

Solar Lighting System Design Table

Electrical Specification	
LED Lamp	48W
LED Luminous Efficiency	≥95lm/w
LED Initial Flux	>4,560lm(Tj=25)
Color Temperature	Cool White:5,000~7,000K; Warm White:3,000~4,000K
Average Illuminance	height=6m,27lux, height=8m,15lux,
Average Brightness/luminance	> 2 cd/m ² (for 12m road) > 1.6 cd/m ² (for 16m road) > 1.2 cd/m ² (for 20m road)
LED Life Span	> 50, 000 hrs
LED Lamp	2*48W high power led lamp with Cree chip
Solar Panel	2*120W monocrystalline silcion module
Maintenance Free Battery	2*12V150Ah GEL battery
Solar&Light Controller	Solar&Light hybridred intelligent controller,with automatically time and light seting
Structure Specification	
Pole Height (m)	6m
Lamp Height(m)	5m
Pole to Pole Distance(m)	30m
Arm Type	Double arms
Arm Length	0.7m~1m
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	