

Cost Simulation

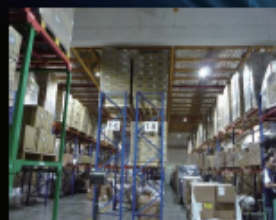
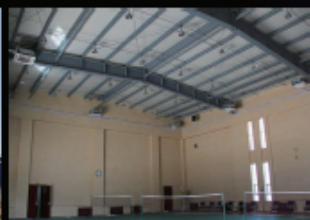
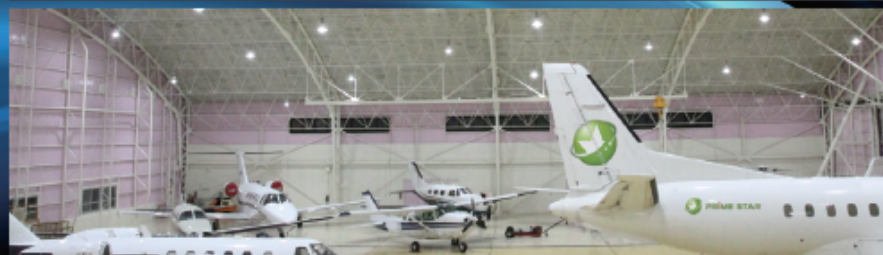
Assuming installation of the PR-DOME-80 series

Utility contract category: High Voltage A Average electricity cost: ¥25/kwh Maximum electricity: 500kW

Lamp source	400W mercury lamp	PR-DOME-80
Power	450W	80W
Number	50 lamps	50 lamps
Days of operation	260 days	260 days
Lighting cycle	10 hours/day	10 hours/day
Annual electricity cost	¥1,462,500	¥260,000

1,202,500円
コスト削減!

Installation examples

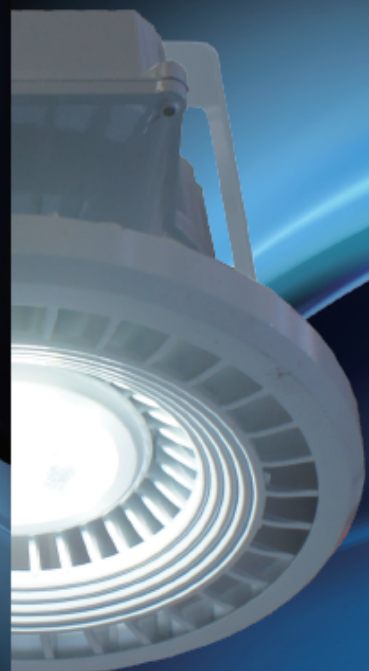


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IP67 Dust/Water Proof, Rust/Salt Damage Resistant

TOUGH in a rugged environment,
BUT EASY on the eyes

Glare-free due to the COB one-core LED lens

High-ceiling LED Lamp Series

DOME

PR-DOME-80/PR-DOME-80/PR-DOME-110/PR-DOME-300-C/PR-DOME-400-C
PR-DOME-800/PR-DOME-800/PR-DOME-800
DOME-TL-100/DOME-TL-100/DOME-TL-200
DOME-SSL-100/DOME-SSL-100/DOME-SSL-200



Japan's One and Only!!

The only CISPR 11・15・22-compliant high-ceiling LED

In accord with all of the following inspection codes:

IP67 Dust/Water Proof Test

JQA

Salt Water Spray Test

JET

High Temperature/Humidity Endurance Test

JQA

International Noise Standard Certification

JQA

Clears the strictest radio interference tolerance standards required at precision instrument manufacturing sites

Versatile applications: factories, warehouses, roadsides, street-sides, construction sites, golf ranges, underwater pool lighting, etc.

The DOME series is our LED lineup developed specifically for high-ceiling applications such as factories or gymnasiums, and outdoor facilities such as parking lots. It embeds a power supply compliant to both 100V/200V and therefore easy to install anywhere. The series is IP67 dust/water proof compliant (partially also IP65 compliant) and suitable for outdoor use. Power ranges from 50W up to 400W, consisting of five categories to choose from to meet any need. Mercury lamps typically take up to ten minutes before reaching its mandated brightness, but with LEDs it is instantaneous. This allows lamps to be turned off during recess and break hours, further contributing to energy savings. LEDs' radio frequency characteristics are also known to be inert repellent, making it ideal for use in kitchen/pantry and food factory settings. The larger the space, the longer the lighting cycle, the bigger the savings become (in both electricity billing and maintenance) by upgrading from current conventional lamps. Ultimately, this contributes to lowering carbon emissions and reducing mercury circulation into the environment.

