

# SE SERIES LED Street Light

**5** YEAR  
WARRANTY



## Areas of application

- Local roads
- Express roads
- Town roads
- Residential area roads
- Pedestrian crossings
- Parking areas

## Product Benefits

- 70% energy saving, short ROI period
- Up to 100, 000hrs @ L70, low maintenance cost
- World class, approbated quality components (LEDs /Driver /etc.)
- Support horizontal and vertical mounted, suitable for different light poles
- Tool-less opening of driver box, ease of maintenance
- 5 years warranty

## Product Features

- Luminaire efficacy: Up to 170 lm /w
- Lifetime more than 100, 000 hours
- Impact resistance: IK10
- Type of protection: IP66



## Product Datasheet

### Version S

Model No		MK-SE1-20	MK-SE1-20+	MK-SE1-40	MK-SE1-40+	MK-SE1-60	MK-SE1-80
Nominal Wattage		20W	20W	40W	40W	60W	80W
3030 Version	Efficiency Lumen	155 lm /w 3100 lm	165 lm /w 3300 lm	150 lm /w 6000 lm	160 lm /w 6400 lm	150 lm /w 9000 lm	140 lm /w 11200 lm
5050 Version	Efficiency Lumen	160 lm /w 3200 lm	170 lm /w 3400 lm	160 lm /w 6400 lm	165 lm /w 6600 lm	160 lm /w 9600 lm	155 lm /w 12400 lm

### Version M

Model No		MK-SE2-80	MK-SE2-80+	MK-SE2-100	MK-SE2-120	MK-SE2-150
Nominal Wattage		80W	80W	100W	120W	150W
3030 Version	Efficiency Lumen	150 lm /w 12000 lm	160 lm /w 12800 lm	155lm /w 15500 lm	155 lm /w 18600 lm	145 lm /w 21750 lm
5050 Version	Efficiency Lumen	160 lm /w 12800 lm	170 lm /w 13600 lm	165 lm /w 16500 lm	160 lm /w 19200 lm	155 lm /w 23250 lm

### Version L

Model No		MK-SE3-150	MK-SE3-150+	MK-SE3-180	MK-SE3-200	MK-SE3-240
Nominal Wattage		150W	150W	180W	200W	240W
3030 Version	Efficiency Lumen	150 lm /w 22500 lm	160 lm /w 24000 lm	150 lm /w 27000 lm	150 lm /w 30000 lm	150 lm /w 36000 lm
5050 Version	Efficiency Lumen	155 lm /w 23250 lm	165 lm /w 24750 lm	160 lm /w 28800 lm	160 lm /w 32000 lm	160 lm /w 38400 lm

\*Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

\*Values shown are subject to ±5% tolerance.

### Electrical Data:

Nominal Voltage	AC 100-240V /277V   50 /60Hz
LED	Philips Lumileds
Driver	Inventronics /Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV (available on request)
Optics	Type II, Type III
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (Default) / Ra>80
CCT	3000K, 4000K, 5000K, 5700K

### General Data

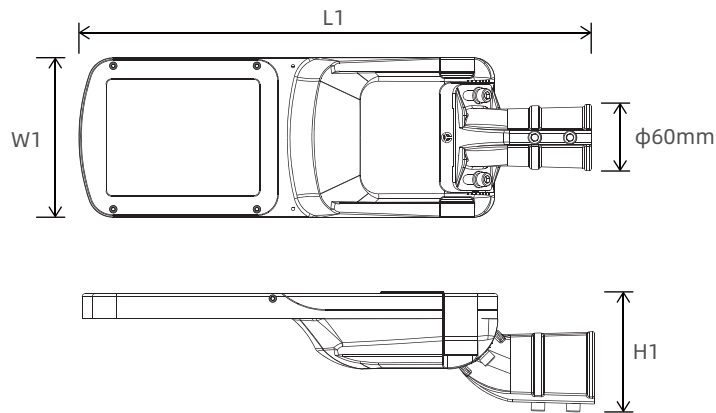
Body Material	High pressure die-cast aluminum
Housing Color	Gray (Default) /Black (available on request)
Cover Material	Tempered glass
Lens Material	UV-resistant Polycarbonate
Working Environment	-40°C ~ +50°C, 10% ~90%RH
Lifespan L70 at 25 °C	>100, 000 h
Mounting Type	Side entry or Vertical pole mounted
Dimmable	1-10V Dimming (Default) /Timer Dimming
Protection Class	Class I (Default) /Class II
Standards	CE, RoHS, LM79, LM80, TM-21, IP66, IK10
Available on request	NEMA socket (3/5/7pins), ZHAGA socket, Short cap, Photocell, Motion sensor, Knife switch, NTC, OLC, Solar Compatible, DALI Dimming

Product Datasheet

Structure Drawing:



Dimension:

