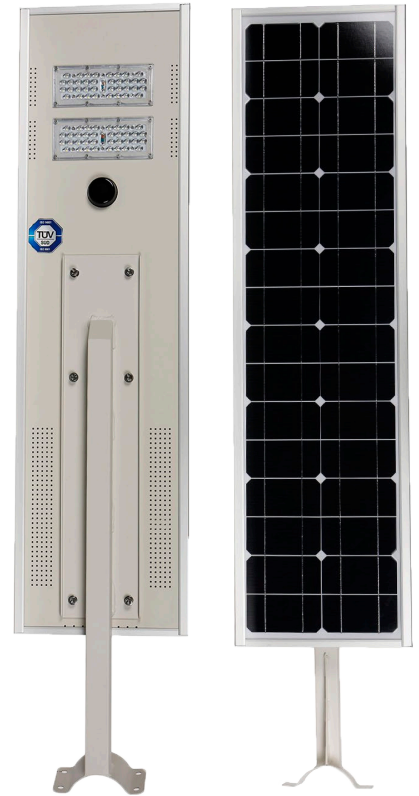


### FEATURES & ADVANTAGES

- ✓ **4,000 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
- ✓ **99.9%** MPPT tracking efficiency
- ✓ **IP68** rated controller vs. IP66 rated electrical compartment
- ✓ **5+ 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....)



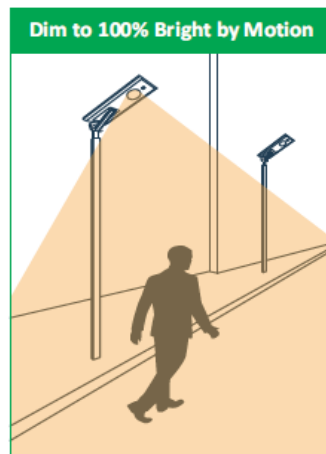
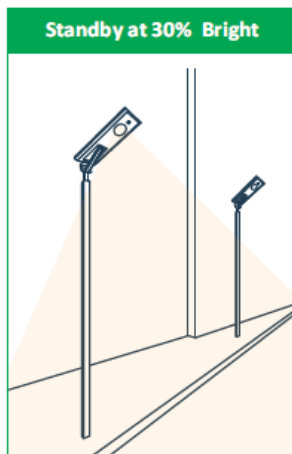
### TECHNICAL SPECIFICATIONS

LED Light Source	Rated Power	12V/ 40W (36LEDs x 1 module)
	LED Brand	PHILIPS 3030 (LED Lumen: 195lm/W)
	Lumens (LM)	3600-4000lm
	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/60Wp (High Efficiency Mono PV)
	Life-span	25 years
Batteries	Capacity/Type	12.8V/18AH (230.4WH) / LiFePO4 Lithium
	Life-span	8+ years (3000 cycles @60% DoD)
Controller	Type	MPPT / IP68/ IoT Online Monitoring as Optional
	Sensor	Microwave Radar (PIR & Timing as optional)
Full Charge Time	By Solar	4 hours (STC: 1000W/m <sup>2</sup> , 25°C)
Discharge Time	Dim Mode	>55hours
	Bright Mode	>11 hours
Working Temp.	-30°C ~ +80°C	
Mounting Height/Brackets	6~7 m/ Available Brackets: Post Top/ Arm/ Arm Tube/ Pole Clamps	
Space Between Lights	25~30m	
Materials	Aluminium Alloy	
Certificate	CE / ROHS / IP66/ IK08/ TÜV-SUD ISO9001/ ISO14001	
Warranty	3 years	

