

TECHNICAL SPECIFICATION

GENERAL LED SPECIFICATION

- o LED should be low power SMD.
- o Light output of minimum 100 Lumens per watt from individual LED.
- o Light extraction efficiency of lamp should be greater than 80%.
- o LED lumen depreciation should not be more than 10% after continuous burning condition for 300 hours or accelerated PWM based overdriven (at 300% current) condition for 100 hours.
- o Illumination distribution pattern should be symmetric with view angle greater than 120 degrees. Symmetry should not deviate more than 15%.
- o CCT of lamp should be in the range of 4500-5000 Degree Kelvin.
- o CRI more than 70
- o Variation in peaks values in relative intensity of spectral power distribution should not be more than 30% of maximum peak value along the visible range.
- o Total thermal resistance between LED substrate and convection cooling plate should be low enough to insure 60 degree of operating temperature.
- o LED should not be over driven and driving current should be in the range to insure linearity in driving current Vs lumen output for +20% of driving current.
- o Lifespan 50,000 hours
- o Warranty 1 year

LUMINAIRE SPECIFICATION

Technical parameter	Dome light	Tube light	Panel light
Operating voltage	180-285 V AC	180-285 V AC	180-285 V AC
Power rating	24 Watt	18 Watt	36 Watt
Housing material	Powder coated metal	Aluminum	Powder coated metal
Driver efficiency	>85%	>85%	>85%
Diffuser	Milky white	Milky white	Diffused translucent
Driver location	Internal with insulated cover	Internal with insulated cover	Internal with insulated cover
Grounding requirement	Yes	Yes	Yes