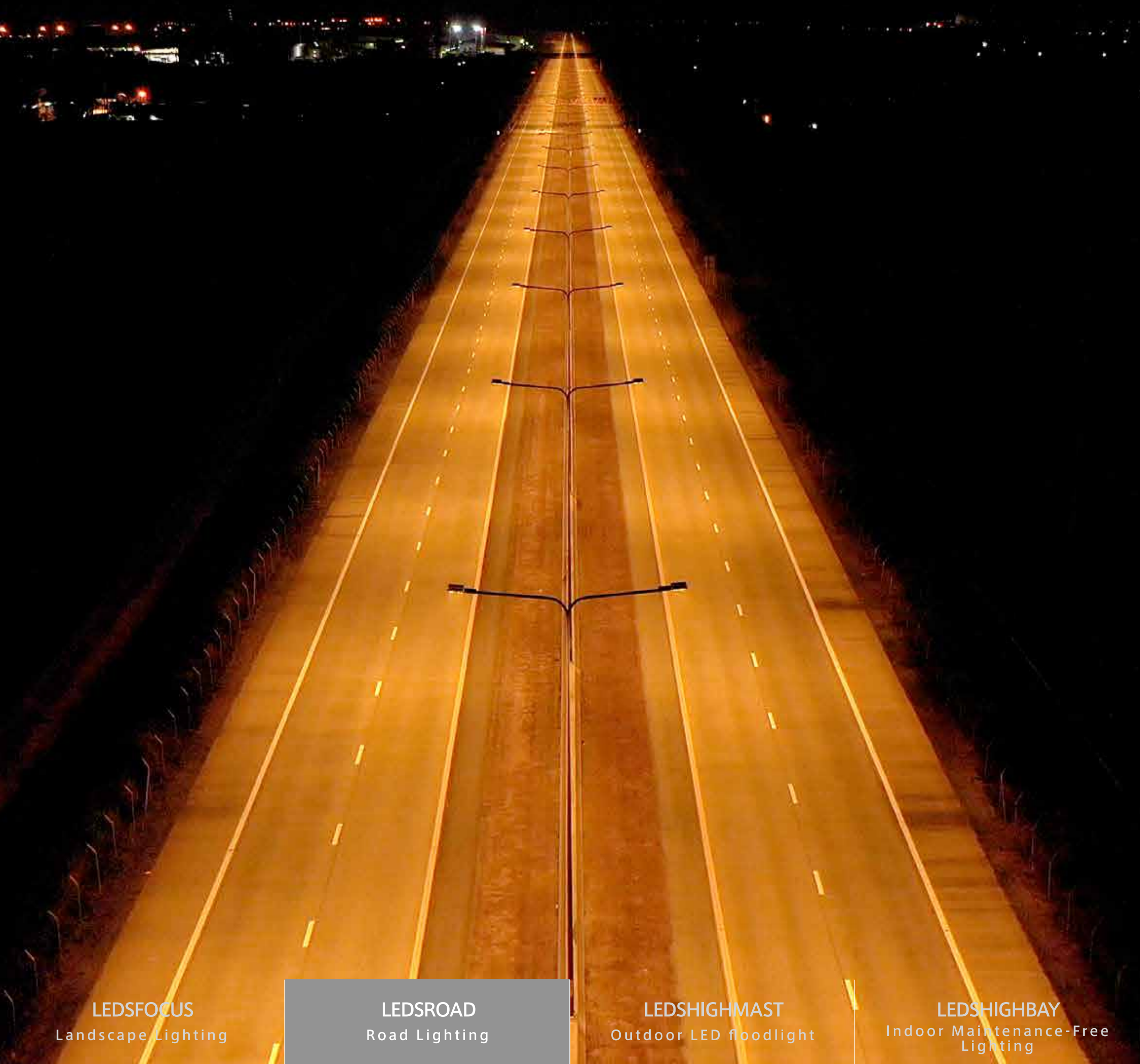


LEDSROAD

LED Road Lighting LLF0016A LLF0017A

Providing light to ensure safety on the road



LEDSFOCUS
Landscape Lighting

LEDSROAD
Road Lighting

LEDSHIGHMAST
Outdoor LED floodlight

LEDSHIGHBAY
Indoor Maintenance-Free
Lighting

LEDSROAD

LED Road Lighting LLF0016A



pdf data

Concept

The tolerance to lightning surge is as high as 20kV, which provides security in a long term use under harsh conditions. The risk of bugs getting inside the product is very low, because it is designed with high airtightness (IP66) even on the parts other than the light source. The product can meet a variety of demands because it can provide many combinations of its output range, which is 100-200W, and its four patterns of light distribution. Construction for this lighting fixture is simple because opening/closing of the cover does not require a tool.