### PERFORMANCE

Power (%)	Lamp Lumens (lm)
100%	4,000
60%	2,400
50%	2,000
30%	1,200
20%	800

#### Dim with Radar Motion Sensor

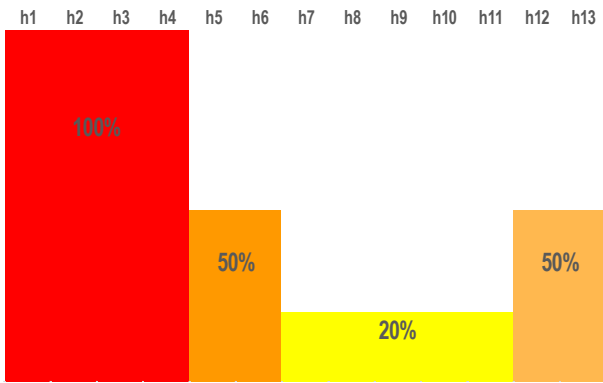


# LED SOLAR STREET LIGHT (ALL IN ONE)

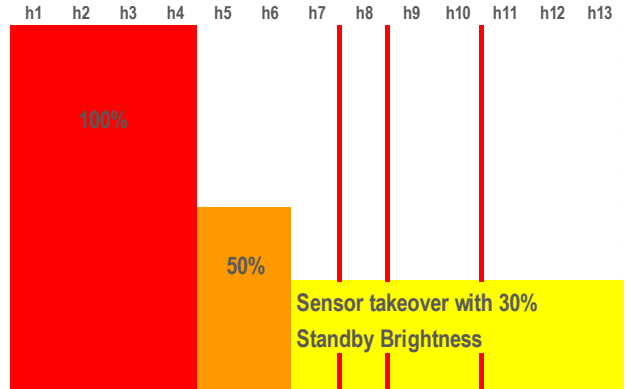
[www.esavior.cn](http://www.esavior.cn)

Model No. ISSL-BRZ-40W

## 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	272	55	8.9

## PACKING INFORMATION

Items	Package	L (mm)	W (mm)	H (mm)	CBM	G.W. (kgs)
Light Body	2pcs per Carton	1140	340	190	0.074	18.9
Mounting Brackets	6pcs per Carton	670	360	385	0.093	25.1
PCS/40'HQ Container:	1100 pcs	PCS/20' Container		500 pcs		

## ACCESSORIES

Clamp bracket for Wall or Pole , Arm/ Tube Brackets for Pole Mounting Available.



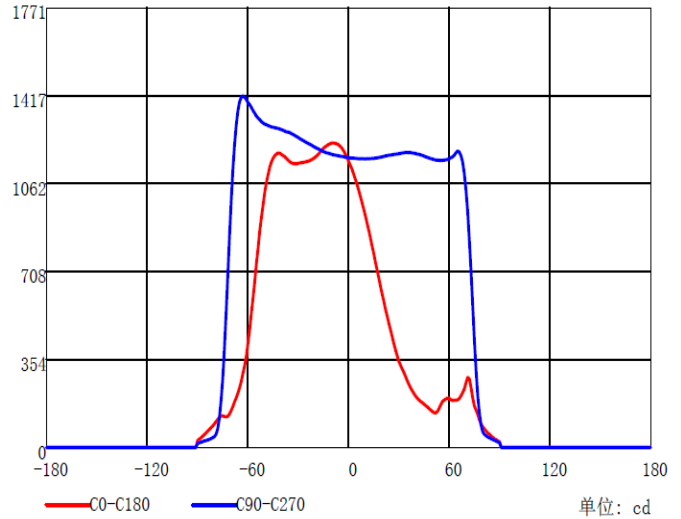
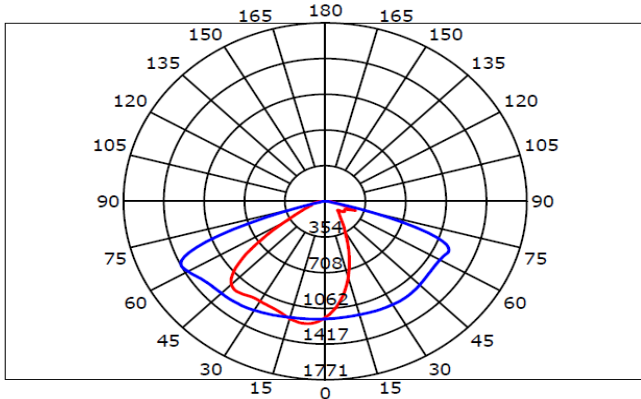
**PHILIPS**



