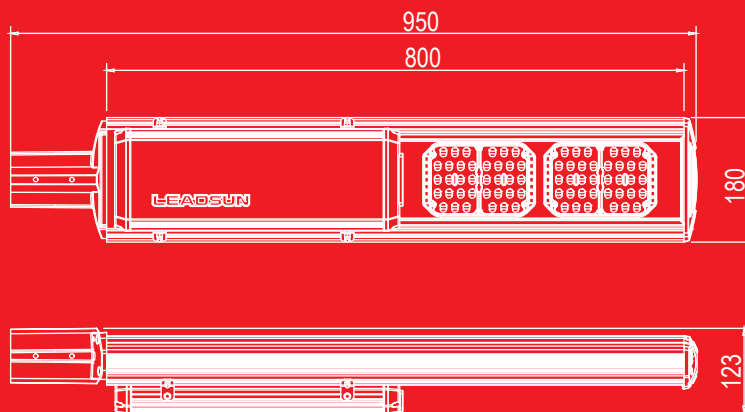
Operating Mode/Working Time
(Powered by Back Up Battery)



Packing Parameters			
Dimension of Carton (mm)	755×170×230	755×170×230	755×170×230
Gross Weight of Package (Kg)	7.5	8.5	8.5

Mounting Recommendation			
EPA(Effective Projected Area) (ft2)	0.61	0.61	0.61
APA (Actual Projected Area) (ft2)	0.51	0.51	0.51
Wind Load Rate (mph)	130	130	130
Recommended Installation Height (M)	4~7	5~8	6~8
Recommended Installation Distance (M)	15~25	20~30	25~35
Maximum Bracket Inner Diameter (mm)	60	60	60
Recommended Diameter of Arm (mm)	60	60	60

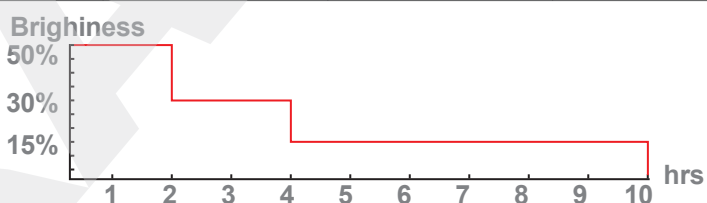
Physical Dimensions (mm)



U60/U80/U100/120

Model No	U60	U80	U100	U120
Physical Parameters				
Max.Power of Output(W)	60	80	100	120
Lithium Battery Capacity (WH)	308	308	460	460
Qty. of LED Chips	36	2×36	2×36	2×36
Typical Luminous Flux (lm)	8250	13200	15000	18000
Optional Light Distribution	T2/T3	T2/T3	T2/T3	T2/T3
Color Temperature (K)	5000	5000	5000	5000
Input Voltage	30VDC, 90~305VAC, 40/60Hz	30VDC, 90~305VAC, 40/60Hz	30VDC, 90~305VAC, 40/60Hz	30VDC, 90~305VAC, 40/60Hz
Operating Temperature	-20℃~60℃	-20℃~60℃	-20℃~60℃	-20℃~60℃
Net Weight of Product (Kg)	8.8	8.8	10.5	10.5
Dimension of Product (mm)	950×180×123	950×180×123	950×180×123	950×180×123

Operating Mode/Working Time
(Powered by Back Up Battery)



Packing Parameters				
Dimension of Carton (mm)	1005×170×230	1005×170×230	1005×170×230	1005×170×230
Gross Weight of Package (Kg)	10.8	10.8	12.5	12.5
Mounting Recommendation				
EPA(Effective Projected Area) (ft2)	0.83	0.83	0.83	0.83
APA (Actual Projected Area) (ft2)	0.69	0.69	0.69	0.69
Wind Load Rate (mph)	130	130	130	130
Recommended Installation Height (M)	7~10	8~12	8~12	8~12
Recommended Installation Distance (M)	25~40	30~45	30~45	30~45
Maximum Bracket Inner Diameter (mm)	60	60	60	60
Recommended Diameter of Arm (mm)	60	60	60	60

LEADSUN[®]

“Bright Ideas For An Even Brighter Future.”

FREEDOM Lite

series

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