



## FUTEK - LED STREET LIGHTING 100 W

Parameter	Description	ST Luminaire
<b>Marking</b>	1- Mark of origin (Trademark)	
	2- voltage range	
	3- Rated Wattage ( W )	
	4- Rated frequency ("Hz")	
	5- Rated Luminous flux (lm)	
<b>Working voltage</b>	Voltage AC	<b>100~260 V 50 Hz</b>
<b>Lamp Power</b>	The initial power consumed by each individual LED lamp in the measured sample shall not exceed the rated power by more than 10%. The average of Initial power consumed by the LED lamps in the measured sample shall not exceed the rated power by more than 7.5 %	<b>100 W</b>
<b>Displacement Factor (Power factor)</b>	The measured power factor for each individual fixture of the sample shall not be less than the marked value by more than 0.05	<b>&gt; 0.95</b>
<b>Lumen Flux</b>	The initial luminous flux of each individual LED lamp in the measured sample shall not be less than the rated luminous flux by more than 10 The average initial luminous flux of the LED lamps in the measured sample shall not be less than the rated luminous flux by more than 7.5%	<b>&gt;11000 Lm</b>
<b>Efficacy</b>	For all Tested units in a sample, the LED chip efficacy $\geq 80$ %	<b>110 Lm/w</b>
<b>Color Temperature ( TC )</b>	The measured value shall not move beyond the values indicated by the manufacturer. The measured values shall be of the same category as tile provided values or better All the LED lamps in the sample shall pass the test Note 1:. The lower limit of luminous flux is 80% of the initial. (80 )	<b>6500 K</b>
<b>Color Rendering Index (CRI) -Ra</b>	For all tested units in a sample, 'the measured CRI values shall not decrease by more than :- 3 points from the rated CRI value for initial CRI values, 5 points from the rated CRI values for maintained CRI values	<b>&gt;80</b>
<b>Lamp Life ( Lx )</b>	is the length of time during which an LED lamp provides at least claimed percentage of the initial luminous flux under standard conditions (L70 ) ( B20 )	<b>50000 h</b>
<b>OVP</b>	Surge protection Class #	<b>6 KV</b>
	Over voltage protection >260 V A/C up to 420 V A/C with auto reset technology	<b>260 ~ 420 V A/C</b>
<b>Driver</b>	With Thermal protection	<b>Yes &gt;95 C</b>
	EMC Pass & certification CTS – CGZ 2170119-0023	<b>Yes CE</b>
	IP 66	<b>Yes</b>
<b>Working Environment</b>	Temperature	<b>-10 ~ +40 °C</b>
	Humidity	<b>10 % - 90 %</b>
<b>Beam angle</b>	Degree	<b>&gt; 120 degree</b>
<b>IP</b>	Degree of Protection	<b>66</b>
<b>Dimmable</b>	Energy Saving More Than 35 %	<b>Dimming</b>
<b>Body of luminaire</b>	Aluminum Alloy die cast with nano tech Paint	<b>Yes</b>

According to IEC 61000-3-2& IEC 60081 – IEC 60598 – IEC 62504 – IEC62612 – IEC 60529