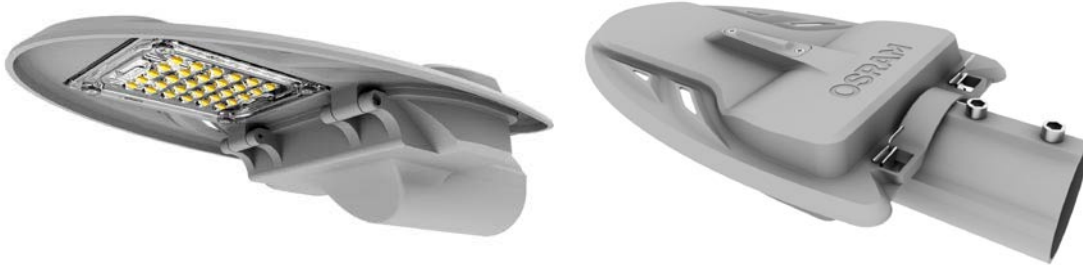


LEDENVO™ LED Street Light Datasheet



LEDENVO™ LED Street light series is a flexible, easy to maintain LED street light lantern. It is the simplest platform to achieve optimal balance between performance and cost. The luminaire is specially designed for ME3~5 type roads applications. DC versions (30W/60W) allow the LED street light to be powered by solar cells.

Benefits

Dual power source

- AC / DC versions provide ultimate flexibility on deployment

IP66 protection and robust design

- Robust mechanical design for extreme outdoor environment
- Easy to maintain

High efficacy

- Up to 120 lm/W high efficacy

Professional optical design

- Best use of light to the target area while not creating glare to driver and environment

Long lifetime

- 50,000 hours lifetime saving maintenance cost

Environmental friendly

- No hazardous materials

Applications

- Industrial roads
- Parking lots
- Residential roads
- Rural roads

LEDENVO™ LED Street Light

Technical Data

Optical Specifications

| | | 30W | 60W | 90W | 120W | 150W |
|---------------|-----------------|---------------------|------------|------------|------------|------------|
| Luminous Flux | 3000K | 3300 lm | 6900 lm | 10300 lm | 14000 lm | 17200 lm |
| | 4000K, 5700K | 3450 lm | 7200 lm | 10800 lm | 14500 lm | 18000 lm |
| Efficacy | 3000K | 110 lm/W | | | | |
| | 4000K, 5700K | 120 lm/W | | | | |
| CCT | | 3000K, 4000K, 5700K | | | | |
| CRI (Ra) | | >70 | | | | |
| SDCM | | 5 | | | | |
| Beam Angle | | 150° × 60° | 150° × 70° | 150° × 70° | 150° × 70° | 150° × 70° |

Electrical and Mechanical Specifications

| | | | | | | |
|---------------------------|--------|---|-------|---------------------|-------|-------|
| Input Voltage | | 100-240V AC 50/60Hz, Solar 12/24V DC | | 100-240V AC 50/60Hz | | |
| Power Consumption | | 30W | 60W | 90W | 120W | 150W |
| Power Factor | | >0.95 | | | | |
| Total Harmonic Distortion | | <15% | | | | |
| ESD Protection | | Contact 4KV, Air 8KV | | | | |
| Surge Protection | | Line-to-line 5KV, Line-to-ground 10KV | | | | |
| Dimensions | Length | 345mm | 580mm | 580mm | 690mm | 690mm |
| | Width | 196mm | 285mm | 285mm | 342mm | 342mm |
| | Height | 78mm | 95mm | 95mm | 98mm | 98mm |
| Weight | | 1.3kg | 3.3kg | 3.5kg | 5.8kg | 6kg |
| Cover Lens | | PC lens | | | | |
| Housing | | Die-casting aluminium, RAL9006 | | | | |

System Specifications

| | | | | | | |
|-----------------------|--|--|---------|--|--|--|
| Power | | AC, DC | AC only | | | |
| Dimmable | | ON/OFF, *time dimming, *1-10V dimming and *PWM dimming (Time dimming, 1-10V dimming and PWM dimming can be customized except 30W) | | | | |
| Mounting Type | | Side-entry mounting | | | | |
| Operating Temperature | | -30°C to +50°C | | | | |
| Storage Temperature | | -30°C to +85°C | | | | |
| Environment | | Outdoor (IP66) | | | | |
| Lumen Maintenance | | L70@25°C - 50,000hrs | | | | |
| Safety Approval | | Electrical Protection Class I (AC), Electrical Protection Class III (DC), CB, CQC, RoHS, EHS | | | | |

Items with * are non-standard items and are available on request. Specification is subject to change due to continuous improvement.

