



MAIN FEATURES:

- ELCAP free
- Mains harmonics: acc. to EN61000-3-2 Class-C
- Safety: according to EN60950
- EMI: EN50022 CLASS B
- ST Microelectronics components: L6562AT, L6599AT an TS2431
- Output rail is protected against short-circuit.
- DIMENSIONS : 75x135mm H=30mm max

APPLICATION

- A 130W Demo Board tailored on a LED power supply specification for **STREET LIGHTING** .The board is designed to operate in voltage regulation.

TOPOLOGY

- 2 stages: PFC Boost TM & Half-Bridge ZVS (LLC)

TECHNICAL SPECIFICATIONS

Supply voltage	85-305	Vac
Frequency	45-55	Hz
Power Factor	0.97 (full load)	
Efficiency	90% min (full load at 115Vac)	
Output voltage	48±1	Vdc
Max output current	2.7A	Adc
Primary to secondary insulation	4	kV
Surge rejection	Surge Test 2.5kV	

MAGNETICA components

Code	Description	Qty
4658	PFC Inductor 520uH 1.8A	1
5175	Common Mode Inductor 2x18mH 1.8A	1
4652	Resonant Switch Mode Transformer 130W 100kHz	1
4725	Differential Mode Inductor 3uH 5A	1