### DISTRIBUTIONS & IES TYPE

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

#### Luminous Intensity Distribution Curve



#### Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv	B(m)	S B(sq.m)	Eav_B(lx)
5.0	46.13	7.96/31.60	355.2	4.61	
10.0	11.53	15.92/63.21	1420.6	1.15	
15.0	5.13	23.88/94.81	3196.4	0.51	
20.0	2.88	31.84/126.41	5682.5	0.29	
25.0	1.85	39.80/158.02	8878.9	0.18	
30.0	1.28	47.76/189.62	12785.6	0.13	
35.0	0.94	55.72/221.22	17402.6	0.09	
40.0	0.72	63.68/252.83	22729.9	0.07	
45.0	0.57	71.64/284.43	28767.5	0.06	
50.0	0.46	79.60/316.03	35515.4	0.05	

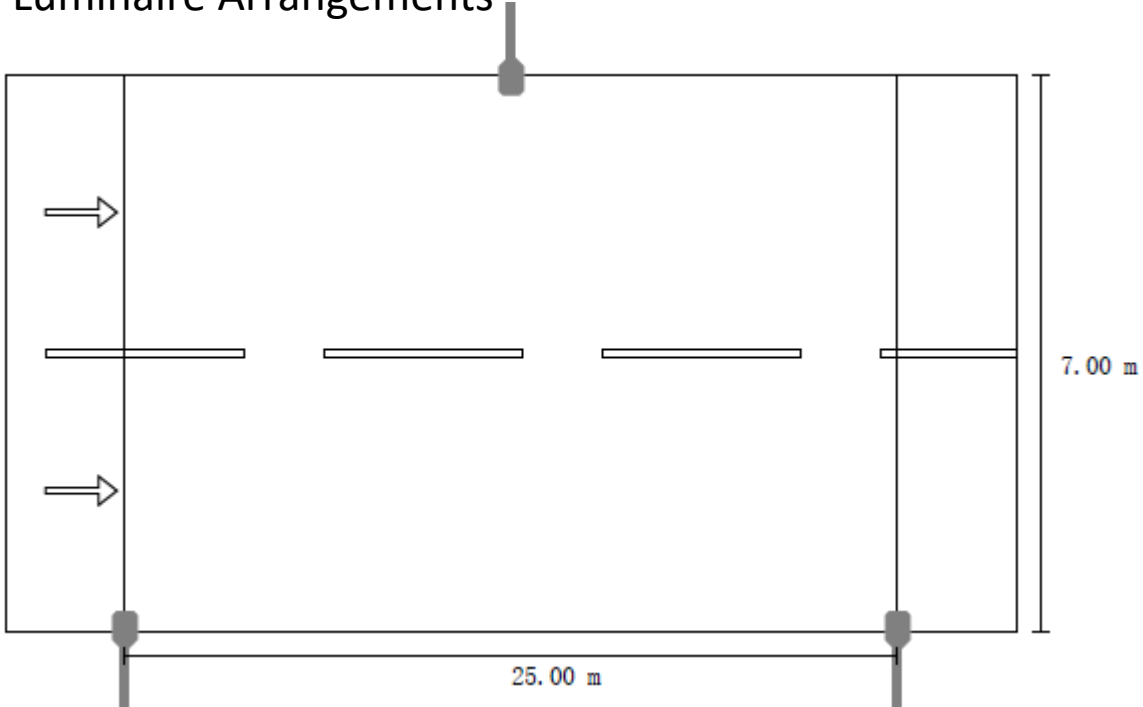
Dh/Dv Beam Angle(B): H77.0 V144.9 Field Angle(F): H154.3 V154.6

## DIALUX SIMULATION REPORT

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

Pole Height :6m ; Pole Distance :25m; Road Width: 7m; Lanes: 2;

### Luminaire Arrangements



### Valuation Field Roadway / Isolines (E)

