

# LED SOLAR STREET LIGHT (ALL IN ONE)

Model No. ISSL-DLX-040C

SUNPOWER CREE



## FEATURES & ADVANTAGES

- ✓ **5,600 LM** max lamp lumen high brightness
- ✓ **100,000+ Hours** long LED lifespan, with professional heat dissipation design
- ✓ **25 Years** long product lifespan
- ✓ **3,000+ Cycles** life LiFePO4 batteries with inbuilt Micro-BMS technologies
- ✓ **22.5% Efficiency** SUNPOWER solar cells
- ✓ **99.9%** MPPT solar charge efficiency
- ✓ **IP68** rated controller vs. IP66 rated electrical compartment
- ✓ **7+ Days** cloudy/rainy days autonomy
- ✓ **IES Type 1~5** with professional optical designs available to match different project requirements
- ✓ **Flexible & Customized Working Modes** with timer and motion sensor by programming
- ✓ **IoT Control** and online remote monitoring as optional via ZigBee or LoRaWAN



## APPLICATIONS

- ✓ Expressway lighting
- ✓ Street lighting
- ✓ Roadway lighting
- ✓ Public Areas lighting (squares, theme parks, park lots...)



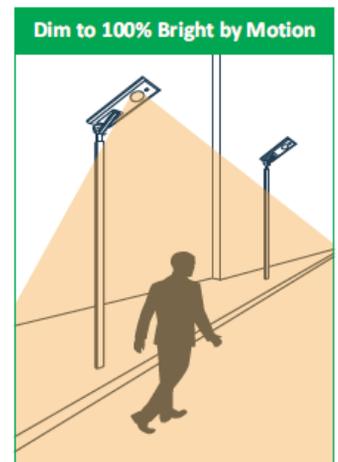
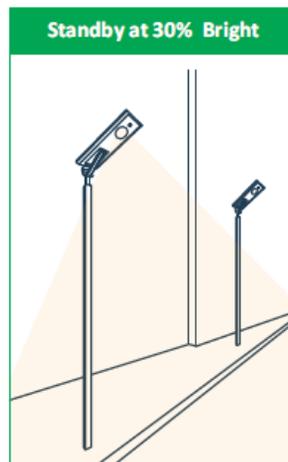
### TECHNICAL SPECIFICATIONS

LED Light Source	Rated Power	40W (36LEDs x 2 modules)
	LED Brand	CREE 3030/3535/5050 (LED Lumen: 195lm/W)
	Lumens (LM)	4800-5600lm
	Life-span	100,000 hours
	Color Temp. (CCT)	5000K (2700~6500K Full range available)
	CRI	>70
	Viewing Angle	140° (Customized Angles & IES Types Available)
Solar Panel	Power	18V/70Wp (SUNPOWER Cell Mono PV)
	Life-span	25 years
Batteries	Capacity/Type	12.8V/33AH (422.40WH) / LiFePO4 Lithium
	Life-span	8+ years (3000 circles @60% DoD)
Controller	Type	MPPT / IP68/IoT Online Monitoring as Optional
	Sensor	Microwave Radar (PIR & Timing as optional)
Full Charge Time	By Solar	7 hours (STC: 1000W/m <sup>2</sup> , 25°C)
Discharge Time	Dim Mode	>75hours (autonomy>5 cloudy/rainy days)
	Bright Mode	>15hours
Working Temp.	-30°C~+80°C	
Mounting Height/Brackets	6~7 m/ Available Brackets: Post Top/ Arm/ Arm Tube/ Pole Clamps	
Space Between Lights	30~35m	
Materials	Aluminium Alloy	
Certificate	CE / ROHS / IP66/ IK08/ TÜV-SUD ISO9001/ ISO14001	
Warranty	5 years	

### PERFORMANCE

Power (%)	Lamp Lumens (lm)
100%	56,00
60%	3,360
50%	2,800
30%	1,680
20%	1,120

#### Dim with Radar Motion Sensor



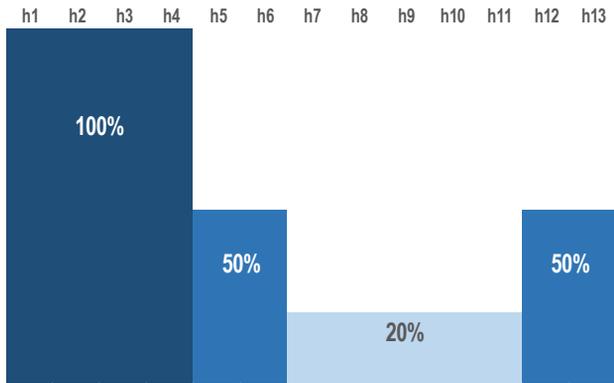
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Model No. ISSL-DLX-040C

