

Description/Specification of Energy Efficient FTL Fitting Suitable For T-5 Lamps-

Energy Efficient Fluorescent Tubelight (EEFTL) fitting, box type, shall be complete with electronic ballast and lamp holders duly wired, ready to use, suitable for specified nos. of T5-28W Energy Efficient Tubular Fluorescent Lamps of pre-heated cathode type to be operated on 230V,50 Hz single phase AC supply. The fitting shall conform to IS:10322 (Pt.1 & Pt.2)/1982(Reaffirmed2005), IS:10322 (Pt.3& Pt.4)/1984(Reaffirmed 2005) and IS:10322 (Part 5Section1)/1985 (Reaffirmed 2005).

The Electronic Ballasts shall conform to the Specification as "Energy Efficient Electronic Ballasts shall be suitable for Energy Efficient Tubular Fluorescent Lamp of pre-heated cathode type for use on 230V,50 Hz, single phase AC supply and shall conform to the following requirements and to IS: 13021(Part-1 & Part-2)/1991(Reaffirmed in 2000) with power consumption as stated and current consumption as declared by the manufacturer. The Ballast shall satisfy all requirements at rated Voltage.

T5 lamps for which ballasts are to be used will conform to data sheet no. 60081-IEC-6520-4 for 14-watt lamp & data sheet no.60081-IEC-6640-4 for 28-watt lamp respectively in IEC no. 60081/2005.The Ballast shall be 27mm X 27mm Max.(Width X Height)& U slots for fixing on both side along length to allow fixing of screws at 360 mm (+/-) 2mm.

The fitting shall be made from 0.50mm thick CRCA Steel sheet duly stove enamelled or powder coated.

The reflecting surface shall be in white colour. The wiring shall be of Class I and Enclosure IP-20. The lamp holders shall conform to IS:3323/1980 with amdt No.1(Reaffirmed 2002).