LARVIK SOLAR

RENEWABLE-OUTDOOR AREA LIGHTING 15-60W

3 YEARS 2000 CYCLES L70

High efficiency sun-powered floodlights for outdoor.

- ►Up to 3 days operation with fully charged battery
- ►3 CCTs available in 6 different intensities
- ►IP67. Specially treated for rough outdoor conditions
- ►Programmable via easy remote control
- ►High-efficiency LED: over 150 lm/W
- ►Remote solar panel. Up to 10 mtrs

LED IT COMPANY LIMITED
Room A, 21/F, Gaylord Commercial building,
114 -118 Lochkart Road, Wanchai, Hong Kong
www.leditinternational.com

LED IT® INTERNATIONAL

FEATURES & BENEFITS

- Truly built for outdoors: water-ingression IP67 and special treatments to keep it like new during its long lifetime
- Compact system
- Choose between 15W to 60W (from 1650 to 7200 lumens)
- High-efficiency LED 150lm/W and system efficiency up to 130 lm/W
- Asymmetric light distribution reduces the number of luminaires needed and increases uniformity
- Independent, remote, solar panel
- Long distance installation: up to 10 mtrs using extension
- Programmable via remote control
- Easy connection
- Operating Ambient Temperature: -20 °C ~ +65 °C

NORMS & CERTIFICATES

- EN 55015:2013+A1:2015
- EN 61547:2009
- IEC 60598-1:2014
- IEC 62262
- IEC 62321-3-1:2013
- IEC 62321-5:2013
- IEC 62321-4:2013
- IEC 62321-6:2015
- IEC 62321-7-1:2015
- IEC 62321:2008 ANNEX C

LIFETIME & WARRANTY

- Warranty :

3 years for lifepo4 battery
2 years for NCM battery

- Lifetime :

50.000 hrs for LED luminaires
2000 cycles for lifepo4 battery product
1000 cycles for NCM battery product

TECHNICAL PERFORMANCES

Code	Designation	LED power (W)	Lumen output (lm)	Effi-ciency (lm/W)	Color Temp (K)	CRI	Beam Angle (°)	Housing	Net Weight (Kg/ lb)
NC	LARVIK SOLAR 15W 140x70deg 6000K MCN IP67	15	1650	110	5700-6300	>83	140x70	Black/Grey	7,5/16,5
NC	LARVIK SOLAR 15W 140x70deg 4000K MCN IP67	15	1650	110	3700-4300	>83	140x70	Black/Grey	7,5/16,5
NC	LARVIK SOLAR 20W 140x70deg 6000K MCN IP67	20	2200	110	5700-6300	>83	140x70	Black/Grey	7,75/17,1
NC	LARVIK SOLAR 20W 140x70deg 4000K MCN IP67	20	2200	110	3700-4300	>83	140x70	Black/Grey	7,75/17,1
NC	LARVIK SOLAR 30W 140x70deg 6000K MCN IP67	30	3800	127	5700-6300	>83	140x70	Black/Grey	8/17,6
NC	LARVIK SOLAR 30W 140x70deg 4000K MCN IP67	30	3800	127	3700-4300	>83	140x70	Black/Grey	8/17,6
NC	LARVIK SOLAR 40W 140x70deg 6000K MCN IP67	40	5000	125	5700-6300	>83	140x70	Black/Grey	8,25/18,2
NC	LARVIK SOLAR 40W 140x70deg 4000K MCN IP67	40	5000	125	3700-4300	>83	140x70	Black/Grey	8,25/18,2
NC	LARVIK SOLAR 50W 140x70deg 6000K MCN IP67	50	6500	130	5700-6300	>83	140x70	Black/Grey	8,5/18,7
NC	LARVIK SOLAR 50W 140x70deg 4000K MCN IP67	50	6500	130	3700-4300	>83	140x70	Black/Grey	8,5/18,7
NC	LARVIK SOLAR 60W 140x70deg 6000K MCN IP67	60	7200	120	5700-6300	>83	140x70	Black/Grey	9/19,8
NC	LARVIK SOLAR 60W 140x70deg 4000K MCN IP67	60	7200	120	3700-4300	>83	140x70	Black/Grey	9/19,8
NC	LARVIK SOLAR 15W 140x70deg 6000K lifepo4 IP67	15	1650	110	5700-6300	>83	140x70	Black/Grey	7,5/16,5
NC	LARVIK SOLAR 15W 140x70deg 4000K lifepo4 IP67	15	1650	110	3700-4300	>83	140x70	Black/Grey	7,5/16,5
NC	LARVIK SOLAR 20W 140x70deg 6000K lifepo4 IP67	20	2200	110	5700-6300	>83	140x70	Black/Grey	7,75/17,1
NC	LARVIK SOLAR 20W 140x70deg 4000K lifepo4 IP67	20	2200	110	3700-4300	>83	140x70	Black/Grey	7,75/17,1
NC	LARVIK SOLAR 30W 140x70deg 6000K lifepo4 IP67	30	3800	127	5700-6300	>83	140x70	Black/Grey	8/17,6
NC	LARVIK SOLAR 30W 140x70deg 4000K lifepo4 IP67	30	3800	127	3700-4300	>83	140x70	Black/Grey	8/17,6
NC	LARVIK SOLAR 40W 140x70deg 6000K lifepo4 IP67	40	5000	125	5700-6300	>83	140x70	Black/Grey	8,25/18,2
NC	LARVIK SOLAR 40W 140x70deg 4000K lifepo4 IP67	40	5000	125	3700-4300	>83	140x70	Black/Grey	8,25/18,2

