

SOLAR OUTDOOR LIGHT - LIF1



Clean, Renewable energy, No Electricity Bill coming, Reasonable owning cost,
Durability of devices protects our earth indeed.

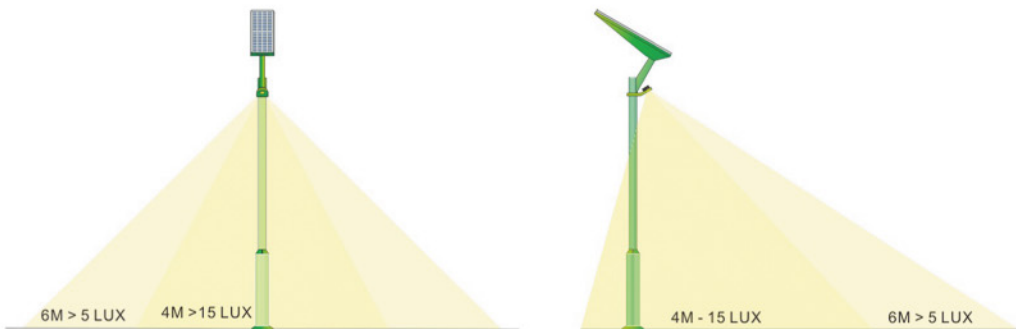
LIF1 Solar outdoor lighting lives up to environment protection purpose.

Modernized design is good for commuting with surrounding landscape.

Also featuring on easy installation, durable lifetime and free maintenance for your GREEN LIFE .

The latest technology innovation of Lithium-ion Hybrid / EV battery had adopted for better safety, lighter of weight, more charging cycles than the traditional batteries. The Li-Fe battery is expected to use for 6~10 years which are highly decrease the operation fee and maintainance.

The **LIF1 Series** is a high reliability, stand-alone lighting system. The luminaries, solar panels, rugged enclosure, panel mounting platform and mounting bracket provide a totally integrated, self-contained lighting source.



Coverage Area for 10W LED



Coverage Area for 15W LED



PRODUCT FEATURES

- Minimum light-hazard lighting.
- PV setting angle available from 5°~50°.
- Ultra-light-weight design for easy transportation and installation.
- Die-casting aluminium alloy pole with coating, corrosion resistant, no rusty.
- High efficient LED light array, life span is more than 30,000hr which could be 12 years.
- Built-in Lithium-ion Hybrid/EV batteries , Expected to be used more than 8 years.
- "System optimization technology" for elaborating the best system performance.

APPLICATIONS

- Street & roadway lighting
- Parking lots
- Security perimeter lighting
- Gates, entrances, boat ramps
- Remote area lighting
- Jogging & bike path

KESC LIF1



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ELECTRICAL SPECIFICATIONS

MODELS	LIF1-04403015E	LIF1-04403010E	LIF1-03003015E	LIF1-03003010E	LIF1-03002015E	LIF1-03002010E
PV W	44	44	30	30	30	30
Battery Capacity	12V / 30 AH	12V / 30 AH	12V / 30 AH	12V / 30 AH	12V / 20 AH	12V / 20 AH
LED Lamp	15W	10W	15W	10W	15W	10W
LED Rated LUM	900 Lm	600 Lm	900 Lm	600 Lm	900 Lm	600 Lm
Illuminationφ1m	45 Lux	30 Lux	45 Lux	30 Lux	45 Lux	30 Lux
Illuminationφ4m	25 Lux	15 Lux	25 Lux	15 Lux	25 Lux	15 Lux
Charger Controller	PWM					
Lighting Controller	Multi-Mode Lighting Control Selection					
Protection	LVD					
Battery Type	LiFePO4					
Battery Life	> 2000 Cycle *After Lighting -up 30,000 hrs, LED luminaries still have 70% efficiency.					
Lighter Lifetime	> 30,000 hrs *After 20,000 cycles using of battery still have 70% reservoirs.					

