

# SDL Series Led Street Light



## Overview



- LED Source: Lumileds 3030/5050 LED
- Input Vol: AC100-277V
- SPD:10KV&20KV
- CRI: >75Ra
- IP Rate: IP66
- Warranty: 5 years
- Beam angle: 60° /90° 120° / T2 / T3



**PMMA Lens:**  
PC+Glasses

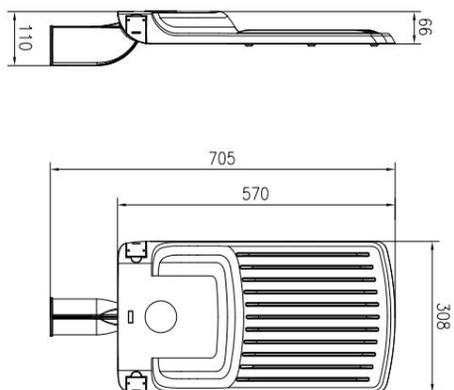
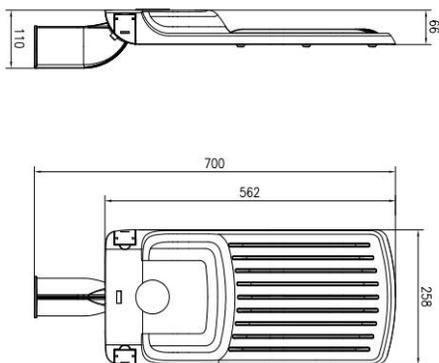
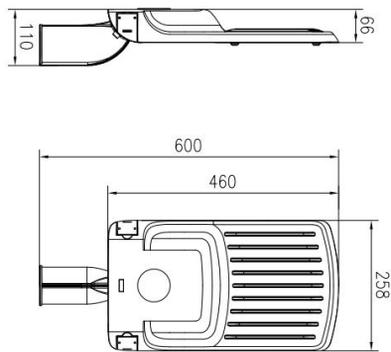
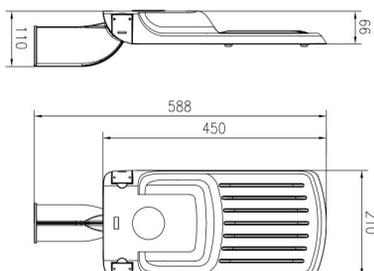
**Buckle:**  
Easy to disassemble

**Die-cast aluminum lamp body:**  
One-piece die-casting process, beautiful and good heat dissipation.

**Mounting arm:**  
0-90° adjustable

Model	Housing Dimensions(mm)	Housing Net weight	Suitable for Wattage
MS-LSH50W-SDL01	588x210x110	2.9KGS	50-60w
MS-LSH100W-SDL02	600x258x110	3.4KGS	80-100w
MS-LSH150W-SDL03	700x258x110	5.2KGS	120-150w
MS-LSH200W-SDL04	705x308x110	7.2KGS	150-200w

