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LED SERIES

MARATHON 180 LED STREETLIGHT



MARATHON 180 is a new, energy-saving street light product that utilizes 180 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 180 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 180 with Light & Time control (AST) is an additional function. LED street light can turn on and turn off automatically according to the light sensor, when the illuminance gets lower than 13 LUX, the light comes on; otherwise, it keeps it off. 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.

Comparing Data	MARATHON 180W LED Street Light	400W High-pressure Sodium (HPS) Street Light
Total Luminous Flux (lm)	11,058 lm	14,400 lm
Average Illumination (lux)	21 lux	21~25 lux
	12m (40 ft)High	12m (40 ft)High
Total Power Consumption (W)	220 W	600 W

MARATHON 180W LED Street light comparing with CIE Standards Data

Expressway and traffic arterial roadway	CIE Standard	180w Street light (High 12 meter (40 ft))
Average Illumination (lux)	20/30	>21
Uniformity	0.4	0.48





Technical Specifications

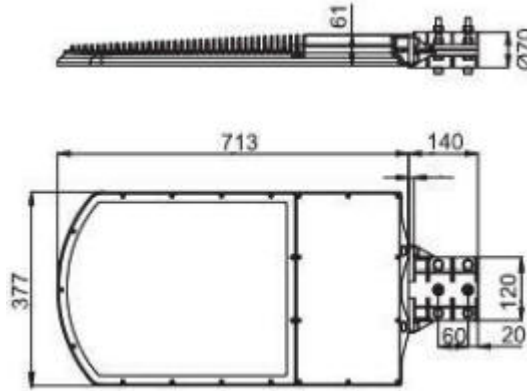
	STR2022-000ABC	STR2022-100ABC	STR2022-200ABC
MODEL	STR2022-000ABC	STR2022-101ABC	STR2022-201ABC
Type	MARATHON180(Head Unit)	MARATHON 180 (Single Head)	MARATHON 180 (Double Head)
Light source	180 1W high power LED	180 1W high power LED	180 1W high power LEDx2
Color temperature	2000K±200K; 6500K±500K		
Luminous flux	SEE ABOVE		SEE ABOVE
Average Illumination	SEE ABOVE		
Area of Illumination	SEE ABOVE		
Input voltage	100-240V AC,50/60Hz		
LED operating current	24V DC		
Total LED Power	200W		200Wx2
Installation tube diameter	Ø60mm (Max.)	NANA	
Working Environment	-30°C-+40°C		

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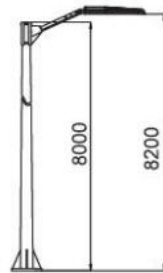
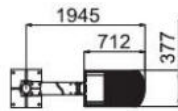
Note

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

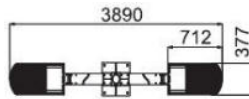
Dimensions of Framework



STR2022-000ABC



**STR2022-100ABC
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DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.