

Three Phase Lamp Load

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Abstract: *A lamp load bank is a device which used as an electrical load, applies the load to an electric al power source and converts or dissipates the resultant power output of the source. The purpose of a load bank is to accurately mimic the operational or “real” load that a power source will see in actual application. However, unlike the “real” load, which is likely to be dispersed, unpredictable and random in value, a load bank provides a contained, organized and fully controllable load. Consequently, a load bank can be further defined as a self-contained, unitized, systematic device that includes load elements with control and accessory devices required for operation.*

- *This project is used to load for AC electrical system.*
- *For laboratory to check any equipment in both balanced and unbalanced condition the lamp load is used.*
- *To measure the rated parameters like voltage, current and power etc.*
- *The lamp load is the resistive load.*
- *Lamp load can be connected in series with load termination points.*
- *Switches are provided in each branch to vary the load.*
- *Voltmeter and Ammeter are used to measure the voltage and current.*
- *MCB is used for protection along with indicators.*
- *This Lamp load offers load of 3kW at unity power factor.*

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