**Tolerance range for optical and electrical data: ±15 %.*

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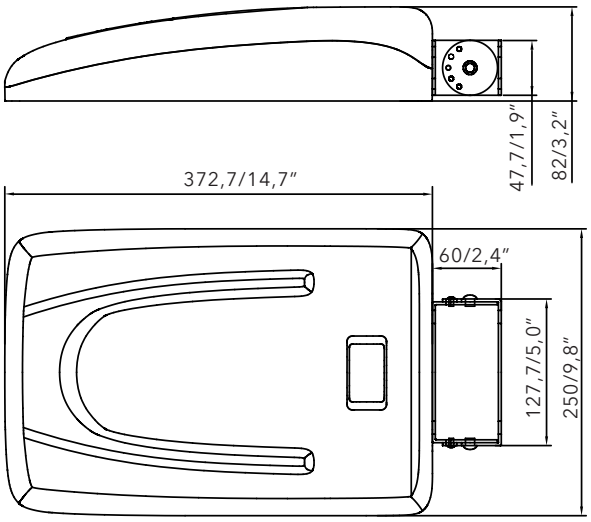
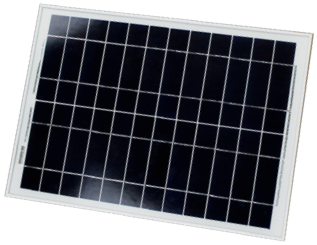
DIMENSIONS