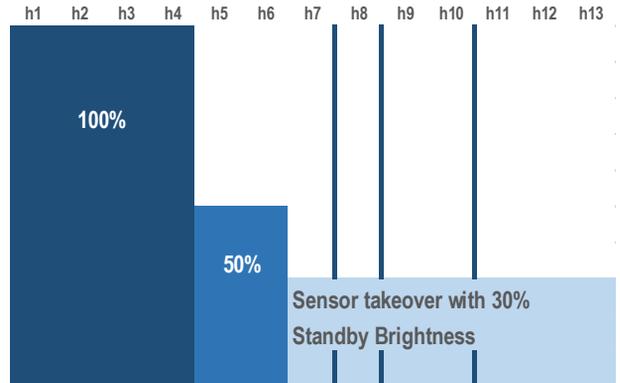
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## Dim with Timer



## Dim with Timer+ Motion Sensor



More customized control and working modes for maximum 5 sections available by programming upon customer and project requirements.

## DIMENSIONS

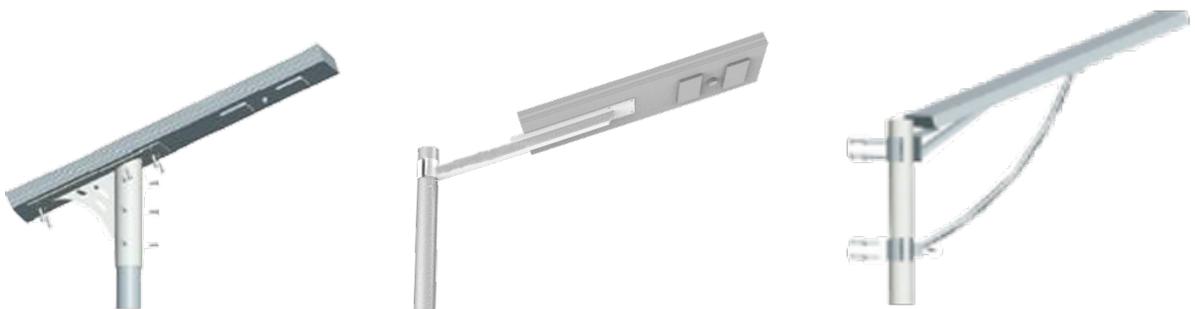
Items	L (mm)	W (mm)	H (mm)	N.W. (kgs)
Light Body	1090	355	55	11.30

## PACKING INFORMATION

Items	Package	L (mm)	W (mm)	H (mm)	CBM	G.W. (kgs)
Light Body	2pcs per Carton	1135	410	185	0.086	25.70
Mounting Brackets	2pcs per Carton	640	225	340	0.049	10.20
PCS/40'HQ Container:	940 pcs	PCS/20' Container		400 pcs		

## ACCESSORIES

Arm/ Tube Brackets for Pole Mounting available. Clamp Brackets as optional.





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[www.esavior.cn](http://www.esavior.cn)