## Production dimensions



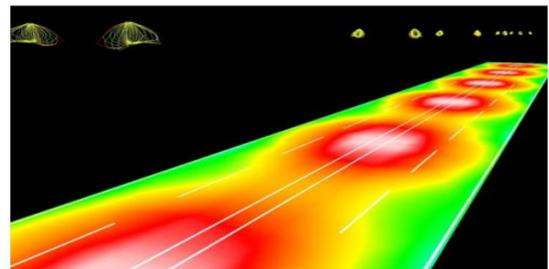
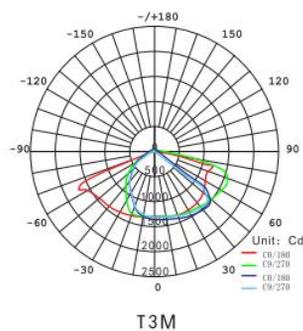
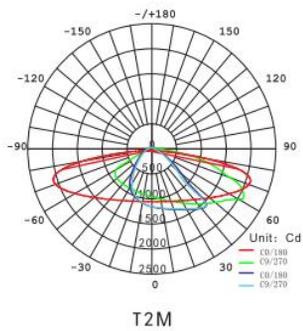
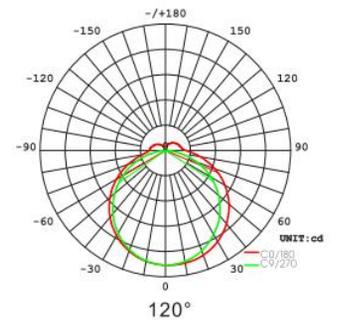
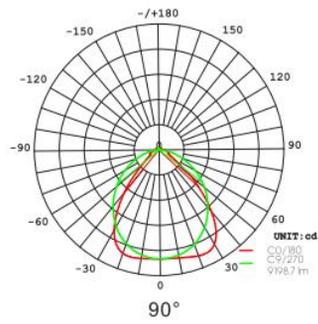
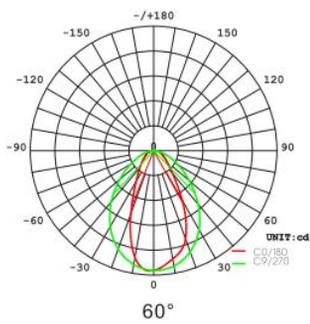
## Products Characteristics-1

<b>Model:</b>	<b>MS-LSH50W-SDL01</b>	<b>MS-LSH100W-SDL02</b>	<b>MS-LSH150W-SDL03</b>	<b>MS-LSH200W-SDL04</b>
<b>Wattages:</b>	<b>50W</b>	<b>100W</b>	<b>150W</b>	<b>200W</b>
<b>Led Source:</b>	<b>Lumileds-3030/5050LED</b>	<b>Lumileds-3030/5050LED</b>	<b>Lumileds-3030/5050LED</b>	<b>Lumileds-3030/5050LED</b>
<b>Led Qty:</b>	<b>96/36 pcs</b>	<b>144/54 pcs</b>	<b>240/90 pcs</b>	<b>320/120 pcs</b>
<b>Working voltage:</b>	<b>AC100-277V</b>	<b>AC100-277V</b>	<b>AC100-277V</b>	<b>AC100-277V</b>
<b>Driver</b>	<b>Meanwell/Mosun</b>	<b>Meanwell/Mosun</b>	<b>Meanwell/Mosun</b>	<b>Meanwell/Mosun</b>
<b>Beam angle:</b>	<b>60° /90° /120° /T2 /T3</b>			
<b>Lumen efficiency:</b>	<b>130/160lm/w</b>	<b>130/160lm/w</b>	<b>130/160lm/w</b>	<b>130/160lm/w</b>
<b>Power Factor:</b>	<b>&gt;0.95</b>	<b>&gt;0.95</b>	<b>&gt;0.95</b>	<b>&gt;0.95</b>
<b>Correlated Color Temperature:</b>	<b>3000K-6500K</b>	<b>3000K-6500K</b>	<b>3000K-6500K</b>	<b>3000K-6500K</b>
<b>Color rendering index:</b>	<b>≥70</b>	<b>≥70</b>	<b>≥70</b>	<b>≥70</b>
<b>IP Rating:</b>	<b>IP66</b>	<b>IP66</b>	<b>IP66</b>	<b>IP66</b>
<b>Material</b>	<b>Aluminum Alloy</b>	<b>Aluminum Alloy</b>	<b>Aluminum Alloy</b>	<b>Aluminum Alloy</b>
<b>Warranty</b>	<b>5 years</b>	<b>5 years</b>	<b>5 years</b>	<b>5 years</b>

