

Solar Lighting System Design Table

Electrical Specification	
LED Lamp	24W
LED Luminous Efficiency	$\geq 95\text{lm/w}$
LED Initial Flux	$>2,280\text{lm}(T_j=25)$
Color Temperature	Cool White:5,000~7,000K; Warm White:3,000~4,000K
Average Brightness/luminance	$>1.2\text{cd/m}^2$ (for 6m road) $>1\text{cd/m}^2$ (for 8m road)
LED Life Span	$>50,000$ hrs
Solar Panel	2*40W monocrystalline silicon module
Maintenance Free Battery	1*12V100Ah GEL battery
Solar&Light Controller	Solar&Light hybrid intelligent controller,12V10A ,with automatically time and light setting
Structure Specification	
Pole Height (m)	6m
Lamp Height(m)	5 m
Pole to Pole Distance(m)	25m
Arm Type	Single Arm
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	no
Battery Mounting	Under-ground/On-ground
Pictures	