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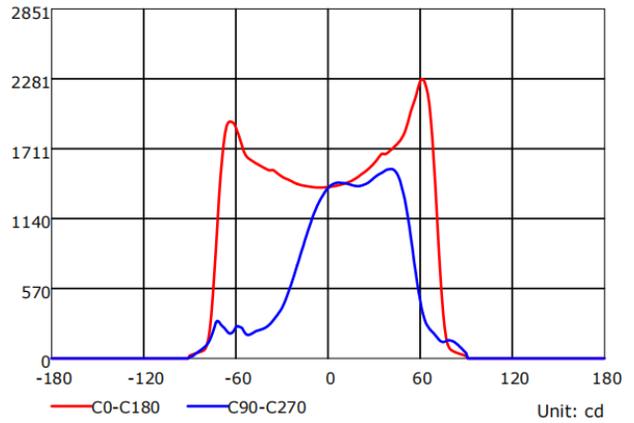
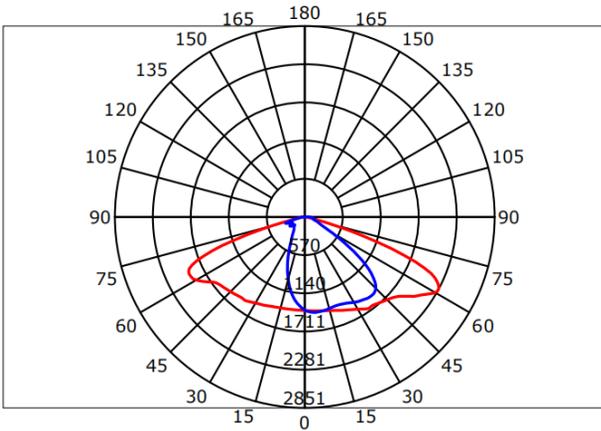
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## DISTRIBUTIONS & IES TYPE

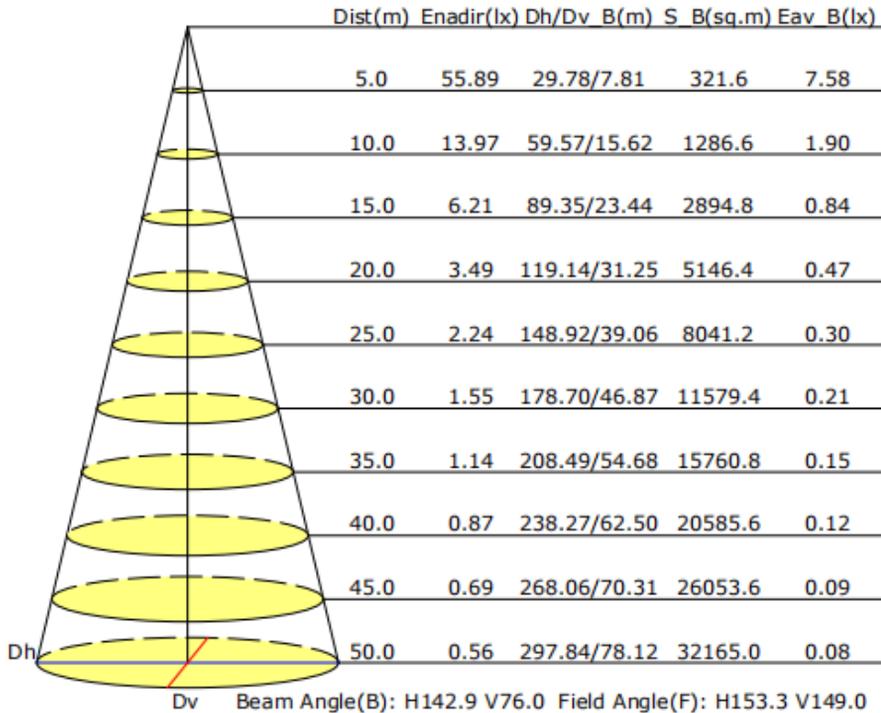
IES Type II as regular distribution, customized IES Types available upon requirements

