

## Solar Lighting System Design Table

Electrical Specification	
LED Lamp	72W
LED Luminous Efficiency	≥95lm/w
LED Initial Flux	>6,840lm(Tj=25)
Color Temperature	Cool White:5,000~7,000K; Warm White:3,000~4,000K
Average Illuminance	height=6m,40lux, height=8m,23lux,
Average Brightness/luminance	>2.3cd/m <sup>2</sup> (for 10m road) >2cd/m <sup>2</sup> (for 12m road) >1.5cd/m <sup>2</sup> (for 15m road)
LED Life Span	>50, 000 hrs
Solar Panel	2*100W monocrystalline silcion module
Maintenance Free Battery	2*12V120Ah GEL battery
Solar&Light Controller	Solar&Light hybrided intelligent controller,with automatically time and light seting
Structure Specification	
Pole Height (m)	8m
Lamp Height(m)	7 m
Pole to Pole Distance(m)	25m/30m
Arm Type	Single Arm
Arm Length	1.5m
Pole Material	Q235 stainless steel
Solar mounting brackets	Stainless steel
Embedded Parts of Pole	Round steel
Groundwork	C25 concrete construction
System Specification	
Average working hours/ day	8
System Autonomous days	3
Dimmable Function	yes
Battery Mounting	Under-ground/On-ground
Pictures	