MECHANICAL SPECIFICATIONS

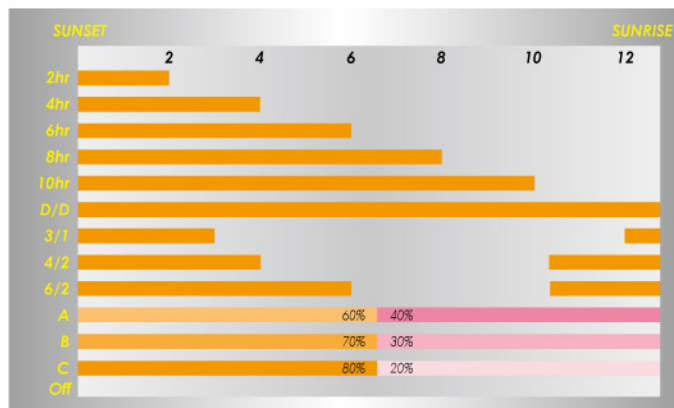
MODELS	LIF1-04403015E	LIF1-04403010E	LIF1-03003015E	LIF1-03003010E	LIF1-03002015E	LIF1-03002010E
PV adjustable tilting angle	5-50° (5°, 20°, 35°, 50°)					
Wind durability	40m/sec					
Light pole material	SGP with powder paint coating					
Distance from light to ground	300 cm					
Total height	425 cm on PV module 50°					
Net weight (KG)	62 ±5%	62 ±5%	60.5 ±5%	60.5 ±5%	58 ±5%	58 ±5%
Gross weight (KG)	70 ±5%	70 ±5%	68.5 ±5%	68.5 ±5%	66 ±5%	66 ±5%
Packing size	290*35*40 cm					
20' Container loading	108 EA					
40' Container loading	216 EA					
Warranty	2 Year					

MODELS & FUNCTIONS

Model	ESH 2.5		ESH 3.5		ESH 4.5		ESH 5.5	
	RUNTIME	RESERVE	RUNTIME	RESERVE	RUNTIME	RESERVE	RUNTIME	RESERVE
	LIF1-04403015E	4.0	7.0	8.0	3.5	10	3.0	D/D
LIF1-04403010E	8.0	5.5	D/D	3.0	D/D	3.0	D/D	3.0
LIF1-03003015E	4.0	7.0	4.0	7.0	6.0	4.5	8.0	3.5
LIF1-03003010E	6.0	7.0	8.0	5.5	10.0	4.0	D/D	3.0
LIF1-03002015E	4.0	4.5	4.0	4.5	6.0	3.0	8.0	2.0
LIF1-03002010E	6.0	4.5	8.0	3.5	10.0	2.5	D/D	2.0

● D/D is abbreviated from Dusk / Down ; ESH is abbreviated from Equivalent Sunshine Hour.
 ● The system should be selected from the worse month of ESH in the year, contact your salesperson to determine the most cost effective solution for your location.

LIGHTING CONTROL OPTIONS



LIF1-03003010E In ESH=3hr

Light times	2hr	4hr	6hr	8hr	10hr	D/D	3/1	4/2	6/2	A	B	C
OUTPUT												
Illumination(lm)	800	800	800	720	580	450	800	800	720	530+370	620+280	700+190
Power(watt)	10	10	10	9	7.2	5.5	10wx3h... ...10wx1h	10wx4h... ...10wx2h	9wx6h... ...9wx2h	6.6wx6.5h+ 4.4wx6.5h	7.7wx6.5h+ 3.3wx6.5h	8.9wx6.5h+ 2.2wx6.5h

LIF1-04403015E In ESH=4hr

Light times	2hr	4hr	6hr	8hr	10hr	D/D	3/1	4/2	6/2	A	B	C
OUTPUT												
Illumination(lm)	1050	1050	1050	1050	980	825	1050	1050	1050	910+660	1050+520	1050+350
Power(watt)	15	15	15	15	14	11	15wx3h... ...15wx1h	15wx4h... ...15wx2h	15wx4h... ...15wx2h	13wx6.5h+ 8.7wx6.5h	15wx6.5h+ 6.5wx6.5h	15wx6.5h+ 4.3wx6.5h

KESC LIF1

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