### Luminous Intensity Distribution Curve



### Illuminance at a Distance

### Illuminance at a Distance





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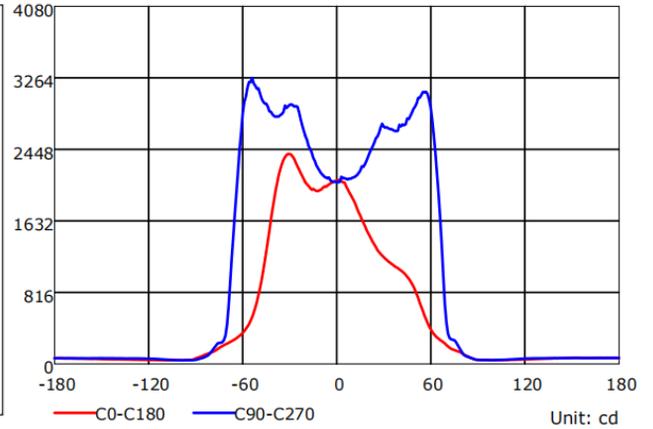
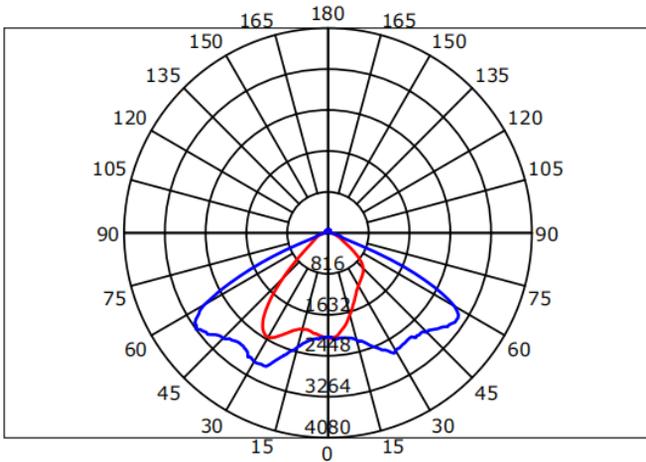
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## DISTRIBUTIONS & IES TYPE

IES Type III

### Luminous Intensity Distribution Curve



## Illuminance at a Distance

### Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv	B(m)	S	B(sq.m)	Eav	B(lx)
5.0	83.67	7.93/22.17	200.7	16.97			
10.0	20.92	15.85/44.34	802.9	4.24			
15.0	9.30	23.78/66.51	1806.6	1.89			
20.0	5.23	31.70/88.68	3211.8	1.06			
25.0	3.35	39.63/110.84	5018.4	0.68			
30.0	2.32	47.56/133.01	7226.5	0.47			
35.0	1.71	55.48/155.18	9836.0	0.35			
40.0	1.31	63.41/177.35	12847.0	0.27			
45.0	1.03	71.33/199.52	16259.5	0.21			
50.0	0.84	79.26/221.69	20073.5	0.17			

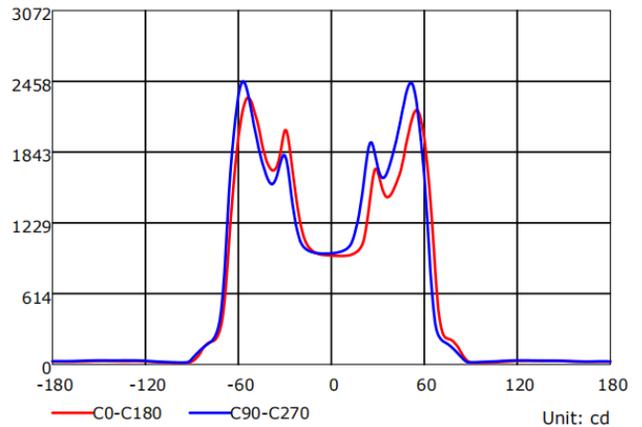
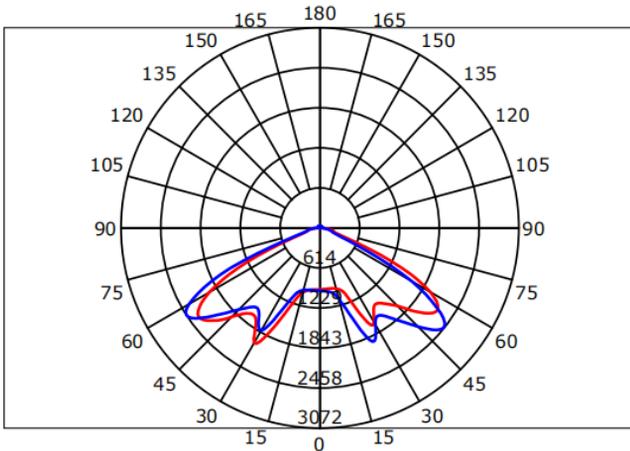
Dh/Dv Beam Angle(B): H76.8 V131.4 Field Angle(F): H137.8 V142.4



