

SPECIFICATION OF LED LIGHT FIXTURES

S. No.	Description	Requirement
1	Efficiency of LED light fitting (Efficacy)	Specified in item nomenclature/ SOQ
2	Life of LED light fitting	Not less than 50000 burning hrs.
3	Approved make for LED	CREE/ NICHIA/OSRAM/ LUMILEDS/ SHARP/SEOUL (An undertaking shall be submitted from fitting manufacturer regarding confirmation about use of make of LEDs in their fitting before supply of fittings)
4	CRI	Minimum 80 for Indoor applications and min. 70 for outdoor applications.
5	THD	< 10%
6	Type of housing	Extruded Aluminum / Standard Alloy housing for Indoor applications. High pressure Die Cast Aluminum / 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 or as specified in SOQ
9	Labeling / identification Mark	Manufactures Name / Logo engraved / Embossed on housing / body or Name / Logo on aluminum plate Lables 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 or more than 0.95
12	Total Power consumption of fitting.	Not More than 110% of rated capacity of LED Light.
13	CCT	5700K to 6500K or as specified in SOQ
14	Test reports of luminaire	The luminaire should be tested as per IEC 60598:2002 standards and following test reports should be submitted along with the fittings: Heat Resistance Test, Thermal Test, Ingress Protection Test, Drop Test, Electrical / Insulation Resistance Test, Endurance Test, Humidity Test, Photometry Test (LM 79 Report), LM 80 report.

NOTE: The model numbers specified in SOQ are only for references for the product requirement. The product supplied, must match the SOQ & technical specifications. The technical data sheets shall be arranged for taking approval from AAI before the dispatch of materials.