

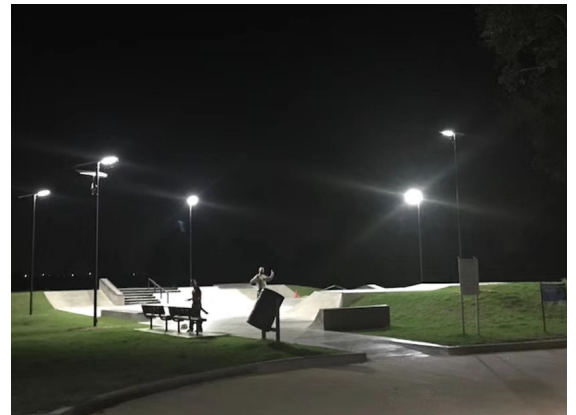
FEATURES & ADVANTAGES

- ✓ **3,000 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....)



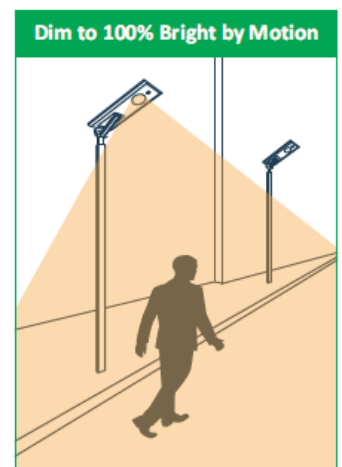
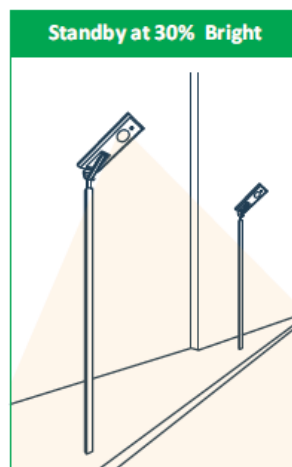
TECHNICAL SPECIFICATIONS

LED Light Source	Rated Power	12V/ 30W (30LEDsx2 modules)
	LED Brand	PHILIPS 3030 (LED Lumen: 195lm/W)
	Lumens (LM)	2700-3000lm
	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/40Wp (High Efficiency Mono PV)
	Life-span	25 years
Batteries	Capacity/Type	12.8V/18AH (230.4WH) / 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	6 hours (STC: 1000W/m ² , 25°C)
Discharge Time	Dim Mode	>75hours
	Bright Mode	>15 hours
Working Temp.	-30°C~+80°C	
Mounting Height/Brackets	5~6 m/ Available Brackets: Post Top/ Arm/ Arm Tube/ Pole Clamps	
Space Between Lights	20~25m	
Materials	Aluminium Alloy	
Certificate	CE / ROHS / IP66/ IK08/ TÜV-SUD ISO9001/ ISO14001	
Warranty	3 years	

PERFORMANCE

Power (%)	Lamp Lumens (lm)
100%	3,000
60%	1,800
50%	1,500
30%	900
20%	600

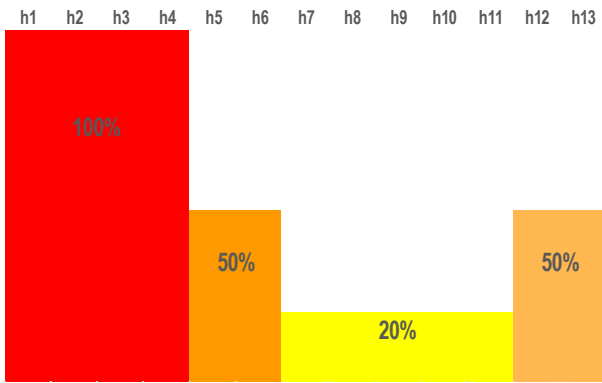
Dim with Radar Motion Sensor



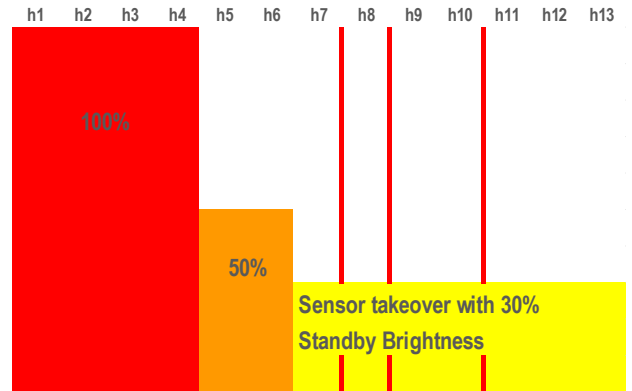
LED SOLAR STREET LIGHT (ALL IN ONE)

Model No. ISSL-BRZ-30W

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	840	292	55	6.7

PACKING INFORMATION

Items	Package	L (mm)	W (mm)	H (mm)	CBM	G.W. (kgs)
Light Body	2pcs per Carton	875	350	175	0.054	14.8
Mounting Brackets	12pcs per Carton	510	355	330	0.060	29.2
PCS/40'HQ Container:	1300 pcs	PCS/20' Container		600 pcs		