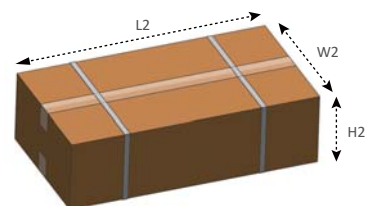


Fixture Information

Version	L1 xW1 xH1	Weight
S	610 x190 x143mm	4.7kg
M	660 x240 x143mm	5.8kg
L	762 x290 x143mm	8.1kg

Package Information

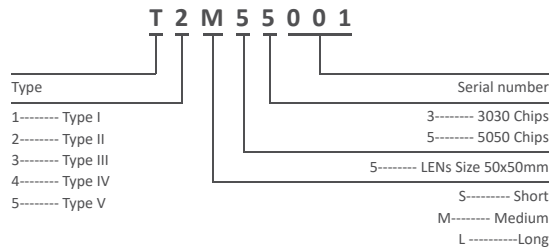
Version	L2 xW2 xH2	Weight
S	545 x240 x175mm	5.2kg
M	600 x295 x175mm	6.4kg
L	705 x345 x175mm	8.8kg



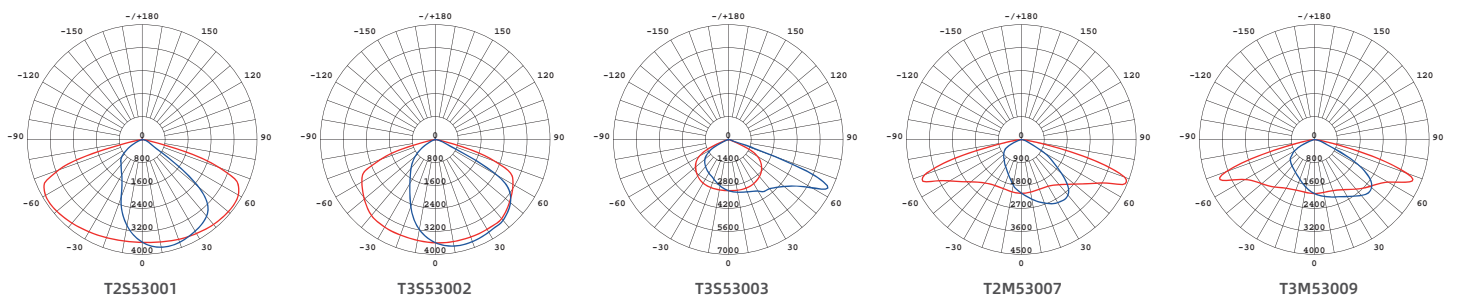
## Product Datasheet

### Light Distributions

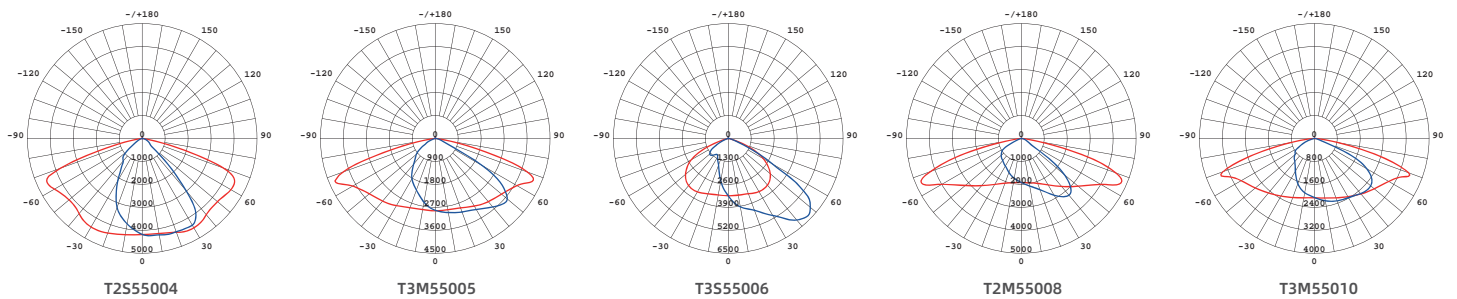
#### Order reference



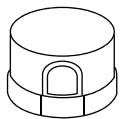
#### 3030 Version



#### 5050 Version



#### Optional accessories



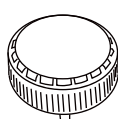
Photocell



Shorting Cap



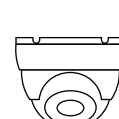
NEMA Socket  
(3 / 5 / 7pin)



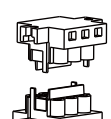
Motion Sensor



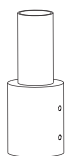
Smart Controller



Camera



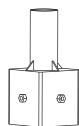
Knife switch



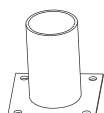
"80-60mm"



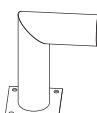
"60-40mm"



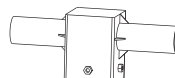
Square to round



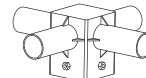
"T" Type



"L" Type



"2" in "1"



"4" in "1"