



FUTEK - LED FLOOD LIGHT 100 W

Technical Specs

Parameter	Description	FUTEK FLD Luminaire
	2- voltage range	
	3- Rated Wattage (W)	
	4- Rated frequency ("Hz")	
	5- Rated Luminous flux (lm)	
Working voltage	Voltage AC	100~260 V 50 Hz
Power	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 %	100 W
Displacement Factor (Power factor)	The measured power factor for each individual fixture of the sample shall not be less than the marked value by more than 0.05	> 0.95
Lumen Flux	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%	11000 Lm
Efficacy	For all Tested units in a sample , the LED chip efficacy ≥ 80 %	110 Lm/w
Color Temperature (TC)	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)	6500 K
Color Rendering Index (CRI) -Ra	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	>80
Lamp Life (Lx)	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)	50000 h
OVP	Surge protection Class #	6 KV
	Over voltage protection >260 V A/C up to 430 V A/C with auto reset technology	265 ~ 430 V A/C
Driver	Thermal Management	Yes >95 C
	EMC Pass & certification CTS – CGZ 2170119-0023	Yes CE
	IP 66	Yes
Working Environment	Temperature	-10 ~ +60 °C
	Humidity	10 % - 90 %
Beam angle	Degree	> 120 degree
IP	65 for Luminaire	65
Body of luminaire	Aluminum Alloy die cast with nano tech Paint	Yes