LED SOLAR STREET LIGHT (ALL IN ONE)

Model No. ISSL-BRZ-80W

FEATURES & ADVANTAGES

✓ **7,200 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

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

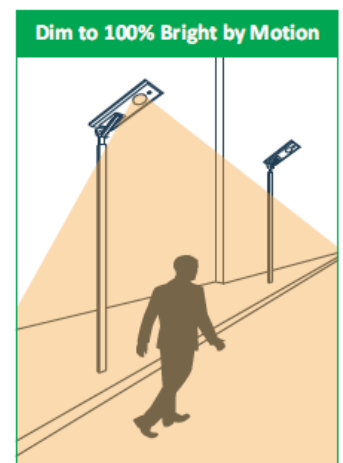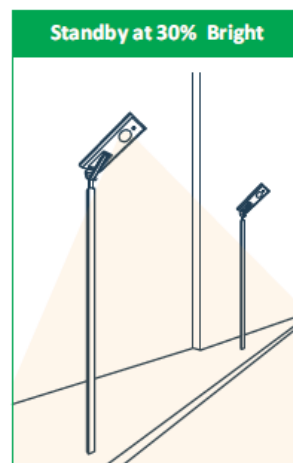PHILIPS IOT TECHNOLOGY INCORPORATED CE RoHS IP66 Motion Sensor Dimming Remote Control MPPT CHARGING TÜV SUD ISO 9001 TÜV SUD ISO 14001

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TECHNICAL SPECIFICATIONS

LED Light Source	*Rated Power*	24V/ 80W (36LEDsx4 modules)
	LED Brand	PHILIPS 3030 (LED Lumen: 195lm/W)
	Lumens(LM)	7200-8000lm
	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/80Wp （High Efficiency Mono PV）
	Life-span	25 years
Batteries	*Capacity/Type*	12.8V/36AH (406.8WH) / 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*	5 hours (STC: 1000W/㎡, 25℃)
Discharge Time	*Dim Mode*	>60 hours
	Bright Mode	>12 hours
Working Temp.	-30℃~+80℃	
Mounting Height/Brackets	8～10 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	3 years	

PERFROMANCE

Power (%)	Lamp Lumens (lm)
100%	7,200
60%	4,320
50%	3,600
30%	2,160
20%	1,440

Dim with Radar Motion Sensor

Standby at 30% Bright

Dim to 100% Bright by Motion

Energy Savior, Save Mother Earth.
绿色能源 拯救地球
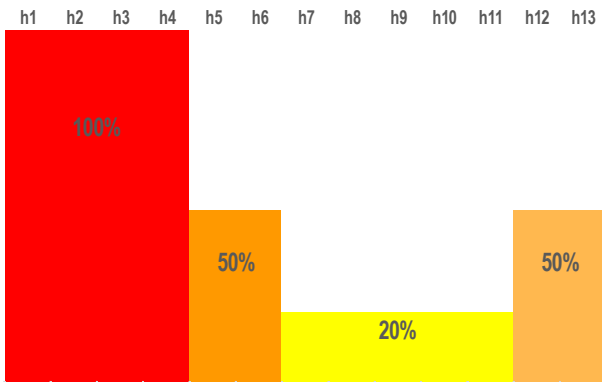
Dim with Timer

Dim with Timer+ Motion Sensor

Sensor takeover with 30% Standby Brightness
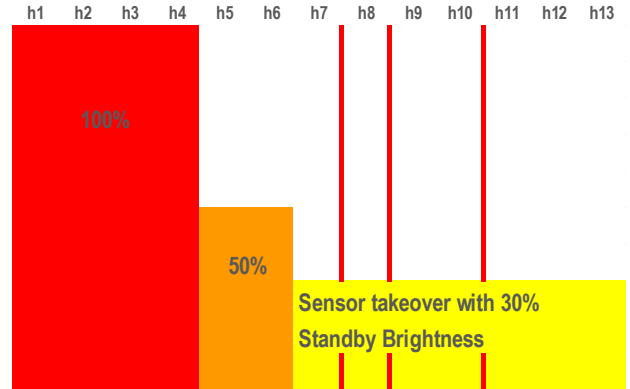
More customized control and working modes for maximum 5 sections available by programming upon customer and project requirements.
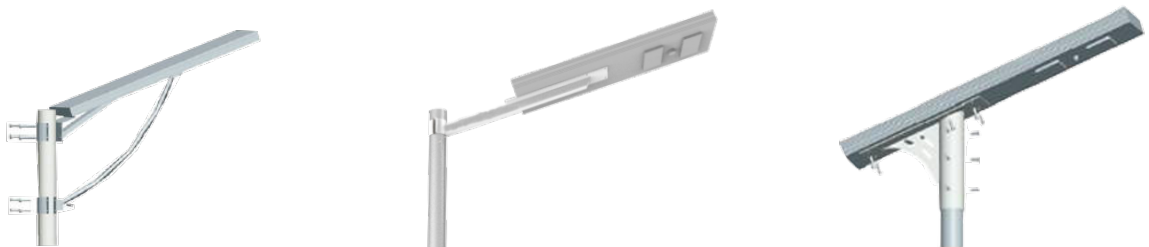
DIMENSIONS

