

# Special Outdoor Lighting

## Outdoor LED Floodlight

LLF0011A



Built to withstand harsh environments

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## Outdoor LED Floodlight **LLF0011A**



### Features

Built to withstand harsh environments

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

Technology of automobile headlamps

We implemented the high technology of light distribution that shows more uniformity, utilizing our technology of light distribution design which we developed through designing automobile headlamps.

Conservation of energy & environment

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

### Design 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 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.

### Example



Terminal of ICO and Nippon Yusen Kabushiki Kaisha, Zeebrugge, Belgium

### Built to Withstand Harsh Environments



UV

bad weather

dust

vibration

salt damage

temperature

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

## Product Image



Front



Side



Back



Bottom

## Specifications

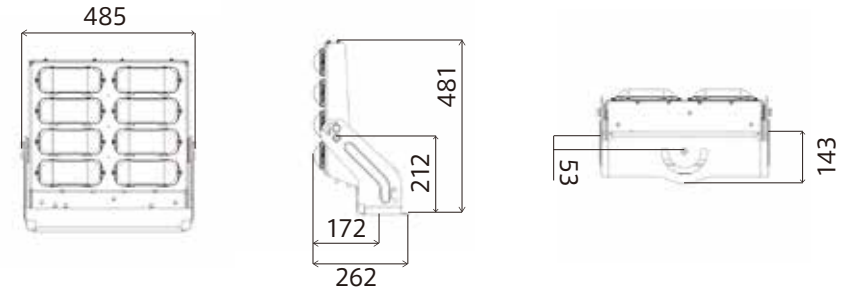
### Part No.

LLF0011A

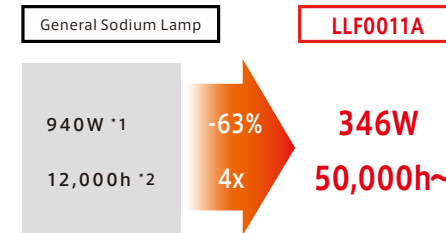
Material:	Body: aluminum sheet-metal
Color Temperature:	5000K
Power Consumption:	346.4W (at242V)
Input Voltage:	AC200 ~ 240V
Lightning Surge Protection Pressure Resistance:	15kV (Common mode)
Light Distribution Angle:	Narrow $\theta 18^\circ$ / Wide $\theta 70^\circ$
Luminous Flux of the Light Source:	37000lm / 39000lm
Luminous Efficiency:	111lm/W
Color Rendering Property:	Ra70
Ambient Temperature:	-20 ~ +40°C
Weight:	13.5kg
Water and Dust Resistance:	IP66
Life of LED' s Light Source:	60,000h (lumen maintenance factor 70%)
Wind Resistance:	60m/s

## External Dimension

unit: mm

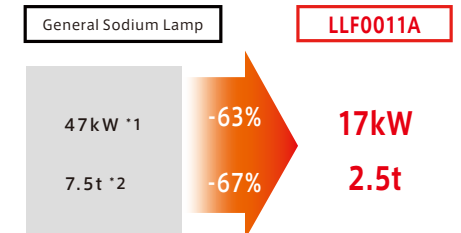


## Comparison of Energy Efficiency



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

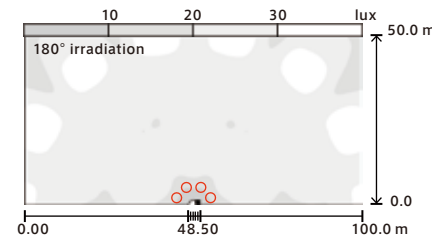
## Comparison of CO2 Emissions



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

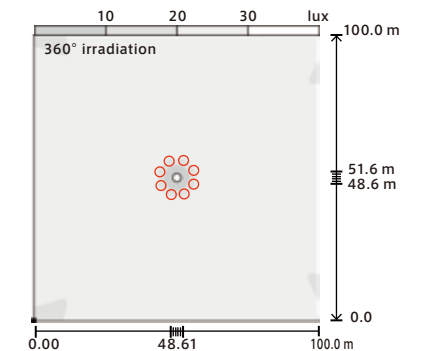
## Simulation of Light Distribution

average illuminance: 25lux



Computational Condition  
wide angle : 4units angle : 50° height of installation : 30m  
narrow angle : 8units angle : 65° height of installation : 30m  
maintenance factor : 0.8

average illuminance: 30lux



Computational Condition  
wide angle : 8units angle : 50° height of installation : 30m  
narrow angle : 15units angle : 65° height of installation : 30m  
maintenance factor : 0.8