



**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-40W	HSSL-A-50W	HSSL-A-60W
Power Consumption(±3W)	40W	50W	60W
Power Supply	Inventronics Constant Current(CC)		
Input Voltage	220-240Vac, 50 / 60 Hz		
Power Factor(PF)	>0.9		
Surge Protection	6kV line-earth,4kV line-line		
Battery	LiFePo4		
Battery Capacity	307.2Wh-24Ah	384Wh-30Ah	460.8Wh-36Ah
Solar Panel	Monocrystalline		
Solar panel wattage	60W		
Charging Time	>6H	>7H	>9H
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%)	8000lm	10000lm	12000lm
Efficacy(4000K, Ra70)	200lm/W		
Correlated Colour Temperature	4000K(3000K and 5000K Optional)		
Colour Rendering Index	Ra70 (Ra80 Optional)		
Beam Angle	R10801, R10803, R10805		

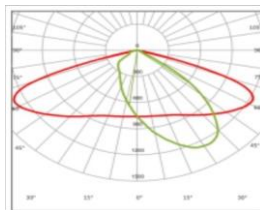
**Packaging and Mounting Options**

Product Size	965x429x187mm		
Net Weight	14.5.0±0.3kg	15.0±0.3kg	15.5.0±0.3kg
Carton Size	1020x520x255mm		
Gross weight	15±0.3kg	16.8±0.3kg	17.3±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			
Ingress Protection(IP)	IP65		

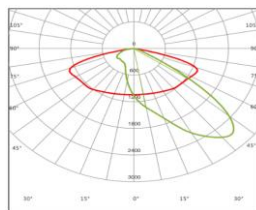
**Lifespan and Warranty**

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

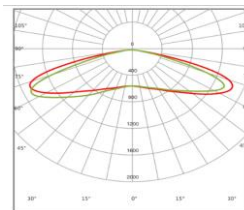
**Photometry**



R10801



R10803



R10805

**Dimensions(Post Top Mounting)**

