

LEDHIGHMAST

Outdoor LED Floodlight LLF0059A LLF0011A LLF0012A

Built to withstand harsh environments

LEDSFOCUS
Landscape Lighting

LEDSROAD
Road Lighting

LEDHIGHMAST
Outdoor LED floodlight

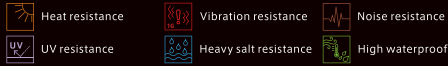
LEDHIGHBAY
Indoor Maintenance-free
Lighting



Concept

With dust and water resistance as high as IP66, this lighting can be used in coast areas, which require tolerance to heavy salt. We received NK Qualification from ClassNK for conducting a test on this product for use in harbor environment. It has a sufficient quantity of light to irradiate a vast area, and we provide wide and narrow light distributions so that they can be selected according to the geographical feature.

Features



Heavy duty

We provide LED floodlights with high quality and reliability, which passed endurance tests for harsh environments.

Technology of automobile headlamps

Utilizing our technology of light distribution developed through designing automobile headlamps, we materialized a high distribution uniformity.

Conservation of energy & environment

The higher efficiency enables energy saving and thus contributes to reduction of greenhouse gases.

Projects



Terminal of ICO and NYK LINE in Zeebrugge, Belgium



Sapporo Ryutsu System, Sapporo Hokkaido



Salt damage

Extreme temperature

It shows outstanding durability performance under different kinds of bad conditions and environments.

Product Image



Front



Side



Back



Bottom

Specifications

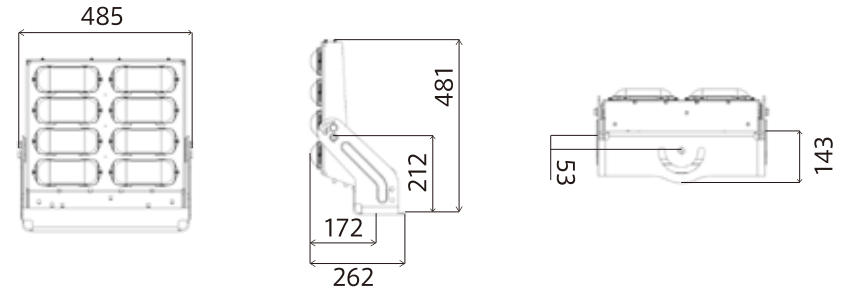
Part No.
LLF0011A

Color temperature	5000K	
Light distribution angle	Narrow angle θ18°	Wide angle θ70°
Fixture Luminous Flux	39,820lm	42,300lm
Luminous Efficiency	115lm/W	122lm/W

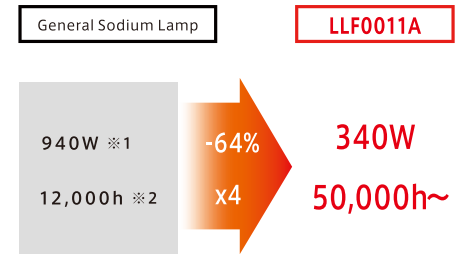
Material:	Body: aluminum sheet
Color Temperature:	5000K
Power Consumption:	340W (at 220V)
Input Voltage:	AC100 ~ 240V
Lightning Surge Protection Pressure Resistance:	15kV (Common mode)
Color Rendering Property:	Ra70
Ambient Temperature:	-20 ~ +40°C
Weight:	13.5kg
Waterproof and dustproof:	IP66
LED light source lifetime:	60,000h (lumen maintenance factor 70%)
Wind Resistance:	60m/s

External Dimensions

unit: mm

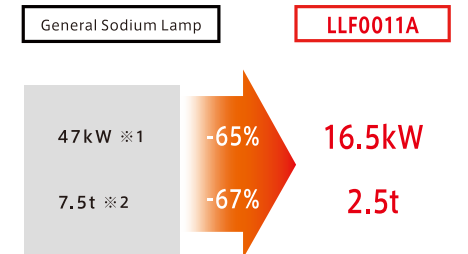


Comparison of Energy Efficiency



※1 Power consumption per lighting fixture
※2 Lifetime of the light source

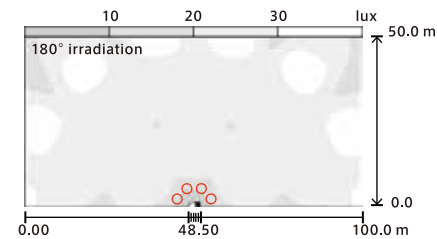
Comparison of CO2 Emissions



※1 Power consumption per 50 lighting fixtures
※2 Amount of greenhouse gas (CO2) emission (in 300 days)

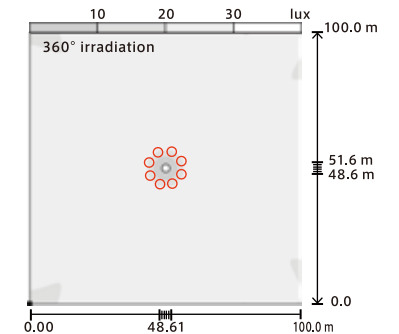
Simulation of Light Distribution

average illuminance: 25lux



Computational Conditions
Wide : 4units Angles : wide50° Installation height : 30m
Narrow : 8units Angles : wide65° Installation height : 30m
Maintenance factor : 0.8

average illuminance: 30lux



Computational Conditions
Wide : 8units Angles : wide50° Installation height : 30m
Narrow : 15units Angles : wide65° Installation height : 30m
Maintenance factor : 0.8