

Model No. ISSL-BRZ-60W

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## **FEATURES & ADVANTAGES**

- 6,000 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....)





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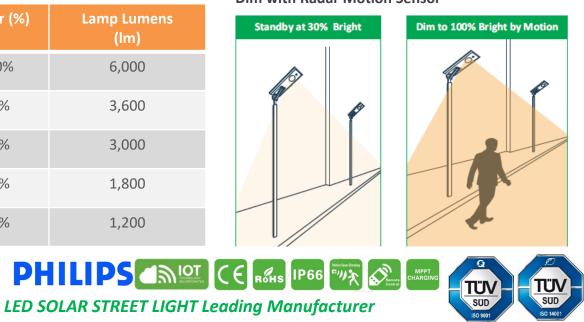
### **TECHNICAL SPECIFICATIONS**

Color Temp. (CCT)   5000K (2700~6500K Full range available)     CRI   >70     Viewing A ngle   140° (Customized Angles & IES Types Available)     Solar Panel   Power   18V/70Wp (High Efficiency Mono PV)     Life-span   25 years     Capacity/Type   12.8V/30AH (384.0WH) / LiFePO4 Lithium     Life-span   8+ years (3000 circles @60% DoD)     Type   MPPT / IP68/IoT Online Monitoring as Optional     Controller   Sensor   Microwave Radar (PIR & Timing as optional)     Full Charge Time   By Solar   6 hours (STC: 1000W/m², 25°C )     Discharge Time   Bright Mode   >60 hours     Working Temp.   -30°C ~+80°C   -30°C ~+80°C     Mounting Height/Brackets   7~8 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						
Lumens (LM)5400-6000lmLife-span100,000 hoursColor Temp. (CCT)5000K (2700~6500K Full range available)CRI>70Viewing A ngle140° (Customized Angles & IES Types Available)Solar PanelPower18V/70Wp (High Efficiency Mono PV)Life-span25 yearsBatteriesCapacity/Type12.8V/30AH (384.0WH) / LiFePO4 LithiumLife-span8+ years (3000 circles @60% DoD)TypeMPPT / IP68/IoT Online Monitoring as OptionalSolar Panel59.50arBatteriesBy SolarBatteriesBy SolarControllerBy SolarFull Charge TimeBy SolarBy Solar6 hours (STC: 1000W/m², 25°C )Discharge TimeSolar ModeSolar Height/Brackets>~80 n/A vailable Brackets: Post Top/ Arm/ Arm Tube/ Pole ClampsSpace Between Lights30~35mMaterialsAluminium AlloyCertificatePOS / IVV-SUD ISO9001/ ISO14001	LED Light Source	Rated Power	12V/ 60W (36LEDsx3 modules)			
LED Light SourceLife-span100,000 hoursColor Temp. (CCT)5000K (2700~6500K Full range available)CRI>70Viewing Angle140° (Customized Angles & IES Types Available)Solar PanelPowerLife-span25 yearsBatteriesCapacity/TypeLife-span8+ years (3000 circles @60% DoD)TypeMPPT / IP68/IoT Online Monitoring as OptionalSonar PanelTypeBatteriesBy SolarBatteriesBy SolarMicrowave Radar (PIR & Timing as optional)Full Charge TimeBy SolarDischarge TimeSolar ModeWorking Temp30°C~+80°CMounting Height/Brackets7~8 m/ Available Brackets: Post Top/ Arm/ Arm Tube/ Pole ClampsSpace Between Lights30~35mMaterialsAluminium AlloyCertificateCE / ROHS / IP66/ IK08/ TÜV-SUD ISO9001/ ISO14001		LED Brand	PHILIPS 3030 (LED Lumen: 195lm/W)			
Color Temp. (CCT)   5000K (2700~6500K Full range available)     CRI   >70     Viewing Angle   140° (Customized Angles & IES Types Available)     Solar Panel   Power   18V/70Wp (High Efficiency Mono PV)     Life-span   25 years     Capacity/Type   12.8V/30AH (384.0WH) / 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)     Solar Panel   By Solar     Batteries   6 hours (STC: 1000W/m², 25°C )     Discharge Time   By Solar     Bright Mode   >12 hours     Space Between Lights   30~35m     Materials   Aluminium Alloy     Certificate   Certificate		Lumens (LM)	5400-6000lm			
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	Materials	Aluminium Alloy				
Warranty 3 years	Certificate	CE / ROHS / IP66/ IK08/ TÜV-SUD ISO9001/ ISO14001				
	Warranty	3 years				

