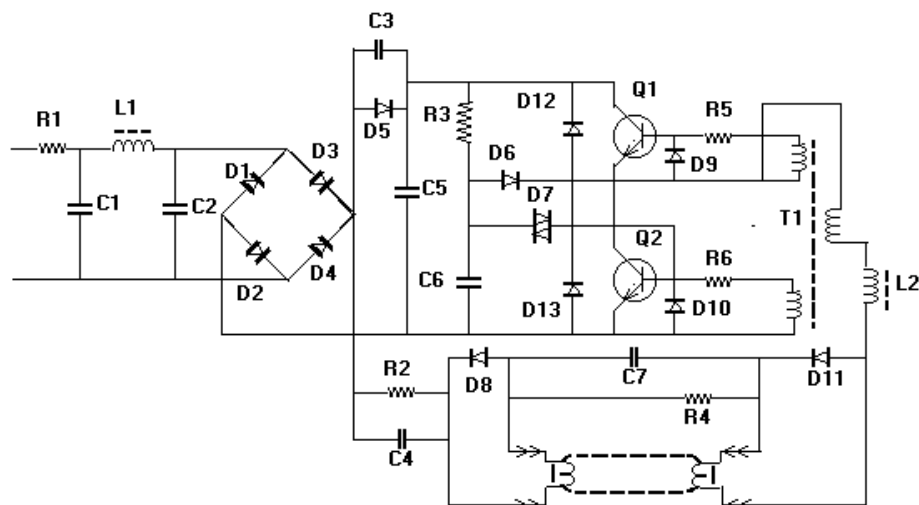


Model  
ES, ET, ESBX, E4P, E4F  
32W Low power factor

### SCHEMATIC ELECTRONIC BALLAST



|    |                                           |     |                             |
|----|-------------------------------------------|-----|-----------------------------|
| R1 | .047 ohm ½ w Fuse resistor, Type RF-73B2A | D1  | In4004 fast recovery diode  |
| R2 | 200k ohm ¼ w carbon resistor              | D2  | In4004 fast recovery diode  |
| R3 | 200k ohm ¼ w carbon film resistor         | D3  | In4004 fast recovery diode  |
| R4 | 470k ohm ¼ w carbon film resistor         | D4  | In4004 fast recovery diode  |
| R5 | 7.5 ohm ¼ w carbon film resistor          | D5  | none                        |
| R6 | 7.5 ohm ¼ w carbon film resistor          | D6  | In4004 fast recovery diode  |
| C1 | 0.047 μF 400v polyester cap.              | D7  | DB3 diac                    |
| C2 | 0.047 μF 400v polyester cap.              | D8  | FR105 Fast Recovery Diode   |
| C3 | none.                                     | D9  | FR105 Fast Recovery Diode   |
| C4 | 0.047 μF 400v polyester cap.              | D10 | FR105 Fast Recovery Diode   |
| C5 | 33 μF 250v electrolytic cap.              | D11 | FR105 Fast Recovery Diode   |
| C6 | 0.1 μF 50v monolithic ceramic cap.        | D12 | FR105 Fast Recovery Diode   |
| C7 | 9100 PF 1kv polyester cap.                | D13 | FR105 Fast Recovery Diode   |
| C8 | none                                      | L1  | 22.5 mH filter choke        |
| C9 | none                                      | L2  | 63 mH inductor              |
|    |                                           | Q1  | Sec 13005 transducer        |
|    |                                           | Q2  | Sec 13005 transducer        |
|    |                                           | T1  | 3/3/3 base drive transducer |