ACCESSORIES

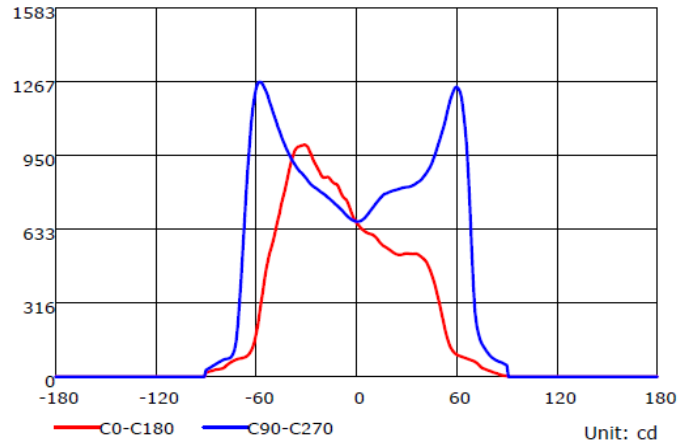
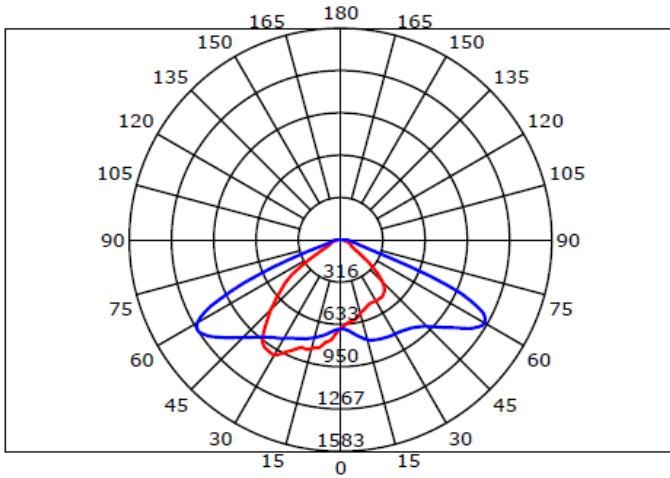
Clamp bracket for Wall or Pole , Arm/ Tube Brackets for Pole Mounting Available.



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	26.51	10.78/24.60	270.2	5.46
	10.0	6.63	21.55/49.21	1080.7	1.36
	15.0	2.95	32.33/73.81	2431.5	0.61
	20.0	1.66	43.11/98.42	4322.7	0.34
	25.0	1.06	53.88/123.02	6754.2	0.22
	30.0	0.74	64.66/147.63	9726.1	0.15
	35.0	0.54	75.44/172.23	13238.3	0.11
	40.0	0.41	86.21/196.84	17290.8	0.09
	45.0	0.33	96.99/221.44	21883.7	0.07
	50.0	0.27	107.77/246.04	27016.9	0.05

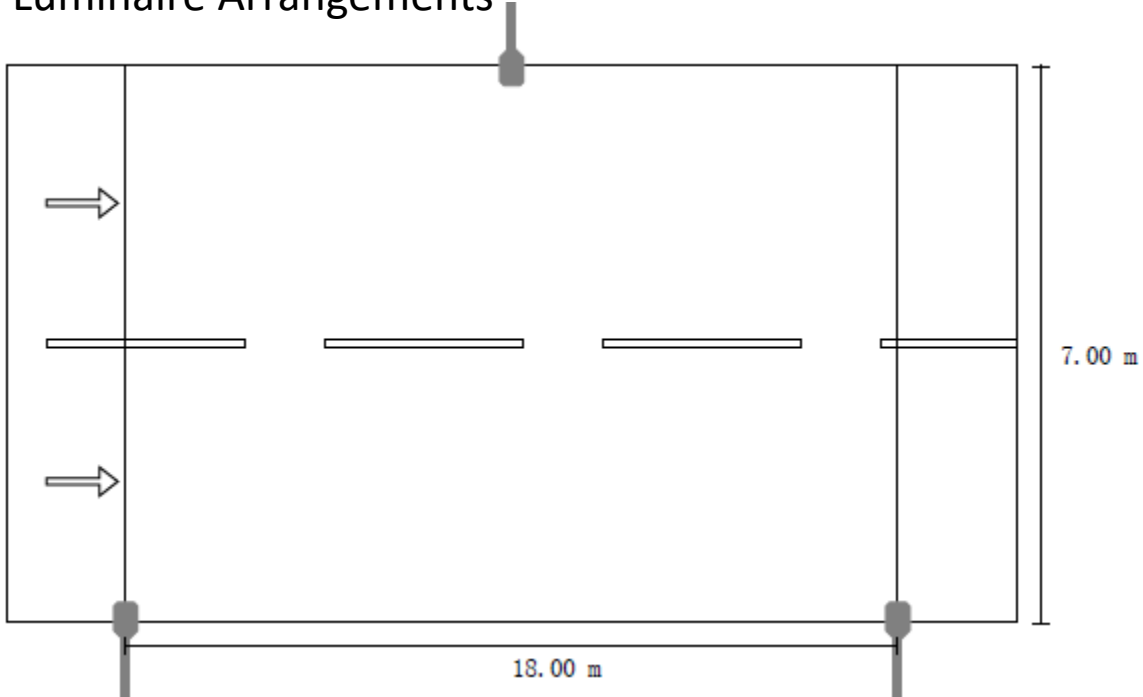
Dh Dv Beam Angle(B): H94.3 V135.8 Field Angle(F): H123.3 V149.1

DIALUX SIMULATION REPORT

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

Pole Height :6m ; Road Width: 7m; Pole Distance :20m; Lanes: 2;

Luminaire Arrangements



Valuation Field Roadway / Isolines (E)