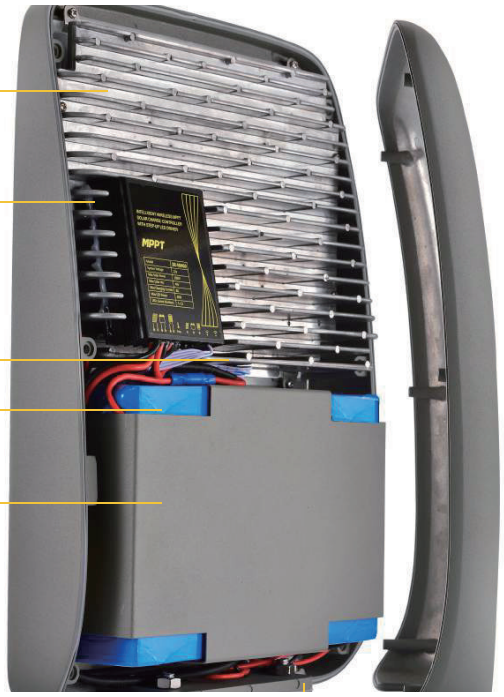


SOLAR PANEL



Code	Designation	Size(cm)	Size(ft)
-	SOLAR PANEL 40W	67x42x3	2,2x1,4x0,1
-	SOLAR PANEL 50W	70x53,5x3	2,3x1,75x0,1
-	SOLAR PANEL 60W	76,5x53,5x3	2,5x1,75x0,1
-	SOLAR PANEL 70W	78,5x67x3	2,6x2,2x0,1
-	SOLAR PANEL 80W	88x67x3	2,9x2,2x0,1
-	SOLAR PANEL 90W	88x67x3	2,9x2,2x0,1
-	SOLAR PANEL 100W	104x67x3	3,4x2,2x0,1
-	SOLAR PANEL 110W	114x67x3	3,7x2,2x0,1

DETAILS VIEW



Lithium Battery Pack
High temperature resistant, up to 2000 cycles lifetime. (DOD 70%)
Smart BMS protection.

MPPT, PWM controllers: High-charging efficiency
Ensure enough power for every night.

Switch Button
Aluminium material, anti-UV & Oxidation High performance.

Remote Setting
Microwave Sensor Optional
MC4 Plugs Connection
Lithium Battery
12Hrs/Day 130LM/W
Bill Free
Green Enerygy
Bug Free
Rechargeable
Eco Friendly

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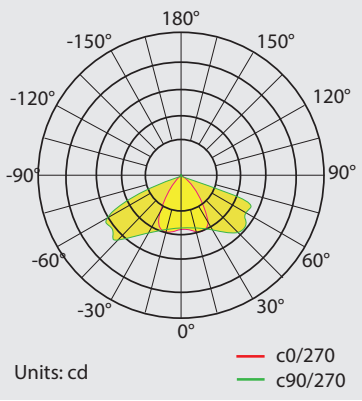
Subject to change without notice.

LIGHT DISTRIBUTION



CHARGING TIME

LARVIK Solar NCM Battery			Charge time for:								
Charge and Discharge information	Battery Capactity	Discharge Time (Hours)	Solar Panel 18V 30W (Hours)	Solar Panel 18V 40W (Hours)	Solar Panel 18V 50W (Hours)	Solar Panel 18V 60W (Hours)	Solar Panel 18V 70W (Hours)	Solar Panel 18V 80W (Hours)	Solar Panel 18V 90W (Hours)	Solar Panel 18V 100W (Hours)	Solar Panel 18V 110W (Hours)
15W	195WH 11.1V	12.35	10.00	7.50	6.00	5.00	4.29	3.75	3.33	3.00	2.73
20W	268WH 11.1V	12.06	13.74	10.31	8.25	6.87	5.89	5.15	4.58	4.12	3.75
25W	342WH 11.1V	13.00	17.54	13.15	10.52	8.77	7.52	6.58	5.85	5.26	4.78
30W	391WH 11.1V	12.38	13.72	10.29	8.23	6.86	5.88	5.14	4.57	4.12	3.74
35W	440WH 11.1V	11.94	15.44	11.58	9.26	7.72	6.62	5.79	5.15	4.63	4.21
40W	488WH 11.1V	11.59	17.12	12.84	10.27	8.56	7.34	6.42	5.71	5.14	4.67
50W	548WH 11.1V	10.41	19.23	14.42	11.54	9.61	8.24	7.21	6.41	5.77	5.24
60W	635WH 11.1V	10.05	22.28	16.71	13.37	11.14	9.55	8.36	7.43	6.68	6.08

Remark: Above discharge times are for 100% on, if we use in energy savings mode, such as 3 hours 100%, 4hours 50%, 5 hours 30%, it will last longer time.