### PERFROMANCE

Power (%)	Lamp Lumens (lm)		
100%	6,000		
60%	3,600		
50%	3,000		
30%	1,800		
20%	1,200		

#### **Dim with Radar Motion Sensor**



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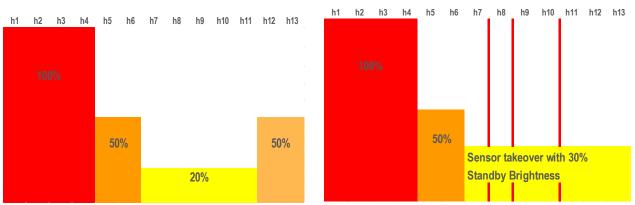


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**Dim with Timer+ Motion Sensor** 

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#### **Dim with Timer**



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	11.2

## **PACKING INFORMATION**

Items	Package	L (mm)	W (mm)	H (mm)	СВМ	G.W. (kgs)
Light Body	2pcs per Carton	1135	410	185	0.086	25.2
Mounting Brackets	4pcs per Carton	780	340	250	0.066	18.8
PCS/40'HQ Container: 900 pcs		PCS/20' Container			400 pcs	

## **ACCESSORIES**

Arm/ Tube Brackets for Pole Mounting Available.





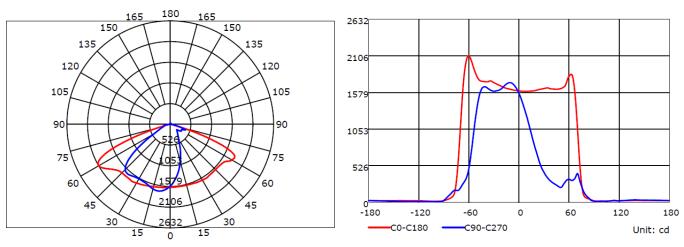
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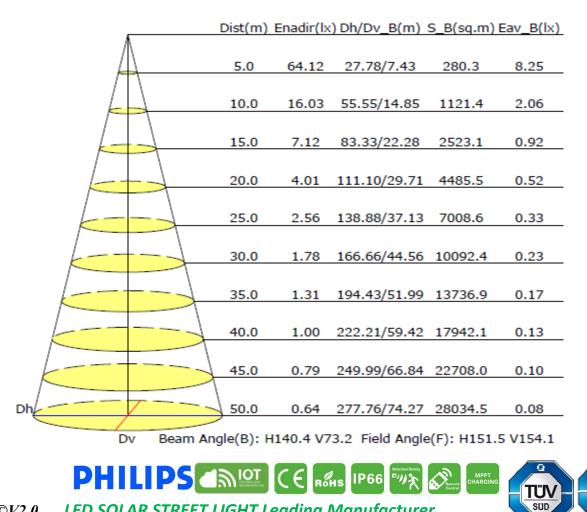
## **DISTRIBUTIONS & IES TYPE**

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

#### **Luminous Intensity Distribution Curve**



### Illuminance at a Distance



LED SOLAR STREET LIGHT Leading Manufacturer





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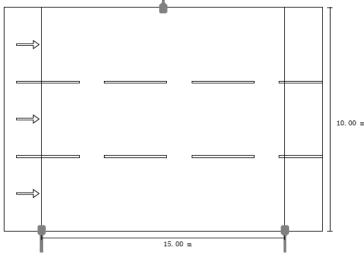
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**DIALUX SIMULATION REPORT** 

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

Pole Height :8m ; Pole Distance :30m; Road Width: 10m; Lanes: 3;

Luminaire Arrangements



Valuation Field Roadway / Isolines (E)