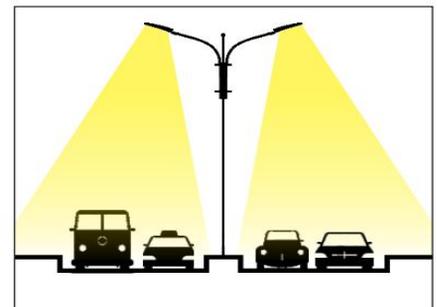
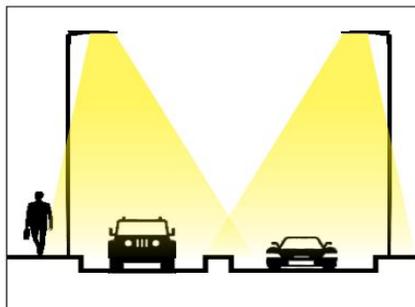
## Photometric distribution

### OPTICS

Tech. Support: Tell us the road length, width and pole height. We have engineer team to respond the DIALUX simulations for lights quantity calculation and effects. .ies files are available upon request.



### APPLICATIONS



## Breathing valve Optional:



- Waterproof
- Air circulation
- Pressure balance

## Driver brand optional:

- Turefull
- Meanwell
- Philips
- Inventronics

**TUREFULL**

**MW**  
MEAN WELL

**PHILIPS**

**INVENTRONICS**  
DRIVING THE LIGHTING REVOLUTION

## SPD optional:

- SPD 10KV
- SPD 20KV



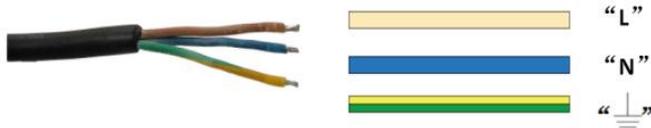
## Features

- ◆ Suitable for use in luminaire with Class I or Class II installations
- ◆ Protection mode : L-N, L-PE, N-PE
- ◆ Built-in thermal detachment function, higher security
- ◆ Parallel wiring, easy maintenance
- ◆ Excellent impact resistance, low voltage limit
- ◆ Built-in LED indication, saves maintenance time by identifying replacement need
- ◆ IP67-Dust-tight and water resistant

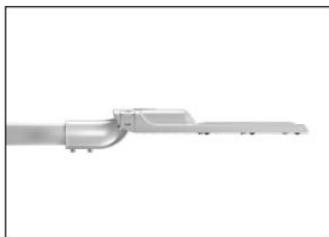
## Installation Instructions

### Attention:

- 1) Be sure disconnect power before installing, don't construction with electricity.
- 2) Product working voltage is AC100~277V,50/60Hz, Please do not exceed the working voltage range.
- 3) Input product line, brown is **L**, blue is **N**, yellow-green is **GND**.
- 4) Be sure wiring is closed and prevent leakage, when installing.
- 5) The lamp can not be used in violation of any fire regulations.



