



598 Patterson Blvd., Pleasant Hill, CA USA

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Specification for Solar Street Light 28W

Issued on: 1/4/2008

Revised on: 3/10/2010

1. Specs

Optical Specs	Warm White	Cool White
LED Spec & Quantity	28pcs High Powered LEDs	
LED Color Temperature	4,000°K	5,000°K / 8,000°K
Luminaire Efficiency	>90%	
LED Efficiency	>95Lm/W	
Initial Delivered Lumen Tj=25°C	>1258Lm	>1700Lm
Normal Luminous Flux Tj=66°C	>1122Lm	>1564Lm
Illuminance & Scope at 4m	15Lux 14m x 6.5m	22Lux 14m x 6.5m
Illuminance & Scope at 6m	6Lux 21m x 9.75m	10Lux 21m x 9.75m
Color Rendering Index	Ra>75	
Beam Angle	130° / 80°	
Electrical Specs		
Input Voltage & Frequency	AC120-240V 50-60Hz	
Power Factor	>0.93	
Input Current	0.16A (110V) 0.08A (220V)	
Total Power Consumption	18W	
Temperature Specs		
Shell Temperature (Ta=30°C)	51°C (123.8°F)	
Junction Temperature (Ta=30°C)	64°C (147.2°F)	
Shell Temperature Rise (Ta=30°C)	21°C (69.8°F)	
Junction Temperature Rise (Ta=30°C)	34°C (93.2°F)	
Other Specs		
Operating Temperature	-30°C - +45°C (-22°F - +113°F)	
Operating Humidity	10 - 90 RH	
Storage Temperature	-20°C - +45°C (-4°F - +113°F)	
Dimensions	4"H x 8"W x #23"L (102mmH x 205mmW x 583mmL)	
Net Weight	9.5lbs (4.3kg)	
IP Rating	IP65	
Lifespan	50,000 Hours	
Warranty	3 Years	



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Specification for Solar Street Light 56W

Issued on: 1/4/2008

Revised on: 3/10/2010

1. Specs

Optical Specs	Warm White	Cool White
LED Spec & Quantity	56pcs High Power LEDs	
LED Color Temperature	4,000°K	5,000 / 8,000°K
Luminaire Efficiency	>90%	
LED Efficiency	>95Lm/W	
Initial Delivered Lumen Tj=25°C	>2516Lm	>3400Lm
Normal Luminous Flux Tj=66°C	>2244Lm	>3128Lm
Illuminance & Scope at 6m	12Lux 21m x 9.75m	19Lux 21m x 9.75m
Illuminance & Scope at 8m	7Lux 28m x 13m	11Lux 28m x 13m
Color Rendering Index	Ra>75	
Beam Angle	130° / 80°	
Electrical Specs		
Input Voltage & Frequency	AC120-240V 50-60Hz	
Power Factor	>0.93	
Input Current	0.33A (110V) 0.17A (220V)	
Total Power Consumption	36W	
Temperature Specs		
Shell Temperature (Ta=30°C)	51°C (123.8°F)	
Junction Temperature (Ta=30°C)	64°C (147.2°F)	
Shell Temperature Rise (Ta=30°C)	21°C (69.8°F)	
Junction Temperature Rise (Ta=30°C)	34°C (93.2°F)	
Other Specs		
Operating Temperature	-30°C - +45°C (-22°F - +113°F)	
Operating Humidity	10 - 90 RH	
Storage Temperature	-20°C - +45°C (-4°F - +113°F)	
Dimensions	4"H x 8"W x 30"L (102mmH x 205mmW x 755mmL)	
Net Weight	12.3lbs (5.6kg)	
IP Rating	IP65	
Lifespan	50,000 Hours	
Warranty	3 Years	