

traxon



LED Engine Smart 150W Indoor



A universal AC input Power Supply Unit (PSU), equipped with TX Connect indoor ready connector. The LED Engine Smart 150W Indoor is a slim, fanless power supply that ensures high reliability in any LED lighting application.



INDOOR

ORDERING

Model No.	Description	Item Code
PS.IC.0010000	LED Engine Smart 150W 24V Indoor	AA5571301HA

OUTPUT SPECIFICATIONS

- **Power Interface:** TX Connect Smart Indoor
- **DC Voltage:** 24V
- **Rated Current:** 6.3A
- **Rated Power:** 151.2W
- **Ripple & Noise (max.):** 150mVp-p
- **Voltage Tolerance:** $\pm 1.0\%$
- **Line Regulation:** $\pm 0.5\%$
- **Load Regulation:** $\pm 0.5\%$
- **Setup, Rise Time (max.):** 3000ms, 80ms at full load 230VAC/115VAC
- **Hold Up Time (typ.):** 50ms / 230VAC; 16ms / 115VAC at full load

INPUT SPECIFICATIONS

- **Data Interface:** IEC C14 line plug
- **Voltage Range:** 100 ~ 280VAC
- **Frequency Range:** 47 ~ 63Hz
- **Power Factor (typ.):** PF ≥ 0.95 /230VAC; PF ≥ 0.98 /115VAC at full load and rated output voltage
- **Efficiency (typ.):** 90%
- **AC Current (typ.):** 2A / 115VAC; 1A / 230VAC
- **Inrush Current (typ.):** COLD START 65A / 230VAC
- **Leakage Current (typ.):** < 2mA / 240VAC

PROTECTION

- **Over Current:** 100 ~ 110% rated output power (Constant current limiting, recovers automatically after fault condition is removed)
- **Over Voltage:** 28 ~ 34V (Shut down and latch off output voltage, re-power on to recover)
- **Over Temperature:** 100°C \pm 10°C / 212°F \pm 50°F (RTH2) (Shut down output voltage, re-power on to recover)

ENVIRONMENT

- **Working Temperature:** -30°C ~ +55°C / -22°F ~ +131°F @ full load; +70°C / +158°F @ 60% load
- **Working Humidity:** 20 ~ 90% RH non-condensing
- **Storage Temperature; Humidity:** -40°C ~ +80°C / -40°F ~ +176°F; 10 ~ 95% RH
- **Vibration:** 10 ~ 500Hz, 2G 10min./cycle, period for 60min. each along X, Y, Z, axes

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10/15 V1.5

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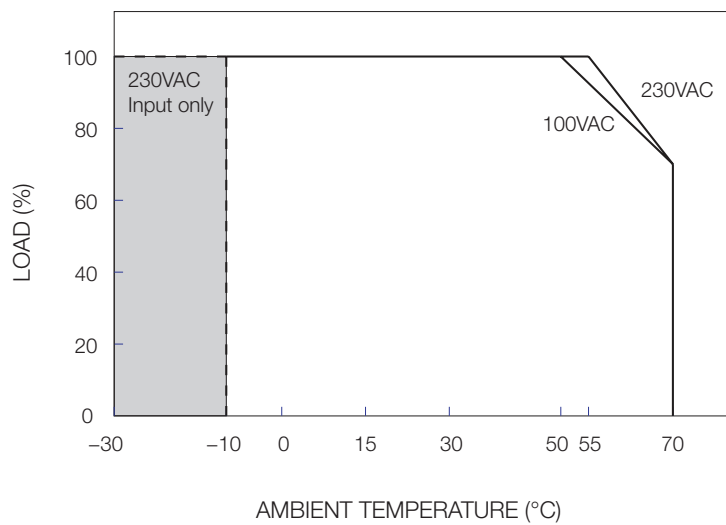
SAFETY & EMC

- **Safety Standards:** UL approved, TUV approved, EN61347-1, EN61347-2-13, EN60950-1
- **EMI Conduction & Radiation:** Compliance to EN55015 FCC PART 15 Subpart B
- **Harmonic Current:** Compliance to EN61000-3-2
- **EMS Immunity:** Compliance to EN61547, EN61000-3-3

OTHERS

- **MTBF:** 303.7khrs min. MIL-HDBK-217F (25°C / 77°F)
- **Dimension:** 222mm x 68mm x 39mm / 8.7" x 2.7" x 1.5"
- **Cables:** 300mm/11.8" 18AWGx3C AC input cable; 300mm/11.8" 18AWGx2C DC output cable
- **Packing:** 1kg / 2.2lbs

DERATING CURVE



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Dimensions

TECHNICAL DRAWING

Power Supply