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

09/16 V1.2 · Specifications are subject to change without notice. Errors and omission excepted, always make sure to use the most recent release.

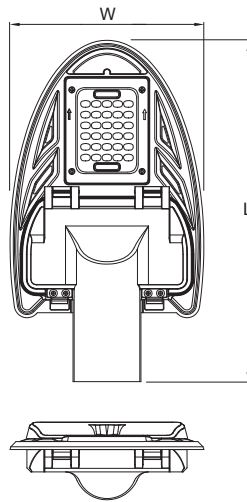
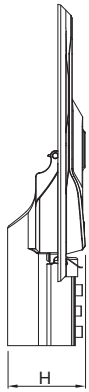
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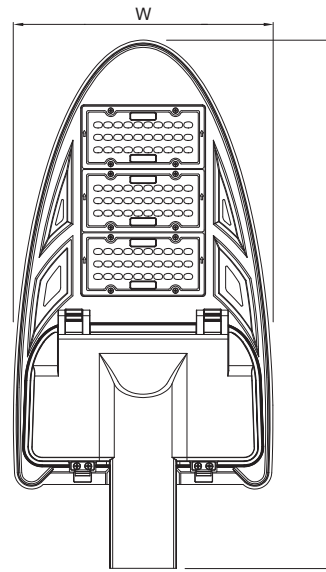
LEDENVO™ LED Street Light

Dimensions

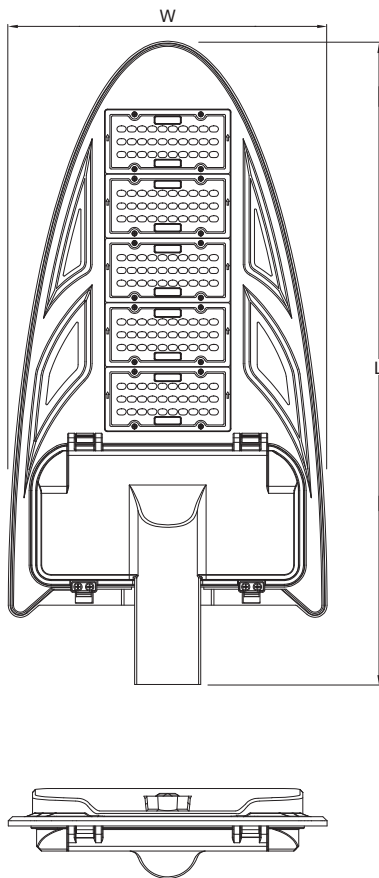
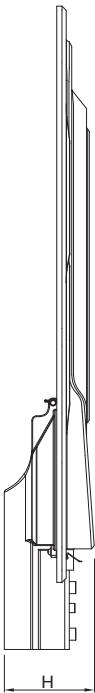
30W



60W/90W



120W/150W



Dimensions

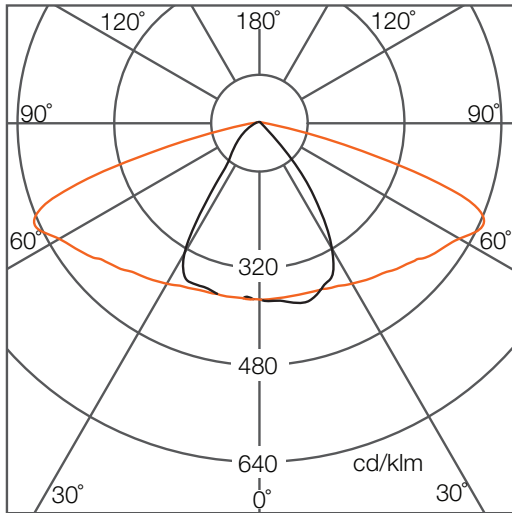
| | 30W | 60W | 90W | 120W | 150W |
|----------|-------|-------|-------|-------|-------|
| L | 345mm | 580mm | 580mm | 690mm | 690mm |
| W | 196mm | 285mm | 285mm | 342mm | 342mm |
| H | 78mm | 95mm | 95mm | 98mm | 98mm |

