



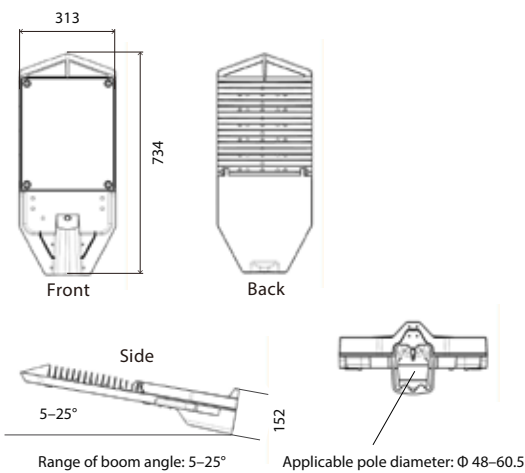
- Heat resistance
- Vibration resistance 2G
- Noise resistance
- UV resistance
- Heavy salt resistance
- High waterproof IP66

Specification

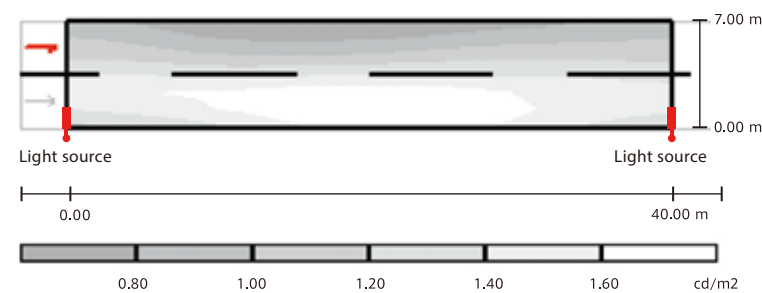
Body: Aluminum die cast, Outer cover: Tempered glass
 Color temperature: 4000K
 Waterproof and dustproof: IP66
 LED light source lifetime: 60,000 hours (lumen maintenance factor 70%)
 Shock resistance: IK08
 Vibration resistance: 2 G
 Ambient temperature: -20~50°C
 Wind resistance: 60m/s
 Input voltage: AC 100~240V
 Lightning surge protection pressure resistance: 20 kV (Common mode)
 Weight: 10 kg

Dimensions

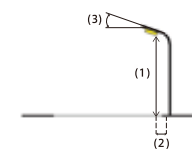
Unit: mm



Simulation of Light Distribution



Computational Condition
 Number of traffic lanes: 2
 Fixture: LLF0139A/LEN1/120/E/IN/A
 Installation height (1): 10 m
 Overhang (2): 0 m
 Inclination angle of the boom (3): 5°
 Space between poles: 40 m
 Maintenance factor: 0.7



Average brightness: 1.19 cd/m²
 Uniformity ratio of illuminance 0.51
 Uniformity ratio of illuminance: 0.78
 Relative threshold increase: 11%

Part No.	LLF0139A/LEN1/120/E/IN/A	LLF0139A/LEN1/144/E/IN/A	LLF0139A/LEN1/168/E/IN/A
Power Consumption (at 220V)	121W	140W	167W
Fixture Luminous Flux	14,000 lm	16,700 lm	19,700 lm
Energy Consumption	116 lm/W	119 lm/W	118 lm/W
Type of Road	general	general	general

Adoption example



LED road lighting that maintains stable and long-term operation in all kinds of environment

The parts other than the light source are also airtight (IP66), so there is no need to worry about insects or other intruders.

Three output types are available in the line-up.

Tool-less opening and closing of the cover simplifies installation.

Design that suits urban areas

Implemented optimal control of light distribution with a 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 acrylic.

High tolerance to heat

Ambient temperature is +50°C at the highest.

Wide range of input voltage

Supports voltages in the range of AC 90~305V; usable in regions with unstable voltage. 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.