



**Features**

A highly efficient, all-in-one street light with intelligent dimming dusk-to-dawn. Available in hybrid(mains+solar) or pure solar configurations for remote locations and residential areas aiming for carbon neutrality.

In a hybrid configuration, when the battery storage is insufficient( lower than 9.6V), the luminaire will automatically switch to mains power supply. When the solar power supply restores the voltage, the system will automatically cut off the mains power .

The Controller recognises day and night based on the Solar Array Open Circuit Voltage. This day/night threshold can be modified according to local light conditions and the solar array used, setting range 3.0 ~8.0V

**Electrical Information**

Item No.	HSSL-A-10W	HSSL-A-20W	HSSL-A-30W
Power Consumption(±3W)	10W	20W	30W
Power Supply	Inventronics Constant Current(CC)		
Input Voltage	220-240Vac, 50 / 60 Hz		
Power Factor(PF)	>0.5		<0.9
Surge Protection	6kV line-earth,4kV line-line		
Battery	LiFePo4		
Battery Capacity	76.8Wh-6Ah		
Solar Panel	Monocrystalline		
Solar panel wattage	30W		
Charging Time	>3H		
Operating Time	8 Hours or 3-4 Days when in Sensor Mode		
Solar Charge Controller	PWM		
Control	PIR/4-step Timed Dimming		

**Optical Information**

LED Type/Size	SMD 2835		
Luminous Flux(±10%)	2000lm	4000lm	6000lm
Efficacy(4000K, Ra70)	200lm/W		
Correlated Colour Temperature	4000K(3000K and 5000K Optional)		
Colour Rendering Index	Ra70 (Ra80 Optional)		
Beam Angle	R10801, R10803, R10805		

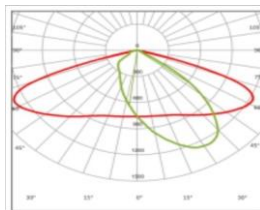
**Packaging and Mounting Options**

Product Size	807x301x148mm
Net Weight	6.0±0.3kg
Carton Size	750x370x195mm
Gross weight	8.2±0.3kg
Mounting Options	Post top/Side Entry Pole Clamp Bracket/Wall Mount
Construction	Aluminium Alloy Polycarbonate Optical Lens
Finish	Powder Coating
Fixture Colour	Silver
EPA	2.56ft <sup>2</sup> /0.23m <sup>2</sup>
Ingress Protection(IP)	IP65

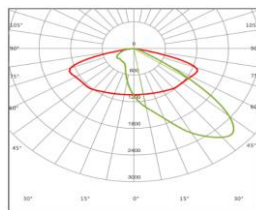
**Lifespan and Warranty**

Operating temperature	-20°C to +50°C
Lifetime of LED Chip @Ta=25°C	L90 31000Hrs L80 64000Hrs L70 101000Hrs
Warranty	5 Years

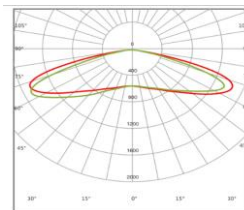
**Photometry**



R10801



R10803



R10805

**Dimensions(Post Top Mounting)**