LEDENVO™ LED Street Light

Photometrics

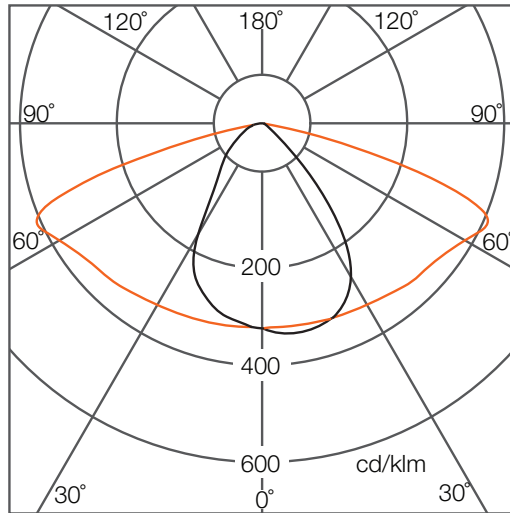
Light Distribution Curve

150° × 60°



Tilt Peak Angle: 15°

150° × 70°



Tilt Peak Angle: 10°

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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LEDENVO™ LED Street Light

Ordering Codes

Fixture

| Short Text | Power | | CCT | Material | EAN40 |
|--------------------------------------|-------|----|-------|-------------|---------------|
| LEDENVO LED ST 30W 730 VS1 OSRAM | 30W | AC | 3000K | AB459530055 | 4052899421271 |
| LEDENVO LED ST 30W 740 VS1 OSRAM | 30W | AC | 4000K | AB459540055 | 4052899421288 |
| LEDENVO LED ST 30W 757 VS1 OSRAM | 30W | AC | 5700K | AB459550055 | 4052899421295 |
| LEDENVO LED ST 30W 730 DC VS1 OSRAM | 30W | DC | 3000K | AB461620055 | 4052899421325 |
| LEDENVO LED ST 30W 740 DC VS1 OSRAM | 30W | DC | 4000K | AB461570055 | 4052899421301 |
| LEDENVO LED ST 30W 757 DC VS1 OSRAM | 30W | DC | 5700K | AB461610055 | 4052899421318 |
| LEDENVO LED ST 60W 730 AC VS1 OSRAM | 60W | AC | 3000K | AB459560055 | 4052899450813 |
| LEDENVO LED ST 60W 740 AC VS1 OSRAM | 60W | AC | 4000K | AB459620055 | 4052899450967 |
| LEDENVO LED ST 60W 757AC VS1 OSRAM | 60W | AC | 5700K | AB459630055 | 4052899450974 |
| LEDENVO LED ST 60W 730 DC VS1 OSRAM | 60W | DC | 3000K | AB461600055 | 4052899451049 |
| LEDENVO LED ST 60W 740 DC VS1 OSRAM | 60W | DC | 4000K | AB461560055 | 4052899451025 |
| LEDENVO LED ST 60W 757 DC VS1 OSRAM | 60W | DC | 5700K | AB461590055 | 4052899451032 |
| LEDENVO LED ST 90W 730 AC VS1 OSRAM | 90W | AC | 3000K | AB459610055 | 4052899450905 |
| LEDENVO LED ST 90W 740 AC VS1 OSRAM | 90W | AC | 4000K | AB459570055 | 4052899450820 |
| LEDENVO LED ST 90W 757 AC VS1 OSRAM | 90W | AC | 5700K | AB459640055 | 4052899450981 |
| LEDENVO LED ST 120W 730 AC VS1 OSRAM | 120W | AC | 3000K | AB459600055 | 4052899450875 |
| LEDENVO LED ST 120W 740 AC VS1 OSRAM | 120W | AC | 4000K | AB459660055 | 4052899451001 |
| LEDENVO LED ST 120W 757 AC VS1 OSRAM | 120W | AC | 5700K | AB459650055 | 4052899450998 |
| LEDENVO LED ST 150W 730 AC VS1 OSRAM | 150W | AC | 3000K | AB459590055 | 4052899450844 |
| LEDENVO LED ST 150W 740 AC VS1 OSRAM | 150W | AC | 4000K | AB459580055 | 4052899450837 |
| LEDENVO LED ST 150W 757 AC VS1 OSRAM | 150W | AC | 5700K | AB459670055 | 4052899451018 |