The 3 Characteristics of the DOME Series



COB One-core LED Lens

DOME consists of a COB or chip-on-board, one-core LED structure. This eradicates the glare that had been typical of most LEDs, in turn, delivering a coherent easy-on-eyes brightness.



IP67 Waterproof Assured

DOME is also IP67 dust/water proof assured, durable for outdoor use as well as factories and warehouses with challenging conditions.

※The simple picture above is for an underwater application, durability in use for three years.

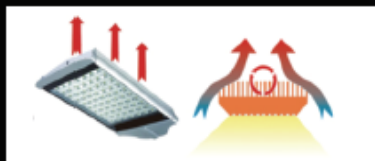


Efficient Heat Dissipation

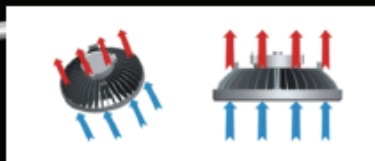
DOME is equipped with jet turbine-like fins which efficiently conduct heat away from the module, thereby protecting the lamp from overheating.

Efficient Heat Dissipation Structure

Design inspired by the jet engine turbine.



Heat sink structures on flat surface have high heat conductivity, but the flat surface of air exposure, however, becomes a zone where it gets the hottest and is not adequately cooled due to the heat blow effect of the surrounding air.



The DOME adopts a more directed structure with high conductive and structure, whereby heat is dissipated in an open air faster and more efficiently.

PR-DOME Lineup



PR-DOME 50/80/110

COB structure - coherent easy-on-eyes brightness

Developed specifically for high-ceiling applications such as factories or gymnasiums. Reaches its designed brightness instantaneously, allowing lamps to be turned off during recess and break hours, further contributing to energy savings. By upgrading from current conventional lamps you will be able to save in both electricity billing and maintenance. IP67 dust/water proof as well as rust/salt damage resistant, making it durable for outdoor use as well as factories and warehouses with challenging conditions. Power supply embedded, making it easy to install anywhere.



PR-DOME-ST60/100

Ideal for replacing outdoor 250W-400W mercury lamps

Ideal for roadside/curb lighting and outdoor parking lots. Made of die-cast aluminum alloy. IP67 dust/water proof as well as rust/salt damage resistant, making it ideal for ocean front facilities and parks.



PR-DOME-ST150

Ideal for replacing outdoor 400W mercury lamps

Ideal for roadside/curb lighting and outdoor parking lots. Made of die-cast aluminum alloy. IP67 dust/water proof as well as rust/salt damage resistant, making it ideal for ocean front facilities and parks.



PR-DOME-300-C

Ideal for replacing 1,000W mercury lamps

Covering a wide range of applications including golf ranges, tennis courts, soccer stadiums, high-ceiling applications such as factories or gymnasiums, parking lots and any other kind of outdoor location. Power consumption is 300W and when used to replace 1,000W mercury lamps, could contribute to as much as an 80% cut in electricity usage. IP65 compliant.



PR-DOME-400-C

Ideal for replacing 1,500W-2,000W mercury lamps

Covering a wide range of applications including golf ranges, tennis courts, soccer stadiums, high-ceiling applications such as factories or gymnasiums, parking lots and any other kind of outdoor location. Power consumption is 400W and when used to replace 1,500W-2,000W mercury lamps, could contribute to as much as an 80% cut in electricity usage. IP65 compliant.



PR-DOME-H05

Portable model

The Handy DOME operates on a lithium ion battery and is compact and light weight. IP67 dust/water proof compliant, making it outdoor-ready. Convenient for outdoor work as well as emergency situation lighting.



PR-DOME THUNDER

For high-ceiling applications such as factories or gymnasiums

180-degree luminous intensity angle distributes light to a wide area. IP65 dust/water proof, making it durable for outdoor use as well as factories and warehouses with challenging conditions.



PR-DOME SKIRT

High-ceiling lighting for supermarkets

Light is distributed not only straight down but to the rim of the structure, resulting in a radiant effect. IP65 dust/water proof, making it durable for outdoor use as well as factories and warehouses with challenging conditions.