

**FACTORY PROJECT IN CALCUTTA COMPLETELY LIGHTED WITH
BINAY POWERLED DOWNLIGHTERS**

The pictures below are from a project of a 100% LED-lighted office-cum-factory in Salt Lake, Calcutta, where the complete illumination is being done with BINAY PowerLED Downlighters.

This facility is 100% lighted with Solar Power, making it India's first GREEN Factory.

All illumination in the facility has been done with our 12W PowerLED Downlighters. About 80 Downlighters have been used over a 5500 sq. feet area (at spacing intervals of 6 feet from each other), to achieve a minimum lux level of 250-300 Lux and greater on the work plane (as this is an electronic assembly facility).

For the office areas, 5W LED MR16 retrofits in warm white colour have been used, in order to provide a warm ambience.

The total power consumption for lighting is 1200 watts for an area of 5500 sq. feet, which translates to an **unbelievably low energy efficiency of 2.5 watts per sq. meter only.** (In comparison, the Indian Bureau of Energy Efficiency specifies a maximum lighting load of 11.5 watts per sq. meter for purposes of energy efficiency.)

The lighting load (being extremely low) is now supplied completely by solar-generated power – just 4KW of solar panels – making it a **100% Carbon-Neutral factory.**

The facility was inaugurated the by the Power Minister of West Bengal in November 2008.



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