

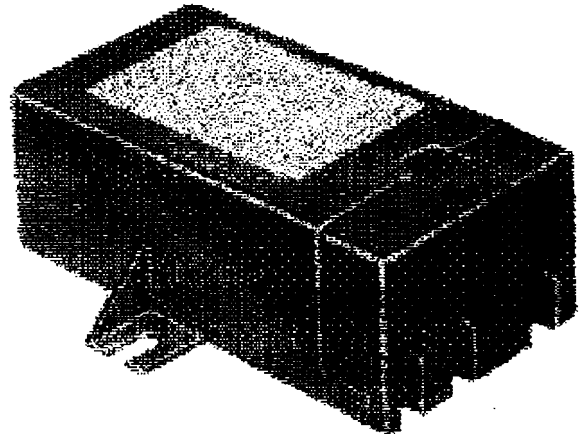
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**LITETRAN**

## **LITETRAN 50 WATT ELECTRONIC TRANSFORMER FOR LOW VOLTAGE LIGHTING**

### **FEATURES:**

- ☐ **SMALL SIZE (39 X 28 X 74MM)**
- ☐ **LIGHTWEIGHT: - 1/10TH WEIGHT OF CONVENTIONAL TRANSFORMER**
- ☐ **ROBUST CONSTRUCTION USES LATEST SURFACE MOUNT TECHNOLOGY**
- ☐ **INTEGRAL TERMINAL COVER**
- ☐ **SUPPRESSED TO BS, FCC AND VDE STANDARDS**
- ☐ **INPUT TERMINALS ACCEPT 2 X 1.5MM WIRE**
- ☐ **SOFT START CIRCUITRY IMPROVES LAMP LIFE**
- ☐ **OUTPUT PROTECTED AGAINST SHORT OR OPEN CIRCUITS**
- ☐ **DESIGNED TO MEET I.E.C. AND OTHER SAFETY STANDARDS**
- ☐ **100% BURN-IN AND TEST**
- ☐ **EASILY MOUNTED USING FIXING LUGS ON CONDUIT BOX CENTRES**
- ☐ **FUSED FOR SAFETY**
- ☐ **DESIGNED BY U.K.'S LEADING ELECTRONIC POWER SUPPLY MANUFACTURER WITH BS APPROVED QUALITY CONTROL**

### **ELECTRONIC 50 WATT**



**MODEL 5062**

### **COST SAVINGS**

In some installations one 50 Watt lamp with reflector can replace a 150 Watt PAR 38 lamp. In stores with hundreds of these lamps the running cost savings can be significant.

### **WHY LOW VOLTAGE LIGHTING?**

Low voltage lighting is being increasingly used for display lighting and is specified by architects recognising the importance of lighting in building design. 12 volt lamps are considerably more compact and robust than their 240 volt equivalents. Types with a dichroic reflector have a focused beam with over 60% of the heat being transmitted through the back of the lamp. The lamps generally are easier to focus, have a typical 3000 hour life and have a pleasing colour temperature.

### **WHY ELECTRONIC TRANSFORMERS?**

Conventional transformers in roof voids can be excessively heavy, also because of the higher currents demanded by 12 volt lamps, it is desirable to mount the transformer close to the lamp to reduce cable voltage drop. Small, lightweight electronic transformers overcome both these problems.

**50 WATTS**

**240V MAINS  
ORDER CODE  
5062**

## SPECIFICATION

**SIZE:** Length 74mm including terminal cover  
Height 28mm  
Width 39mm (61mm including removable fixing lugs)

**FIXINGS:** Slotted lugs on side of unit suitable for M4 or No. 6 screw on 50mm centres.  
Optional M4 nylon stud for end mounting.

**WEIGHT:** Approx 99gms.

**INPUT:** 240V nominal, 264V max 50/60Hz

**OUTPUT VOLTAGE:** 11.8 V R.M.S. nominal\* (240V input 50 Watts output)  
\*Optimum Voltage for 12V Halogen Lamps-As recommended by manufacturers for long lamp life.

**EFFICIENCY:** Approx 94%

**CONNECTIONS:** Screw terminal blocks (input will accept 2 x 1.5mm wires)

**POWER RANGE:** 20 to 50 Watts lamp load.

**STORAGE TEMP:** -10 degrees C to +85 degrees C

**OPERATING TEMP:** 0 degrees C to 80 degrees C measured on top centre of case.

**SUPPRESSION:** Meets the requirements of EN5502.

### NOTES:

**DIMMING:** Model 5062 may be dimmed with hard-fired, usually professional dimmers.  
Domestic dimmers are generally unsuitable.

**OUTPUT VOLTAGE:** The output of the 5062 is a complex waveform. Accurate measurement may only be made with a true R.M.S. voltmeter.

**OPEN CIRCUIT OUTPUT VOLTAGE:** The measured output of the 5062 with no bulb connected is substantially lower than on load.

**START-UP:** At switch-on from cold, the soft start circuitry may prevent the lamp from attaining full brightness for a few seconds.

**INSULATION TESTING:** It is advisable not to test an installation with electronic transformers connected as damage may result from the high voltages produced by some types of test equipment.

**INPUT VOLTAGE:** Electronic transformers are vulnerable to abnormally high input voltage transients either mains borne or caused by wiring in the vicinity of high inductance loads. 5062 is particularly robust in this respect but care should be exercised to avoid hostile situations.

**TEMPERATURE:** Case temperature, measured on the top surface, must not exceed 80 C at the maximum expected ambient temperature. Consequently care must be exercised to ensure that hot lamps near to the transformer do not cause overheating and that adequate ventilation is provided.

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**FUTURE IMPROVEMENTS MAY CHANGE THE SPECIFICATION WITHOUT PRIOR NOTICE (JULY 1995)**

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