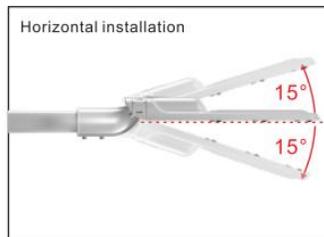
### TWO INSTALLATION METHODS



Horizontal installation



Vertical installation



Adjustable up and down 15°



Adjustable up 15°

**Package**

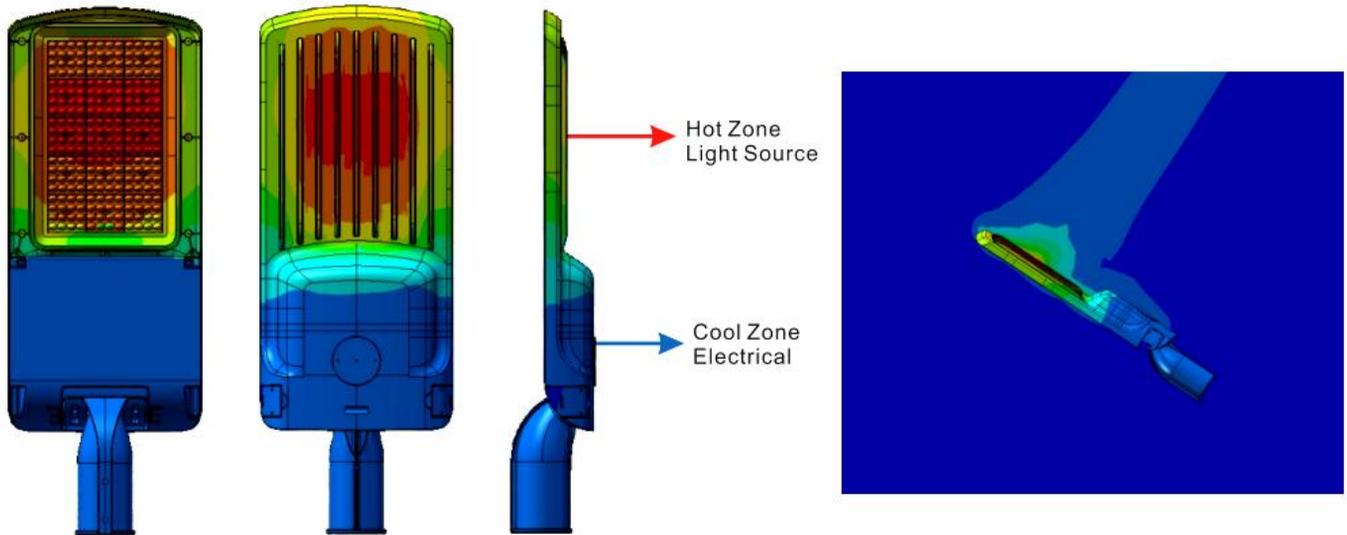
Item	MS-LSH50W-SDL01	MS-LSH100W-SDL02	MS-LSH150W-SDL03	MS-LSH200W-SDL04
Package Qty	1 PC	1 PC	1 PC	1 PC
GW	3.4 KGS	3.8 KGS	5.7KGS	7.8 KGS
Cartons (mm)	630*220*150MM	640*270*150MM	740*270*150MM	745*320*150MM

**PACKAGING**



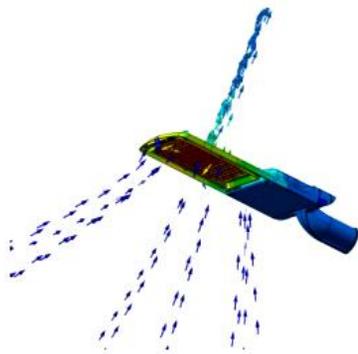
## THERMAL MANAGEMENT

Structure is optimized by advanced FEA technology. Achieving longer lifespan at best cost-efficiency. Thermal-Electrical separated structure ensures better lumen maintenance rate.

