

# LET-301DC-240V/12V New Version

# SPECIFICATIONS

### VDE File Numbers

VDE and VDE-EMV approved  
Transformer meets all CE standards

### Available Versions

901301240-240V Version

### Mechanical and Thermal

Approx. weight	1000 grams
Ta Max	45°C
Tc Max	80°C
Color	White
Shape	Round
Diameter Housing	147.5mm
Inner diameter	141mm
Diameter of center hole	17.5mm
Height	78.4mm
PC casing	



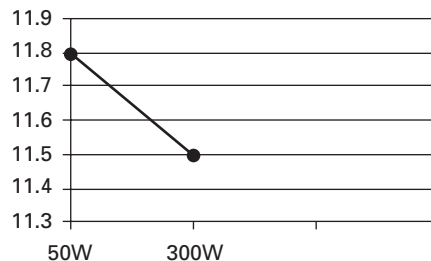
### Electrical

Maximum load	300w
Minimum load without dimmer	50w
Minimum load with dimmer	75w
Input	230-240V 50/60Hz
Output at max load	11.5V DC
Input current at max. load	1.25-1.3A
Output current at max. load	25A
Power factor	0.999
Max. harmonic distortion at full load	4%
Dimmable with leading and trailing edge dimmers	
EMC up to 12m as per EN55015	
Safety as per EN 61046	

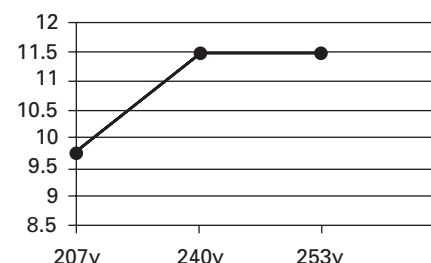
### Dimming

Transformer is virtually noiseless when operating with most types of dimmers. Transformer furthermore does not create any noise in filaments during dimming when operating with most types of dimmers down to 20% of maximum light output. We recommend that transformer is switched on in maximum light position.

### Output Voltage vs. Load



### Output vs. Input at Max. Load



### Protection

- Short Circuit Protection:** Highly sensitive manually resettable electronic short circuit protection to meet standards for open conducted systems. Detection time below 1 msec. Will shut off short circuit caused by 34AWG wire @ min load @ 12m.
- Overload Protection:** The overload starts at 25A and regulates output current to 23A for any overload condition above 300W.
- Thermal Protection:** Self dimming if ambient temperature next to transistors moves above 85°C.