LARVIK Solar LifePO4 Battery			Charge time for:								
Charge and Discharge information	Battery Capactity	Discharge Time (Hours)	Solar Panel 18V 30W (Hours)	Solar Panel 18V 40W (Hours)	Solar Panel 18V 50W (Hours)	Solar Panel 18V 60W (Hours)	Solar Panel 18V 70W (Hours)	Solar Panel 18V 80W (Hours)	Solar Panel 18V 90W (Hours)	Solar Panel 18V 100W (Hours)	Solar Panel 18V 110W (Hours)
15W	134WH 12.8V	8.49	6.87	5.15	4.12	3.44	2.95	2.58	2.29	2.06	1.87
20W	173WH 12.8V	7.79	8.87	6.65	5.32	4.44	38.20	3.33	2.96	2.66	2.42
30W	250WH 12.8V	7.92	12.82	9.62	7.69	6.41	5.49	4.81	4.27	3.85	3.50
40W	307WH 12.8V	7.29	10.77	8.08	6.46	5.39	4.62	4.04	3.59	3.23	2.94

Remark: Above discharge times are for 100% on, if we use in energy savings mode, such as 3 hours 100%, 4hours 50%, 5 hours 30%, it will last longer time.

ACCESSORIES

Code	Designation
20001433	Remote Controller
-	Mounting Rack
-	MC4 plugs cable 2M
-	Microwave (Radar) Sensor

Mounting Rack

MC4 plugs cable 2M

Remote Controller

Microwave (Radar) Sensor

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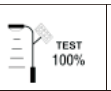
CONTROL REMOTE

Key	Key name		Executive function	Long press key function
Setting area	+		A.Menu page down B.Increase the setting data	Continuous increase the setting data
	-		A.Menu page up B.Decrease the setting data	A.Continuous decrease the setting data B.Cooperate with"-" button to return to the model selection interface
	Set		Parameter setting	-
Functional area	Send		Working parameter send	-
	receive	state	Running state received	-
		para-meter	Working parameter received	-
	Test		Send the test order	-
	Backlight		Backlight on	-
	Sleep		A.Sleeping mode till next charging daytime, and then Light star to work at night	Combine with '-' key to enter Mode setting

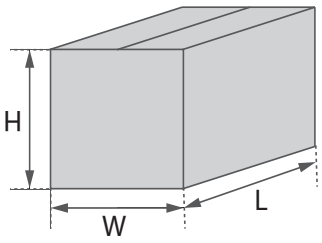
						
Remote control energy	Sending	Sent successfully	Sent failed	Test mode	Key lock	Key unlock

HUMMER RESPONSE

Hummer respond	Instruction
---(three short sounds)	Sent failed
— (a long sound)	Sent successfully
—— (two long sounds)	Restores factory default values
-- (two short sounds)	Key lock/Return to the interface of mode selection
- (a short sound)	Key Unlock

PACKAGING

	Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (Kg)	Weight (lb)	Nb of Pcs / box
Carton	LARVIK SOLAR 15W	58x41x39	1,9x1,3x1,28	18	39,7	2
	LARVIK SOLAR 20W	58x41x39	1,9x1,3x1,28	18,5	40,8	2
	LARVIK SOLAR 25W	58x41x39	1,9x1,3x1,28	18,5	40,8	2
	LARVIK SOLAR 30W	58x41x39	1,9x1,3x1,28	19	41,9	2
	LARVIK SOLAR 35W	58x41x39	1,9x1,3x1,28	19	41,9	2
	LARVIK SOLAR 40W	58x41x39	1,9x1,3x1,28	19,5	43	2
	LARVIK SOLAR 50W	58x41x39	1,9x1,3x1,28	20	44,1	2
	LARVIK SOLAR 60W	58x41x39	1,9x1,3x1,28	21	46,3	2
	SOLAR PANEL 40W	71x25x48	2,3x0,8x1,6	19,53	43,1	5
	SOLAR PANEL 50W	76x32x60	2,5x1,0x2,0	26,05	57,4	5
	SOLAR PANEL 60W	73x26x65	2,4x0,8x2,1	28,6	63,1	5
	SOLAR PANEL 70W	80x23x71	2,6x0,75x2,3	33,5	73,9	5
	SOLAR PANEL 80W	82x28x73	2,7x0,9x2,4	36,7	80,9	5
	SOLAR PANEL 90W	82x28x73	2,7x0,9x2,4	40	88,2	5
	SOLAR PANEL 100W	104x25x74	3,4x0,8x2,4	45	99,2	5
	SOLAR PANEL 110W	122x25x72	4,0x0,8x2,3	44,2	97,4	5



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