Items	L (mm)	W (mm)	H (mm)	N.W. (kgs)
Light Body	1325	355	55	13.6

PACKING INFORMATION

Items	Package	L (mm)	W (mm)	H (mm)	CBM	G.W. (kgs)
Light Body	2pcs per Carton	1370	410	175	0.098	29.3
Mounting Brackets	4pcs per Carton	700	440	285	0.088	23.2
PCS/40'HQ Container:	700 pcs		PCS/20' Container		300 pcs	

ACCESSORIES

Arm/ Tube Brackets for Pole Mounting Available.

PHILIPS

IOT TECHNOLOGY INCORPORATED   CE   RoHS   IP66   Motion Sensor Dimming   Remote Control   MPPT CHARGING

TÜV SÜD ISO 9001   TÜV SÜD ISO 14001

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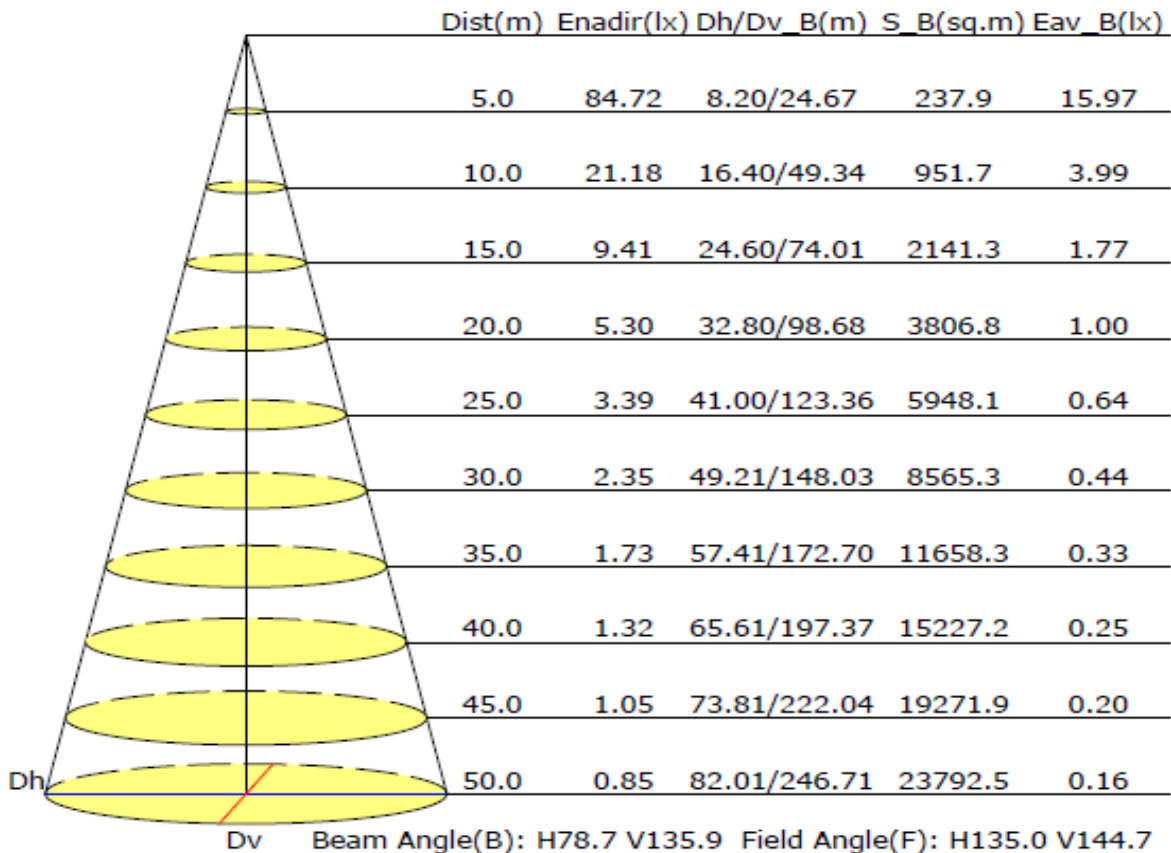
DISTRIBUTIONS & IES TYPE