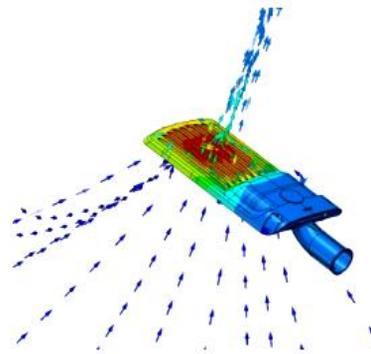


Thermal Conductivity

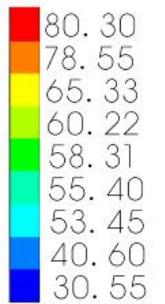
Thermal Effects to Air



Thermal Air Convection

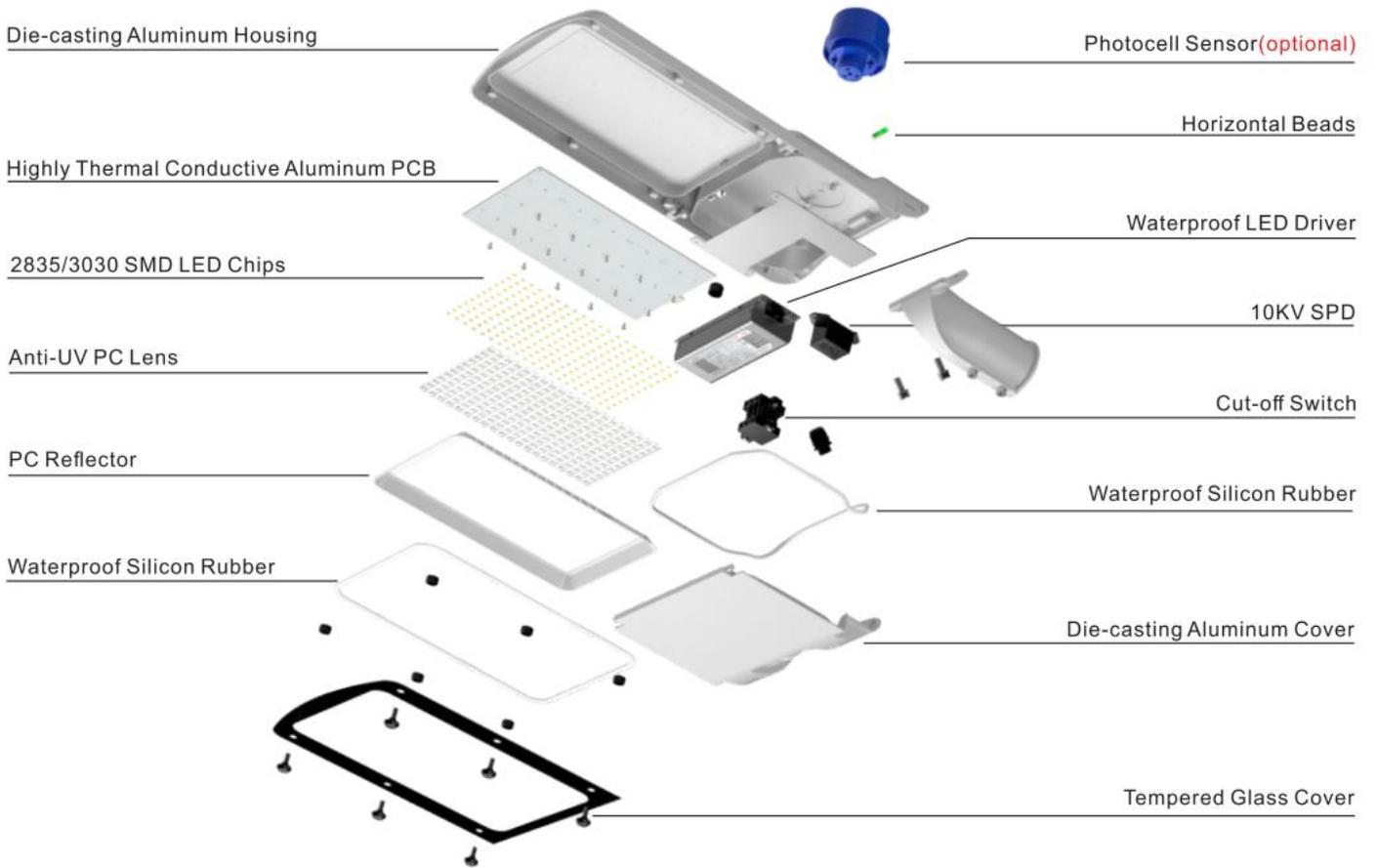


Thermal Air Convection



Unit: °C

# EXPLODED



## Mosun Warranty Policy

All products are under 5-year warranty since the date of luminaires were delivered to you.

1. Under warranty terms, if products are broken down under normal usage within warranty period, Mosun company will provide new lamp for instead of or provide FREE Maintenance service based on the proof-documents and invoice (copy) of the failed products.
2. Mosun company will not provide paid maintenance service under following conditions even within warranty period.
  - a) Failure or damage caused by force majeure.
  - b) Failure or damage caused by transportation or unloading
  - c) Failure or damage caused by incorrect usage or fail to comply with the manual and caution
  - d) Failure or damage caused by demolition, repair or alternation without our authorization.
3. Mosun company always reserves the right for final explanation of aforesaid terms

Tool-free maintenance



Thermal-electrical  
Separated Structure