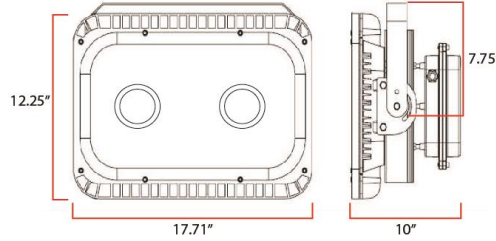


200W EPISTAR LED Floodlight with Power Supply 24V DC

Model: OU-FL-200-24K

Features:

- Cool white 6000 – 6500K
- Epistar LED (45°x45μ)
- Luminous Flux: 14000m ± 5%
- 24V DC
- Beam Angle: 120°
- Black Color Casing



POWER 350W Switching Power Supply Model: NES-350-24

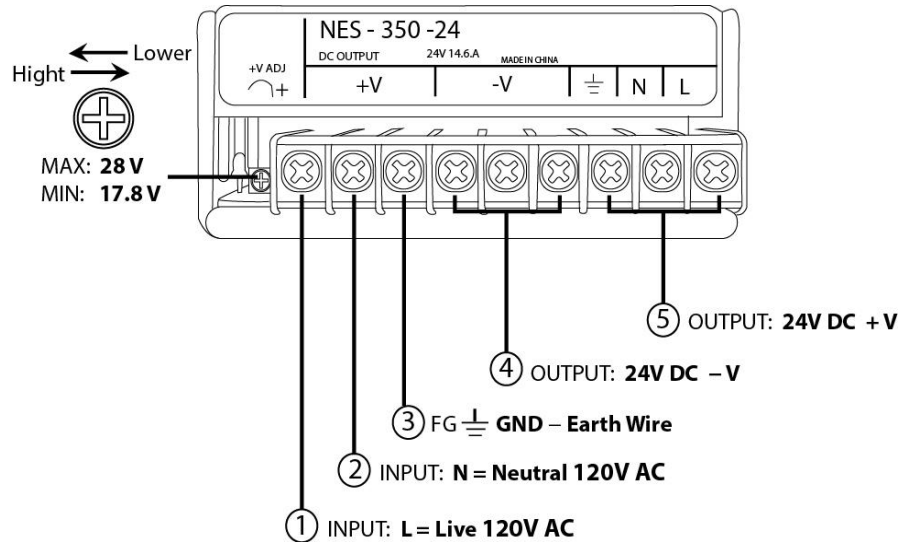
* Steel Enclosure Box Not Includes.

Features:

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Forced air cooling by build-in DC fan
- LED indicator for power on
- 100% full load burn-in test
- Withstand 300VAC surge input for 5 second
- Built-in cooling Fan ON-OFF control
- Built-in constant current limiting circuit
- Fixed switching frequency at 90KHz
- Low cost, high reliability

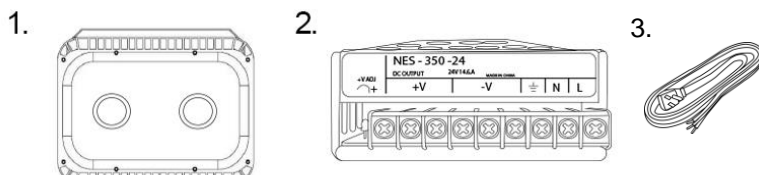


Panel Diagram:



Package Contents:

1. One (1) 70W LED EPISTAR Floodlight
2. One (1) NES-350-24, 350W Switching Power Supply
3. One (1) 6ft Power Cord



WARNING!!!
Turn the power OFF at the circuit breaker before installing the Floodlight.

⚠ Caution:

- Make sure that the power has been turned OFF at the circuit breaker.
- Connect wires as shown in the panel diagram that is appropriate to the switching power supply.
- Check to make sure that all the fixture connections have been properly made and the fixture is grounded to avoid potential electrical shocks.
- Do not connect this device to any power source other than the specified power.
- The switching power supply unit is not waterproof and should only be used indoors.
- Do not handle the unit with wet hands, when standing on wet or damp surfaces, or in water.
- To prevent electrical shock, and hazard, please do not expose the unit to rain or moisture when installing.
- **Product must be installed by a Licensed Electrician.**

Specification:

Floodlight	
Model	FL-200-24
Voltage Input	24V DC
Power	200 W
LED Chip	Epistar (45*45μ)
Light Output - Luminous Flux (lm)	14000m ± 5%
Beam Angle	120°
Protection Grade	IP65
Actual Light Temperature (K)	Cool White 6000 – 6500 K
Sensor (PIR)	No
CRI	RA 70 - 75
Efficiency	>90%
Working Temperature	-40°C ~ + 55°C / 10% ~ 65% RH
Storage Temperature	-25°C ~ + 65°C
Power Cord	0.75 mm ² (Three-core double insulated cable), 0.5M length
Weight	22 Lbs

Switching Power Supply	
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Model		NES-350-24
Output	DC Voltage	24V
	Rated Current	14.6A
	Current Range	0 ~ 14.6A
	Rated Power	350.4W
	Ripple & Noise (Max.) *Note.2	150m Vp-p
	Voltage ADJ. Range	17.8 ~ 28V
	Voltage Tolerance *Note.3	±1.0%
	Line Regulation *Note.4	±0.5%
	Load Regulation *Note.5	±0.5%
	Setup, Rise Time	1000ms, 50ms/230VAC 1000ms, 50ms/115VAC at full load
Hold Up Time (typ.)	20ms/230VAC 16ms/115VAC at full load	
Input	Voltage Range	90 ~ 132VAC / 180 ~ 264VAC by switch 254 ~ 370VDC
	Frequency Range	47 ~ 63Hz
	Efficiency (typ.)	87%
	AC Current (typ.)	7A/115VAC 4A/230VAC
	Inrush Current (typ.)	40A/115VAC 60A/230VAC
	Leakage Current	<3.5mA / 240VAC
Protection	Overload	105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed
	Over Voltage	27.6 ~ 32.4V Protection type : Shut down O/P voltage, re-power on to recover
	Over Temperature	90°C ± 5°C (3.3 ~ 7.5V); 85°C ± 5 °C (12 ~ 15V); 80°C ± 5°C (24V); 75°C ± 5°C (27 ~ 48V) (TSW1) Detect on case
		Protection type : Shut down O/P voltage, recovers automatically after temperature goes down
Function	Fan ON/ OFF Control (typ.)	RTH2 ≥ 50°C FAN ON, ≤ 45°C FAN OFF (3.3 ~ 7.5V) RTH2 ≥ 55°C FAN ON, ≤ 50°C FAN OFF (12 ~ 48V)
		-20 ~ +60 °C (Refer to output load derating curve)
Environment	Working Temp.	-20 ~ +60 °C (Refer to output load derating curve)
	Working Humidity	20 ~ 90% RH non-condensing
	Storage Temp., Humidity	-20 ~ +85 °C , 10 ~ 95% RH
	Temp. Coefficient	±0.03%/ °C (0 ~ 50 °C)
	Vibration	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes
Safety & EMC (note 6)	Safety Standards	UL60950-1 approved
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25 °C / 70% RH
Others	MTBF	234.3Khrs min. MIL-HDBK-217F (25°C)
	Dimension (L x W x H)	8.46 x 4.52 x 1.96 Inch / 215 x 115 x 50 mm
	Weight	1Kg; 12pcs/13.5Kg/0.92CUFT

Note

1. A parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Please connect positive pole of input voltage with mark "N" of terminal block, connect negative pole of input voltage with mark "L" of terminal block, using DC voltage for input voltage.

*Specifications are subject to change without notice.