



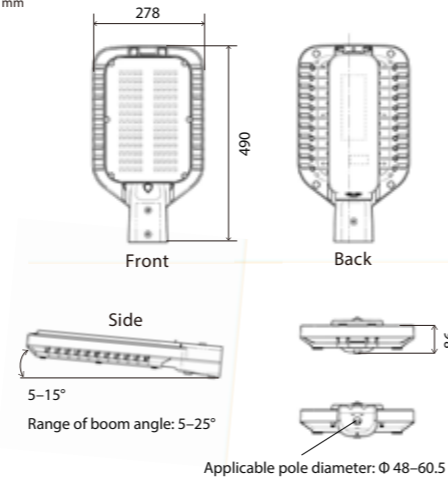
- Heat resistance
- Vibration resistance 2G
- Noise resistance
- UV resistance
- Heavy salt resistance
- High waterproof IP66

Specification

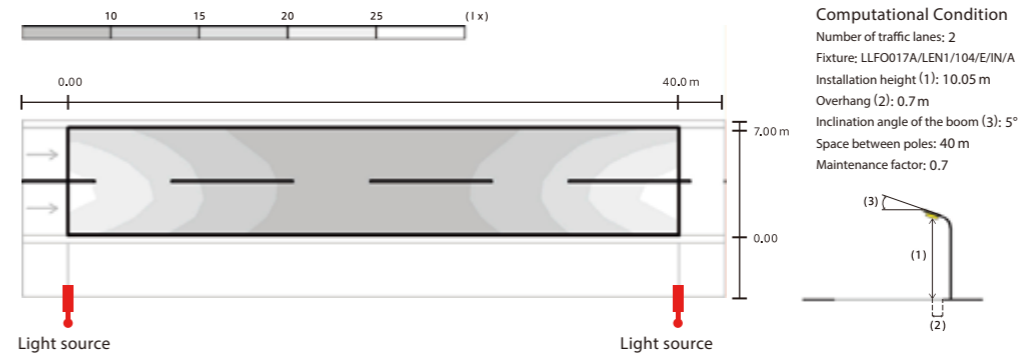
Body: Aluminum die cast, Outer cover: Tempered glass
 Color temperature: 4000K
 Waterproof and dustproof: IP66
 LED light source lifetime: 60,000 hours (lumen maintenance factor 70%)
 Shock resistance: IK08
 Vibration resistance: 2 G
 Ambient temperature: -40~55°C
 Wind resistance: 60 m/s
 Input voltage: AC 100~240 V
 *42 W type has rated voltage AC 200~240 V
 Lightning surge protection pressure resistance: 10 kV (Common mode)
 Weight: 5.0 kg

Dimensions

Unit: mm



Simulation of Light Distribution

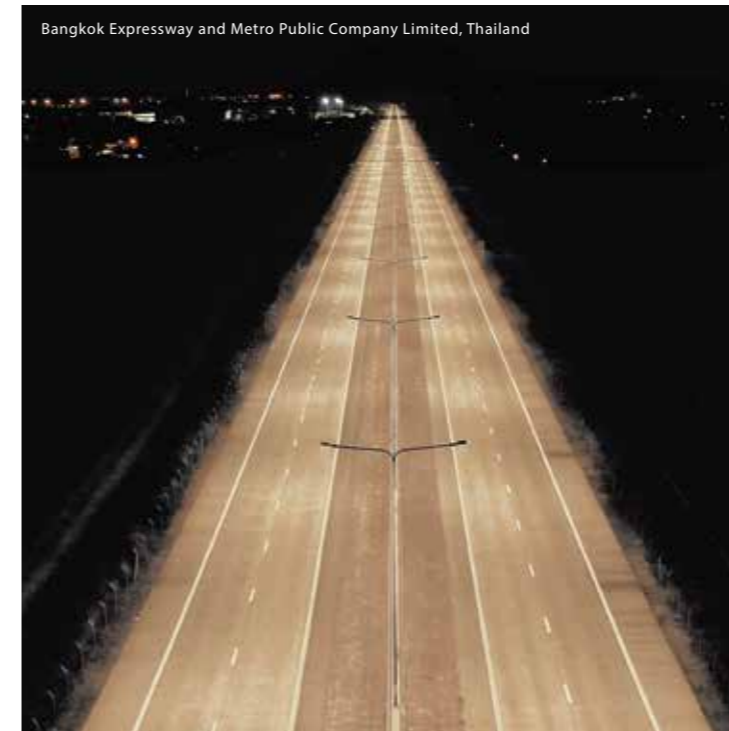


Computational Condition
 Number of traffic lanes: 2
 Fixture: LLF0017A/LEN1/104/E/IN/A
 Installation height (1): 10.05 m
 Overhang (2): 0.7 m
 Inclination angle of the boom (3): 5°
 Space between poles: 40 m
 Maintenance factor: 0.7

Average brightness: 0.95 cd/m²
 Uniformity ratio of illuminance (overall): 0.51
 Uniformity ratio of illuminance (longitudinal): 0.75
 Relative threshold increase: 13%
 Lighting classification: ME4a

Part No.	LLF0017A/LEN1/72/E/IN/A	LLF0017A/LEN1/80/E/IN/A	LLF0017A/LEN1/104/E/IN/A
Power Consumption (at 220 V)	42 W	70 W	90 W
Fixture Luminous Flux	5,300 lm	8,400 lm	11,000 lm
Energy Consumption	126 lm/W	120 lm/W	122 lm/W
Type of Road	General	General	General

Adoption example



Sophisticated, compact, and lightweight body for a variety of situations

We created this compact and lightweight body which includes an inbuilt power source.

The risk of insects getting inside the product is very low, because it is designed with high airtightness (IP66), including parts other than the light source.

Its wide light-distribution and high utilization factor allow a minimum number of fixtures needed to be installed.

Installation of this lighting fixture is simple because opening and closing of the cover does not require a tool.

Design that suits urban areas

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

High tolerance to UV

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

High tolerance to heat

Tolerates ambient temperatures up to 55°C.

Wide range of input voltage

Voltage for lighting can be in the range of AC 90~305V; usable in regions with unstable voltage.
 The input Supports voltages in the range of the 42 W type is AC160~305V.
 Performance in the voltage range outside the rated voltage is not guaranteed.

Maintenance & upgrading

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

High brightness & efficiency

Realized an average road surface brightness of 0.95cd/m² with power consumption of 90W, while the standard brightness value is EN13201-2 lighting grade ME4a (L≥0.75cd/m²)
 For computational conditions, please refer to Simulation of Light Distribution on the upper right corner of the next page.