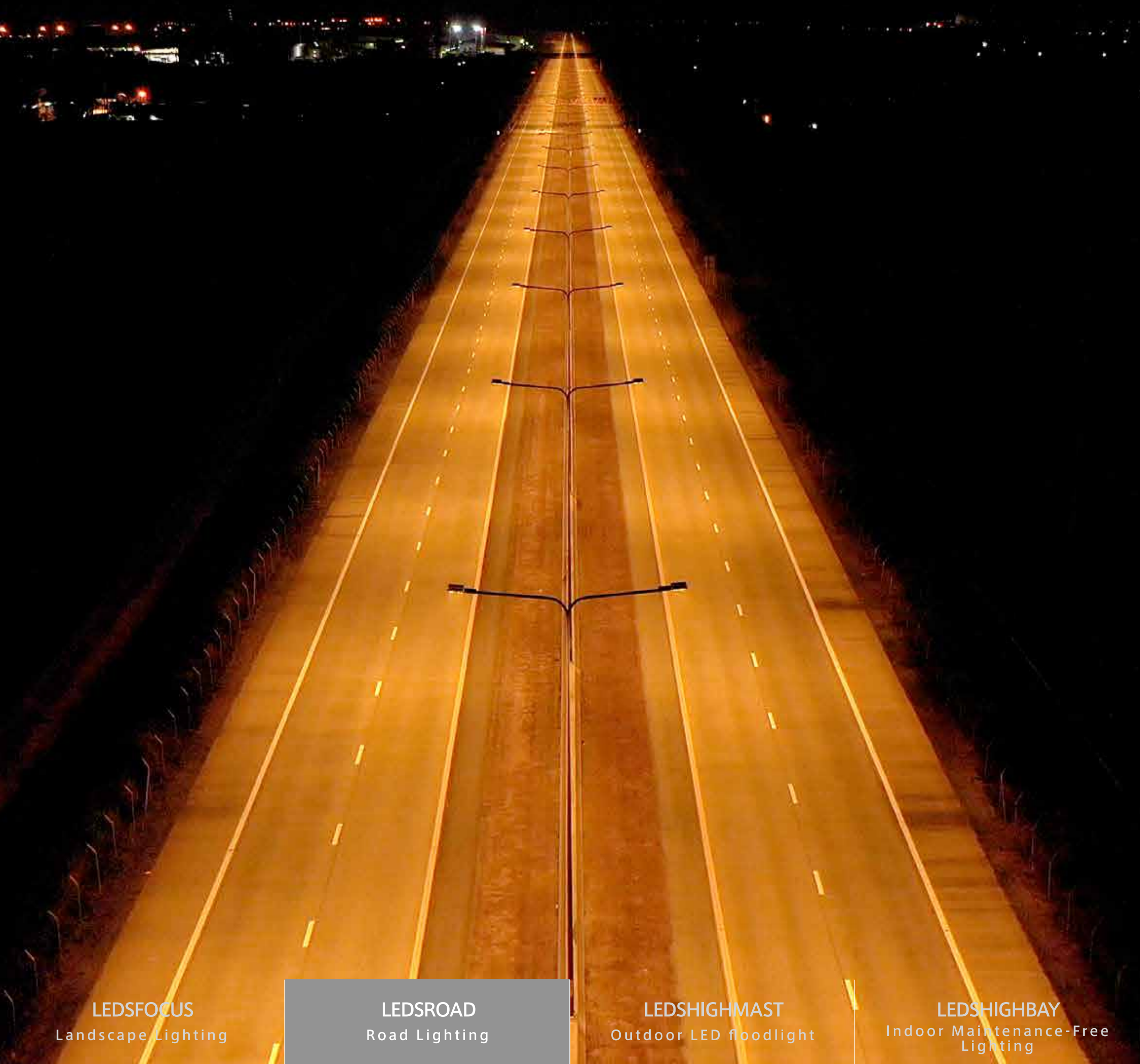


LEDSROAD

LED Road Lighting LLF0016A LLF0017A

Providing light to ensure safety on the road



LEDSFOCUS
Landscape Lighting

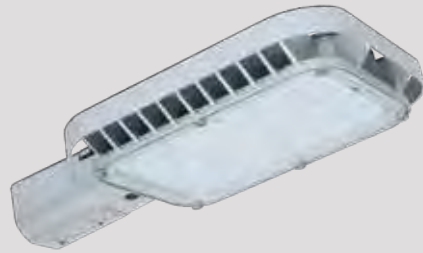
LEDSROAD
Road Lighting

LEDSHIGHMAST
Outdoor LED floodlight

LEDSHIGHBAY
Indoor Maintenance-Free
Lighting

LEDSROAD

LED Road Lighting LLF0017A



pdf data

Concept

We materialized this compact and lightweight body while having the power source built in the fixture. 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. Its wide light-distribution and high utilization factor allow a minimized number of installation of fixture. Construction for this lighting fixture is simple because opening and closing of the cover does not require a tool.

