

TECHNIAL PARAMETERS FOR LED FITTINGS

S. No	Technical Parameters	Recommended requirement
1	Efficiency of LED light fitting (Efficiency)	Min 95 Lumens / Watt.
2	Life of LED light fitting	Not less than 50000 burning Hours
3	Approved make for LED	Nichia / Cree / Osram / Philips (Lumiled)/share/Seoul. (SEE NOTE BELOW)
4	CRI (colour Rendering Index)	Min 80 for indoor applications and min 70 for outdoor applications.
5	THD (Total Harmonic Distortion)	Less than 10%
6	Type of Housing	Extruded aluminum / Standard alloy housing for indoor applications. High pressure die cast aluminium / Standard alloy for outdoor applications.
7	IP Category	IP 20 or higher for indoor applications and IP 65 or higher for outdoor applications.
8	Surge Protection	Shall be provided conforming to relevant IS standard / IEC 61643-II class – 2 & EN 61643 – II Type – 2.
9	Labeling / identification mark	Manufactures Name / Logo engraved / Embossed on housing / body or Name / Logo on aluminium plate Labels or Name / Logo printed on housing / body
10	Warranty period	5 years warranty from actual date of completion of work on complete luminair including driver / control gear, LED, all accessories etc.
11	Power factor	Equal to 0.95 or More
12	Total Power consumption of fitting.	Not more than 110% of rated capacity of LED light.

Note: An undertaking be obtained from fitting manufacturer regarding confirmation about use of said make LED's in their fittings.

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Correction Nil

Insertion Nil

Omission Nil