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LED SERIES

MARATHON90 LED STREETLIGHT



MARATHON90 is a new, energy-saving street light product that utilizes 90 high-power LEDs as a light source. It can be directly connected with a 100-240V AC power supply. In the LED color spectrum, there is no ultraviolet light, no infrared rays, no heat, and no radiation produced. As a result, MARATHON 90 is a conventional "green" lighting source. The lamp casing is made of aluminum alloy through die-casting. The lamp cover material uses high quality toughened glass, which is highly lucent, dust proof and waterproof. The whole set uses stainless steel fasteners. The surface of the product is covered with fluorocarbon powder that is sprayed on in electrostatic spraying manner, resulting in a good self-cleaning property. The product is safe, reliable, and has low energy-consumption and a long life span. It is especially suitable for use in public places such as open squares, streets and roads just to name a few.

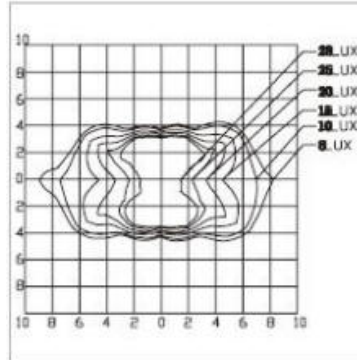
MARATHON SOLAR 90 is a more eco-friendly product by utilizing solar energy as a resource. The whole set uses stainless steel fasteners.

MARATHON90 with Light & Time control (AST) is an additional function. LED street light can lighten on and extinguish automatically according to

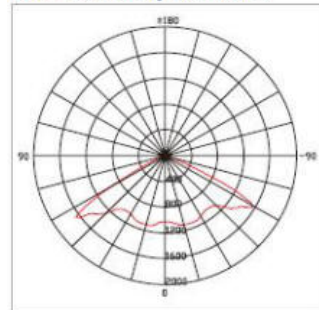
the light sensor,when the illuminance gets lower than 13 LUX, the light comes on;otherwise,it keeps extinct. When the illuminance gets higher than 50 LUX, the light goes off. It needs 5 minutes in the process of on and off switching. In the early 6 hours working time, the light shines at its maximum power, and in the late 4 hours, the light shines at its half power.

The above function just can be set according to the customers' requests in the factory, and customers cannot set it themselves.

Plane iso-illuminance curve:



Luminous Intensity Distribution:



Technical Specifications

	STR2020-000	STR2020-100 STR2020-101
MODEL		
Type	MARATHON90 Head Unit	MARATHON 90 (Single Head)
Light source	90x1W high power LEDs	
Color temperature	2000K±200K; 6500K±500K	
Luminous flux	5860Lm	
Average Illumination	22Lux/7m	
Area of Illumination	±10.5m	

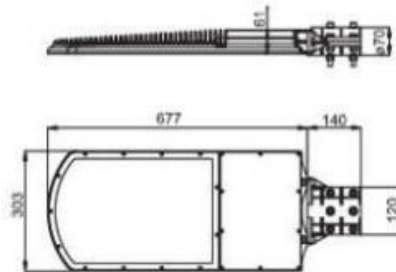
Input voltage,frequency	100-240V AC, 50/60Hz	
LED operating current	24V DC	
Total LED power	114W	
Installation tube diameter	Ø60mm (Max.)	NA
Peak wattage of solar module	NA	
Working Environment	-30°C-+40°C	

STR2020-101

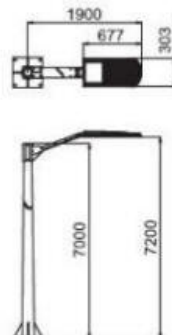
Note

The Auto Switching Technology(AST) sensor is located on the adjoining bracket between the pole coupler and the LED fixture.
 AST works by Auto Switching "turning on" the High Power LED Street Light when the luminance of sunlight is lower than 13 LUX and off again when a LUX factor greater than 13 is sensed.
 AST=Automatic Switching Technology

Dimensions of Framework



STR2020-000



**STR2020-100
STR2020-101**

DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.