

## Specification of LEIT8-36W1200EF 277V HO (High Lumen Output)

### Product Images



### LED T8 Tube/Driver Set

|                         |                                    |
|-------------------------|------------------------------------|
| Model Number            | LEIT8-36W1200EF-277V (2 tubes)     |
| Driver Model Number     | LEI-DR-44WT4X                      |
| Length                  | 1200mm x D26mm                     |
| Power Consumption       | 36W                                |
| Power supply            | External driver                    |
| Brand / the size of LED | Epistar / SMD2835 led chip         |
| SMD LED                 | 120                                |
| Input voltage           | AC100-277V                         |
| Frequency               | 50/60Hz                            |
| Efficiency              | 130~140LM/W                        |
| CRI                     | >70/>80                            |
| PF                      | >0.95                              |
| THD                     | <20%                               |
| CCT                     | 2700-7000K                         |
| PC Cover                | Frosted                            |
| Beam Angle              | 120 degree                         |
| End cap                 | G13                                |
| Certificate             | DLC/cULus/CE/SAA                   |
| Total Lumens            | 4920@3000K; 5040@4000K; 5280@5000K |
| Warranty                | 5 years                            |

## Driver Features

- 1) 4 Channels Output (9Wx4)
- 2) Universal AC input / Full range (100-277V)
- 3) Built-in active PFC function
- 4) Protection: Short circuit / Over voltage
- 5) Class2 power unit
- 6) Three in one dimming function (1-10Vdc or PMM or resistance)
- 7) Suitable for dry / damp locations
- 8) 100% full load burn-in test
- 9) High Efficiency: 88% - 90% (typical)
- 10) 5 years warranty

## Driver Specification

| Model        |                            | LEI-DR-44WT4X  |
|--------------|----------------------------|--|
| Output       | DC Voltage                 | 42 V   |
|              | Constant Current Region    | 26 - 41.5 V  |
|              | Rated Current              | 0.260 x 4A   |
|              | Rated Power                | 44 W   |
|              | Ripple & Noise (max.)      | 200 mV p-p   |
|              | Voltage Tolerance          | ± 10%  |
|              | Line Regulation            | ± 0.5%   |
|              | Load Regulation            | ± 1%   |
|              | Setup, Rise Time           | 2000ms, 200ms / 115VAC at full load; 800ms, 200ms / 277V AC at full load                                       |
|              | Hold Up Time (typical)     | 16 ms at full load   |
| Input        | Voltage Range              | 100 - 277V AC  |
|              | Frequency Range            | 47 - 63 Hz   |
|              | Power Factor (typical)     | PF > 0.95 at full load   |
|              | Efficiency (typical)       | 90%  |
|              | Accurrent at 44W (typical) | 0.17A  |
|              | Inrush Current (typical)   | Cold start 75A at 277V AC  |
|              | Leakage Current            | < 0.75 mA at 277V AC   |
| Protection   | Over Circuit               | 95 -110%<br>Protection type:Constant current limiting, recovers automatically after fault condition is removed |
|              | Short Circuit              | Hiccup mode, recovers automatically after fault condition is removed   |
|              | Over Voltage               | 42.4 - 48V<br>Protection Type: Shutdown output voltage, re-power on to recover                                 |
| Environment  | Working Temperature        | -40°C ~ +60°C  |
|              | Working Humidity           | 20 - 95% RH non-condensing   |
|              | Storage Temperature        | -40°C ~ +80°C  |
|              | Storage Humidity           | 10 - 95% RH  |
|              | Temperature Coefficient    | ±0.03% / °C (0~50°C)   |
|              | Vibration                  | 10-500 Hz, 2G 12 min./cycle, period for 72min. Each along X, Y, Z axes   |
|              | Safety Standards           | Design refer to UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13, UL60950-1, TUV EN60950-1              |
| Safety & EMC | Withstand Voltage          | I/P - O/P: 3.75KVAC 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   |
|              | EMC Emission               | Compliance to EN55015, EN61000-3-2 Class C; EN61000-3-3  |
|              | EMC Immunity               | Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, EN55024, light industry level (surge 4KV), criteria A   |
| Others       | MTBF                       | 300Khrs min. MIL-HDBK-217F (25°C)  |
|              | Dimension                  | 241 x 49 x 31.4mm (L/W/H)  |