

MD.19.**Title****Non-polluting projector with performant features****Authors**

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Pending patenting

Description**EN**

The device is based on the Seoul Semiconductor LED in the 5730 body with a power of 0.5W that have a light efficiency $\sim 217\text{Lm/W}$ and $\text{CRI}>80\text{Ra}$. The 220W power consumption is divided into six equal segments of $36\text{W}\pm 5\%$, which considerably enhances the reliability of the power supply developed and used by us. The device can replace a metal-halogen projector with a power consumption of around 1000W. Individual lenses are provided for each led with 30° , 60° light output angle or for outdoors $90^\circ \times 150^\circ$, which allows the use of the designed projector for night lighting of large areas or stadiums.

Class no.

1 or 2