

GenerPower Solar Lighting System Design Table(GPSS-60W-DIM)

Electrical Specification	
LED Lamp	60W
LED Luminous Efficiency	≥95lm/w
LED Initial Flux	>5,700lm(Tj=25)
Color Temperature	Cool White:5,000~7,000K; Warm White:3,000~4,000K
Average Illuminance	Height=6m,33lux,24*9m Height=8m,22lux,32*12m
Average Brightness/luminance	> 1.6cd/m ² (for 10m road) > 1.3cd/m ² (for 12m road)
LED Life Span	> 50, 000 hrs
Solar Panel	2*80W monocrystalline silcion module
Maintenance Free Battery	2*12V100Ah 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)	30m
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	yes
Battery Mounting	Under-ground/On-ground
Pictures	