## DISTRIBUTIONS & IES TYPE

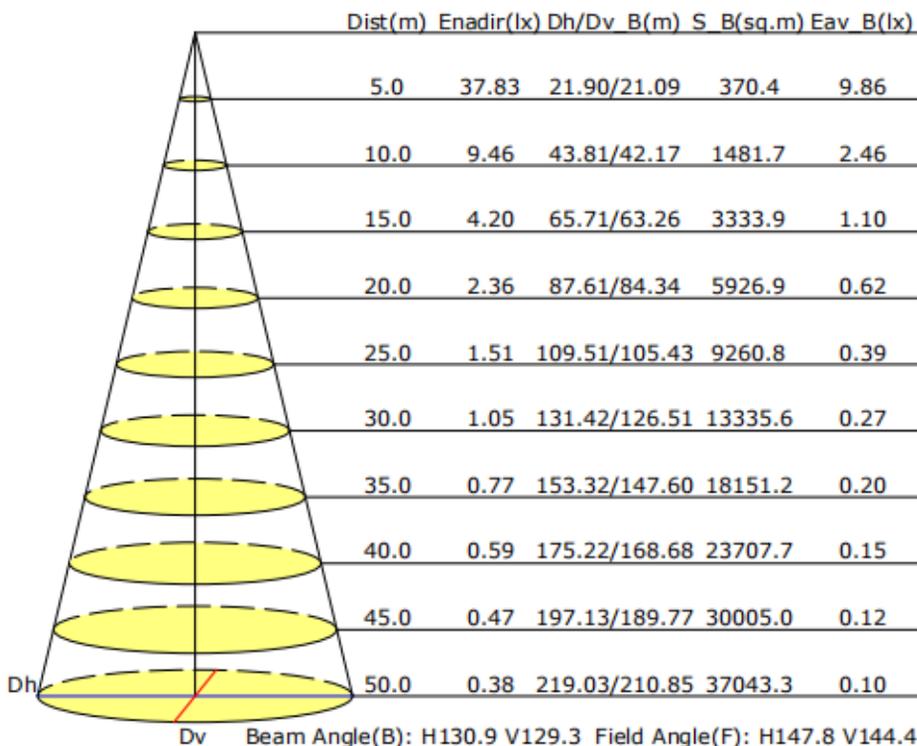
### IES Type IV

### Luminous Intensity Distribution Curve



### Illuminance at a Distance

### Illuminance at a Distance

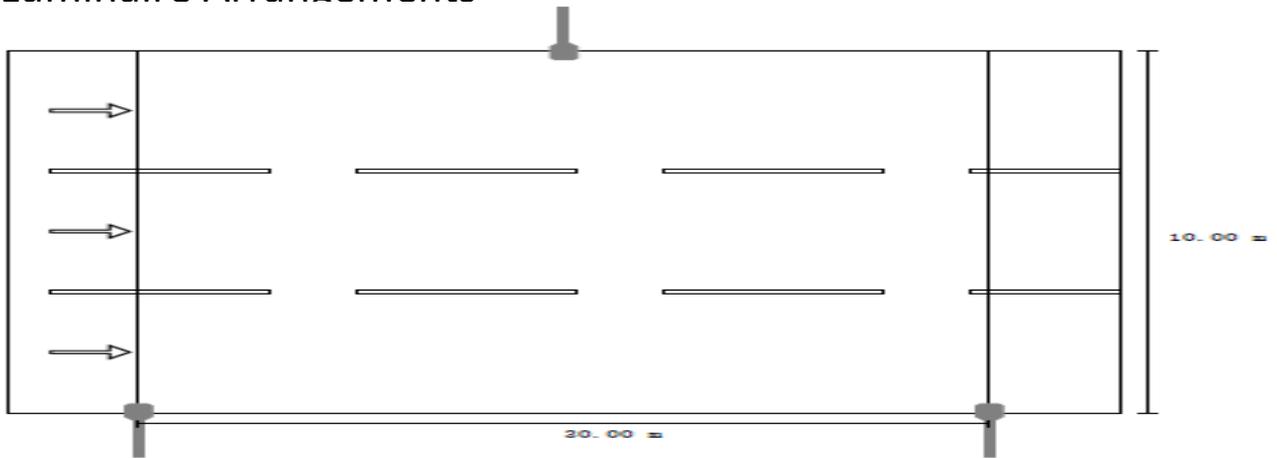


### DIALUX SIMULATION REPORT

Street Profile: ( Tarmac: R3, q0: 0.070)

Pole Height :7m ; Road Width: 10m; Pole Distance :30m; Lanes: 3;

### Luminaire Arrangements



### Valuation Field Roadway / Isolines (E)