Features



Design that suits urban areas

Implemented optimal control of light distribution with the slim body that matches a variety of scenes.

High tolerance to UV

Tempered glass is used for the outer lens of the light-emitting part, and the optical lenses are made of acryl.

High tolerance to heat

Ambient temperature is +50°C at the highest.

Wide range of input voltage

Voltage for lighting can be in the range of AC90-305V; usable in regions with unstable voltage.

Wide variety of lenses

The most suitable lens can provide the road with a uniform light distribution.

Maintenance & upgrade

In addition to the power source part, we unitized the LED part so it can be replaced or upgraded by unit.

Projects



Bangkok Expressway and Metro Public Company Limited, Thailand



Karawang International Industrial City (KIIC), Indonesia



Asia Industrial Estate, a suburb of Bangkok, Thailand



Cao Lo Street - Dong Anh Province, Vietnam



Confluence road of National Highway No. 3 - Dong Anh Province, Vietnam

Product Image



Front



Side

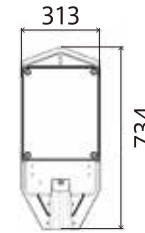


Back

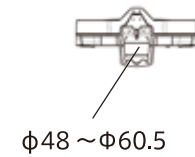


The light on

External Dimensions



range of boom angle: 5-25°

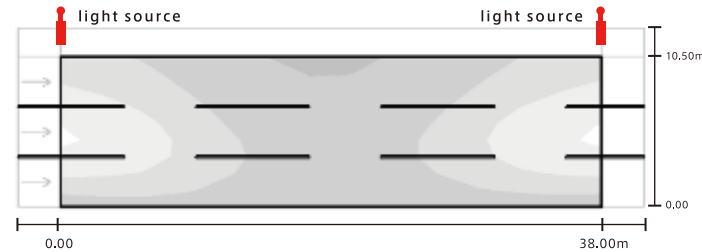


Specifications

Part No.	Power Consumption (at 220V)	117W	134W	150W	159W	167W	202W
LLF0016A	Fixture Luminous Flux	15,000lm	17,200lm	19,400lm	20,400lm	21,500lm	25,800lm
	Luminous Efficiency	129lm/W	129lm/W	129lm/W	129lm/W	129lm/W	129lm/W
	Class of the Lighting	ME3~ME6	ME2~ME6	ME1~ME6	ME1~ME6	ME1~ME6	ME1~ME6
	Type of Road	general	general	general /expressway	general /expressway	general /expressway	expressway

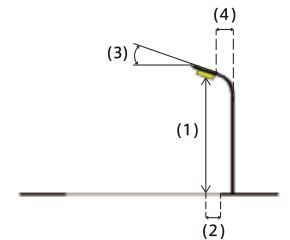
Material:	Body: aluminum die-cast, Outer cover: tempered glass
Color Temperature:	4000K
Waterproof and dustproof:	IP66
LED light source lifetime:	60,000h (lumen maintenance factor 70%)
Shock Resistance:	IK08
Vibration Resistance:	2G
Wind Resistance:	60m/s
Input Voltage:	rated voltage AC 100~240V (AC 90~305V)
Lightning Surge Protection Pressure Resistance:	20 kV (Common mode)

Simulation of Light Distribution



Computational Condition

number of traffic lanes : 3
 fixture : LLF0016A/LEN2/72/E/IN/A
 installation height (1) : 12.3m
 overhang (2) : 0.417m
 inclination angle of the boom (3) : 5°
 boom length : 0m
 space between poles : 38m
 maintenance factor : 0.7



average illuminance : 22lux

overall uniformity ratio of illuminance 1 (min/ave) : 0.42

overall uniformity ratio of illuminance 2 (min/ave) : 0.23