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

Luminous Intensity Distribution Curve
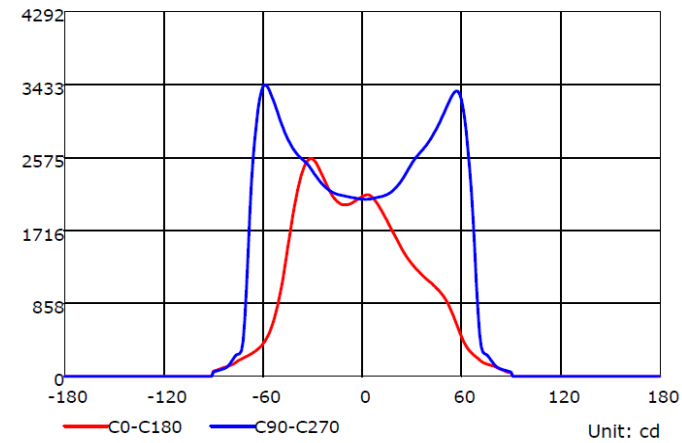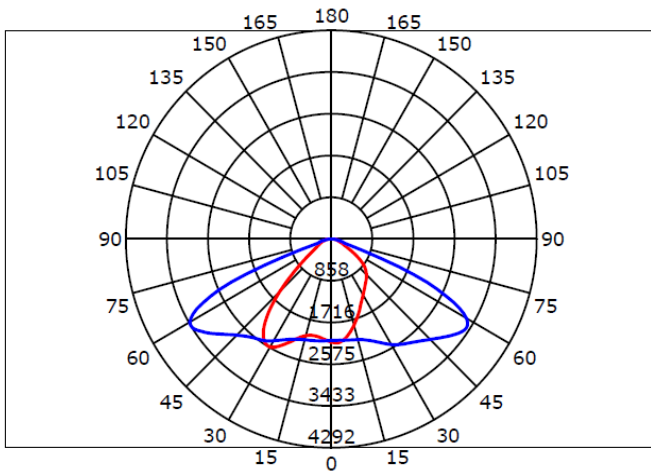
Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
5.0	84.72	8.20/24.67	237.9	15.97
10.0	21.18	16.40/49.34	951.7	3.99
15.0	9.41	24.60/74.01	2141.3	1.77
20.0	5.30	32.80/98.68	3806.8	1.00
25.0	3.39	41.00/123.36	5948.1	0.64
30.0	2.35	49.21/148.03	8565.3	0.44
35.0	1.73	57.41/172.70	11658.3	0.33
40.0	1.32	65.61/197.37	15227.2	0.25
45.0	1.05	73.81/222.04	19271.9	0.20
50.0	0.85	82.01/246.71	23792.5	0.16

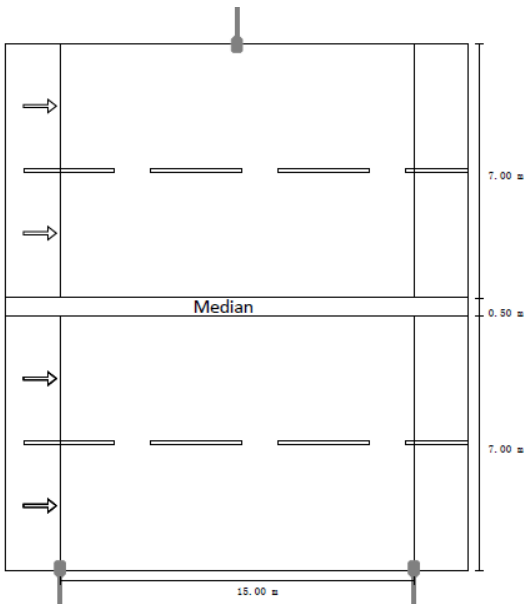Beam Angle(B): H78.7 V135.9 Field Angle(F): H135.0 V144.7

DIALUX SIMULATION REPORT

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

Pole Height :9m ; Pole Distance :30m; Road Width: 15m; Lanes: 4;

Luminaire Arrangements

Valuation Field Roadway / Isolines (E)