

### FEATURES & ADVANTAGES

- ✓ **9,600 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
- ✓ **99.9%** MPPT solar charge 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
- ✓ Main Street lighting
- ✓ Roadway lighting
- ✓ Public Areas lighting (squares, theme parks, park lots....)



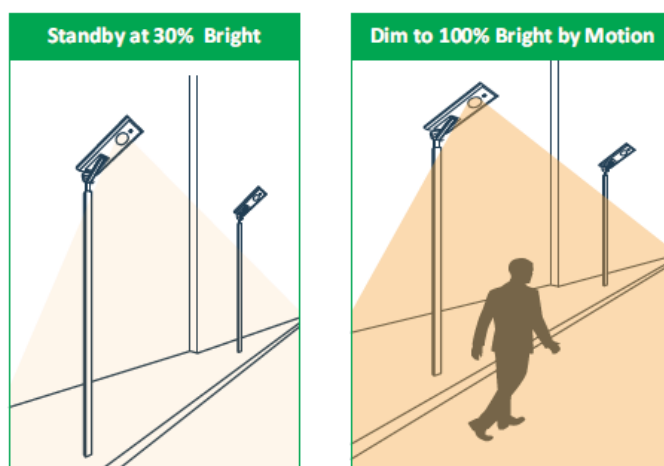
### TECHNICAL SPECIFICATIONS

LED Light Source	Rated Power	24V/ 80W (36LEDsx4 modules)
	LED Brand	PHILIPS 3030 (LED Lumen: 195lm/W)
	Lumens(LM)	8000-9600lm
	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	36V/100Wp (High Efficiency Mono PV)
	Life-span	25 years
Batteries	Capacity/Type	25.6V/24AH (614.40WH) / LiFePO4 Lithium
	Life-span	8+ years (3,000 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/m², 25°C)
Discharge Time	Dim Mode	>65 hours
	Bright Mode	>13 hours
Working Temp.		-30°C ~ +80°C
Mounting Height/Brackets		10~12 m/ Available Brackets: Post Top/ Arm / Pole Clamps
Space Between Lights		35~40m
Materials		Aluminium Alloy
Certificate		CE / ROHS / IP66/ IK08/ TÜV-SUD ISO9001/ ISO14001
Warranty		3 years OR 5 years

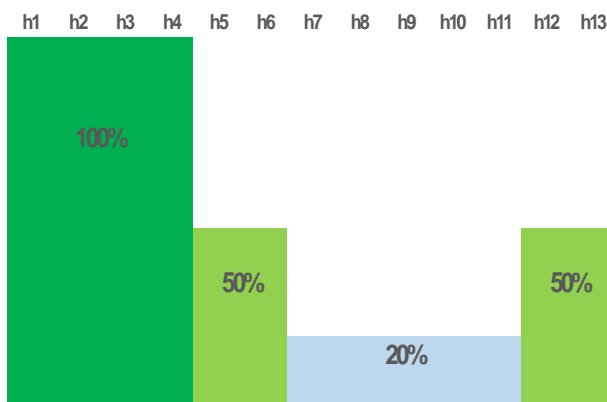
### PERFORMANCE

Power (%)	Lamp Lumens (lm)
100%	9,600
60%	5,760
50%	4,800
30%	2,880
20%	1,920

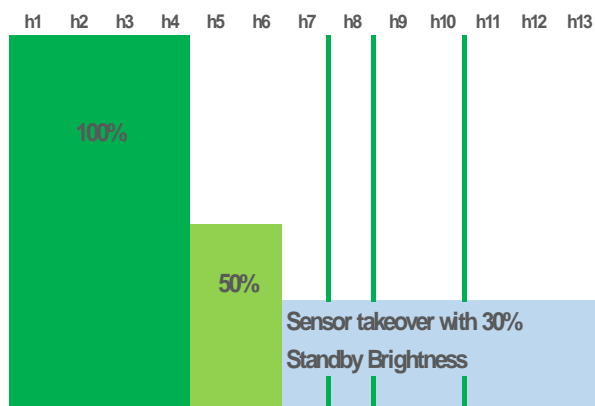
#### Dim with Radar Motion Sensor



### 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	1520	355	55	16.00

## PACKING INFORMATION

Items	Package	L (mm)	W (mm)	H (mm)	CBM	G.W. (kgs)
Light Body	2pcs per Carton	1558	408	185	0.117	34.00
Mounting Brackets	4pcs per Carton	875	440	285	0.109	24.10
PCS/40'HQ Container:	745 pcs	PCS/20' Container		315 pcs		