Features



Heat resistance Vibration resistance Noise resistance
 UV resistance salt resistance High waterproof

Design that suits urban areas

The radiation fin is placed around the light source part and is designed with slits to avoid accumulation of dust.

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.

Maintenance & upgrade

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

High brightness & efficiency

Materialized 0.94cd/ m² with power consumption 90W, while the standard brightness value of EU roads is ≥ 0.75 .

Projects



Bangkok Expressway and Metro Public Company Limited, Thailand



Karawang International Industrial City (KIIC), Indonesia



Stanley Electric's Hadano Factory in Kanagawa



Asia Industrial Estate, a suburb of Bangkok, Thailand

Product Image



Front



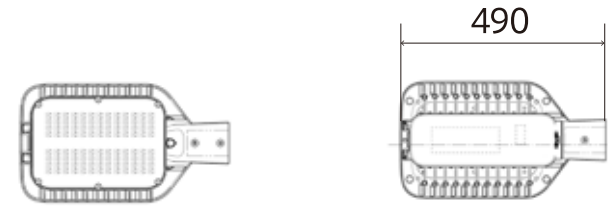
Side



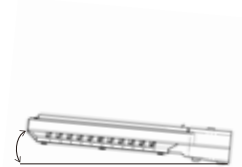
Back

External Dimensions

unit: mm

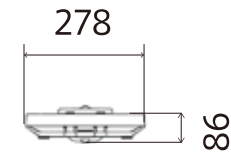


490



5~15°

range of boom angle: 5-15°



278

86



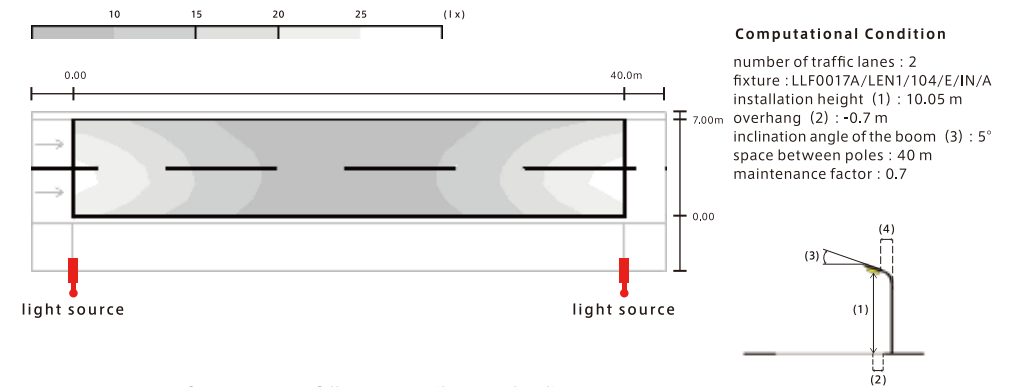
Φ48 ~ Φ60.5

Specifications

Part No.	Power Consumption (at 220V)			
	42W	70W	90W	
LLF0017A	Fixture Luminous Flux	5300lm	8400lm	11000lm
	Luminous Efficiency	126lm/W	120lm/W	122lm/W

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
Ambient Temperature:	-40 ~ +55 °C
Wind Resistance:	60m/s
Input Voltage:	rated voltage AC100 ~ 240V (AC90 ~ 305V) <small>*42W type has rated voltage AC200-240V (AC160-305V)</small>
Lightning Surge Protection Pressure Resistance:	10 k V (Common mode)
Weight:	5.0 k g
Height of Installation:	6 ~ 12m
Compatible Pole:	Φ 60.5mm × 100mm

Simulation of Light Distribution



Computational Condition

number of traffic lanes : 2
 fixture : LLF0017A/LEN1/104/E/IN/A
 installation height (1) : 10.05 m
 overhang (2) : -0.7 m
 inclination angle of the boom (3) : 5°
 space between poles : 40 m
 maintenance factor : 0.7

uniformity ratio of illuminance (longitudinal) :	0.75
uniformity ratio of illuminance (overall) :	0.51
lighting classification :	ME4a
average brightness :	0.95
relative threshold increase :	13