## FINISHED COLOR

	Milk White (Regular)
	Silver
	Dark Grey
	Black

Customized Full Range Colors Available

## ACCESSORIES

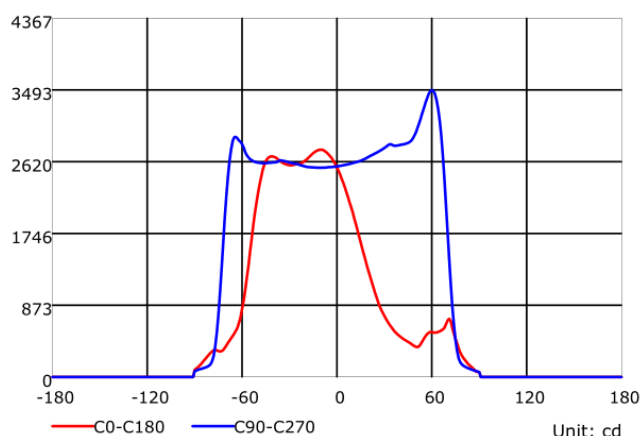
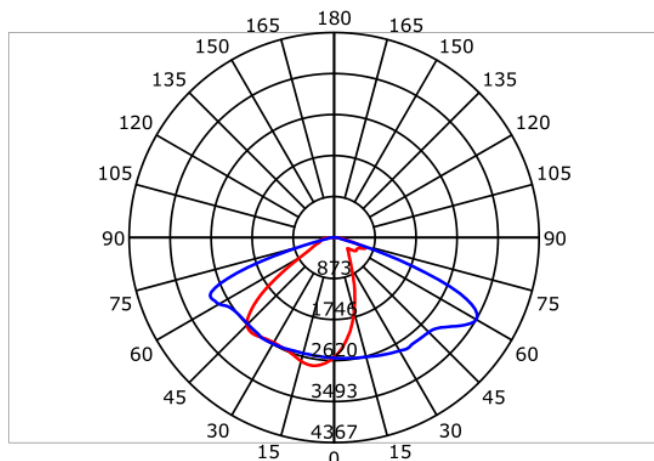
Tube/ Clamp / Arm Brackets for Pole Mounting available



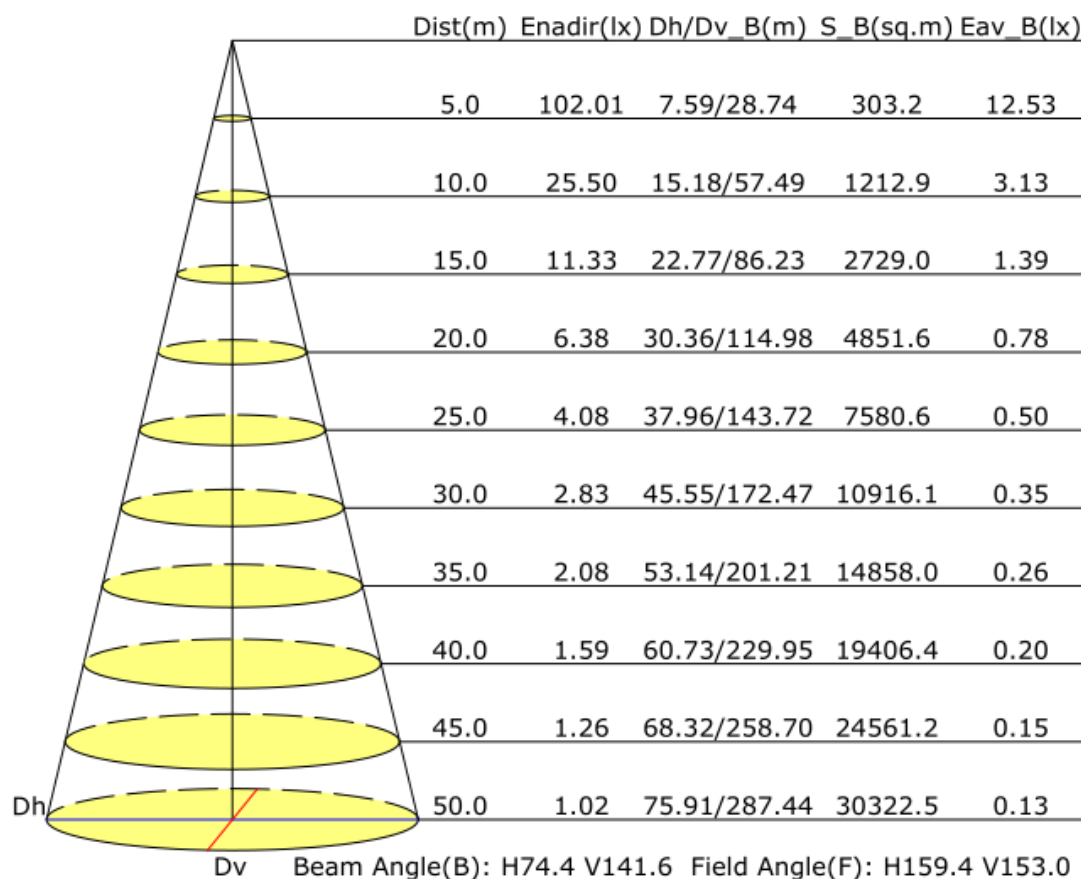
### DISTRIBUTIONS & IES TYPE

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

#### Luminous Intensity Distribution Curve



#### Illuminance at a Distance

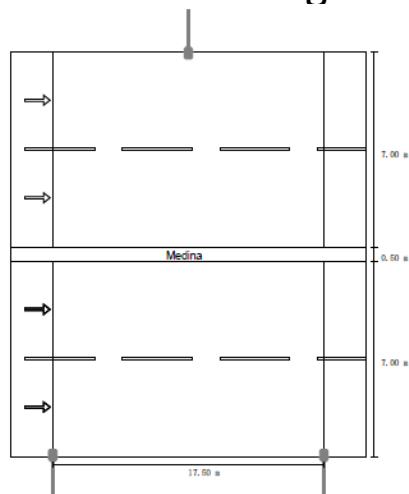


### DIALUX SIMULATION REPORT

Street Profile(Tarmac: R3, q0: 0.070)

Pole Height :10m ; Pole Distance :35m; Road Width: 14m; Lanes: 4;

### Luminaire Arrangements



### Valuation Field Roadway / Isolines (E)

