

NIKKON®

SIGMA-M LED STREET LANTERN



LUMINAIRE SPECIFICATIONS

• Power	SIGMA-M 60W SIGMA-M 90W SIGMA-M 100W SIGMA-M 120W SIGMA-M 150W
• Enclosure Material	Die Cast Aluminium
• Optical Cover	95% Transparency Tempered Glass
• Gasket Material	Silicone Rubber Foam
• Fitting Color	Dark Grey Durable Polyester Epoxy Powder Coating
• Operating Temperature	-30 ~ +50°C
• Input Voltage	220 ~ 240 Vac 50 / 60 Hz
• Power Factor	>0.9
• Surge Protection Device (SPD)	20kV, 20kA (20kV, 25kA Upon Request)
• Insulation Classification	Class I
• Ingress Protection	IP66
• Impact Protection	IK09
• Spigot Mounting	0°-15° Tilting Ø48 - Ø60mm Post Top / Side Entry (Standard)

APPLICATION

- Sigma M - Pathways, Car Parks, Foot Paths, Access Ways, Parks
Road Lightings, Residential Areas & Pedestrian Areas

LED MODULE SPECIFICATIONS

• LED Source	5050
• CCT	3000K Warm White 4000K Neutral White 5000K Cool White (Other CCT Upon Request)
• Lumen	≥140 lm / Watt
• CRI	Min 70
• L70	100,000 Hrs @ 25°C
• PCB Material	Metal Core (UL Certified)
• Lens (94% Efficiency)	Type II Type III

COMPLIANCE STANDARD

• LED	Performance - LM80 Safety - UL Environmental - RoHS
• LED DRIVER	Electromagnetic Compatibility (EMC) - EN55015, IEC/EN61000 IEC/EN61547, IEC CISPR Safety - IEC/EN61347, EN62384
• LUMINAIRE	Safety - IEC60598-1, IEC60598-2-3, IEC62471, IEC62031 Electromagnetic Compatibility (EMC) - IEC62471, IEC61000, IEC61547, IEC62493 Performance - LM79, IEC62722
• SPD	Safety - IEC61643-11

MEASUREMENT & ORDER CODE

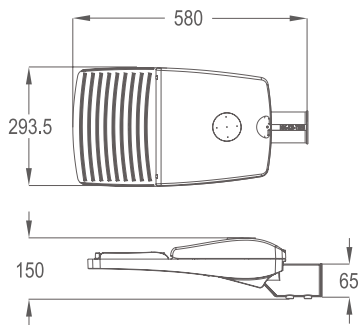
WATTAGE	ORDER CODE	NO. OF LEDS	LUMEN	CARTON DIMENSION (L x W x H) mm	NETT WEIGHT
60W	SIGMA-M 60W	32	8400	495 x 315 x 205	6.86 kg
90W	SIGMA-M 90W	48	12600	495 x 315 x 205	7.05 kg
100W	SIGMA-M 100W	72	14000	495 x 315 x 205	7.22 kg
120W	SIGMA-M 120W	72	17460	495 x 315 x 205	7.22 kg
150W	SIGMA-M 150W	72	21385	495 x 315 x 205	7.30 kg

* All result tested base on 4000K CCT LEDs.

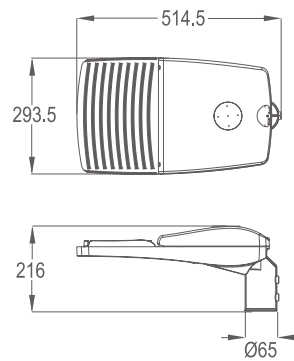


DIMENSION

SIGMA-M-Side Entry

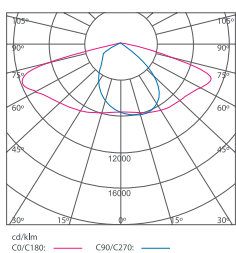


SIGMA-M-Post Top

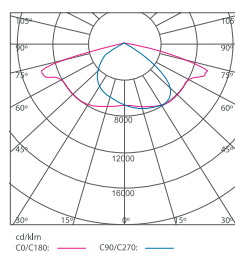


PHOTOMETRIC

Type II



Type III



Note: All specifications are subject to change without prior notice for product improvement. Images, pictures, and illustrations used are for illustrative purposes only and the color printed may differ from the actual product.

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SIGMA-L LED STREET LANTERN



LUMINAIRE SPECIFICATIONS

• Power	SIGMA-L 180W SIGMA-L 200W
• Enclosure Material	Die Cast Aluminium
• Optical Cover	95% Transparency Tempered Glass
• Gasket Material	Silicone Rubber Foam
• Fitting Color	Dark Grey Durable Polyester Epoxy Powder Coating
• Operating Temperature	-30 ~ +50°C
• Input Voltage	220 ~ 240 Vac 50 / 60 Hz
• Power Factor	>0.9
• Surge Protection Device (SPD)	20kV, 20kA (20kV, 25kA Upon Request)
• Insulation Classification	Class I
• Ingress Protection	IP66
• Impact Protection	IK09
• Spigot Mounting	0°-15° Tilting Ø48 - Ø60mm Post Top / Side Entry (Standard)

APPLICATION

- Sigma L - Pedestrian Areas, Residential Areas, Rural Roads
Urban Roads & Expressway Lightings

LED MODULE SPECIFICATIONS

• LED Source	5050
• CCT	3000K Warm White 4000K Neutral White 5000K Cool White (Other CCT Upon Request)
• Lumen	≥140 lm / Watt
• CRI	Min 70
• L70	100,000 Hrs @ 25°C
• PCB Material	Metal Core (UL Certified)
• Lens (94% Efficiency)	Type II Type III

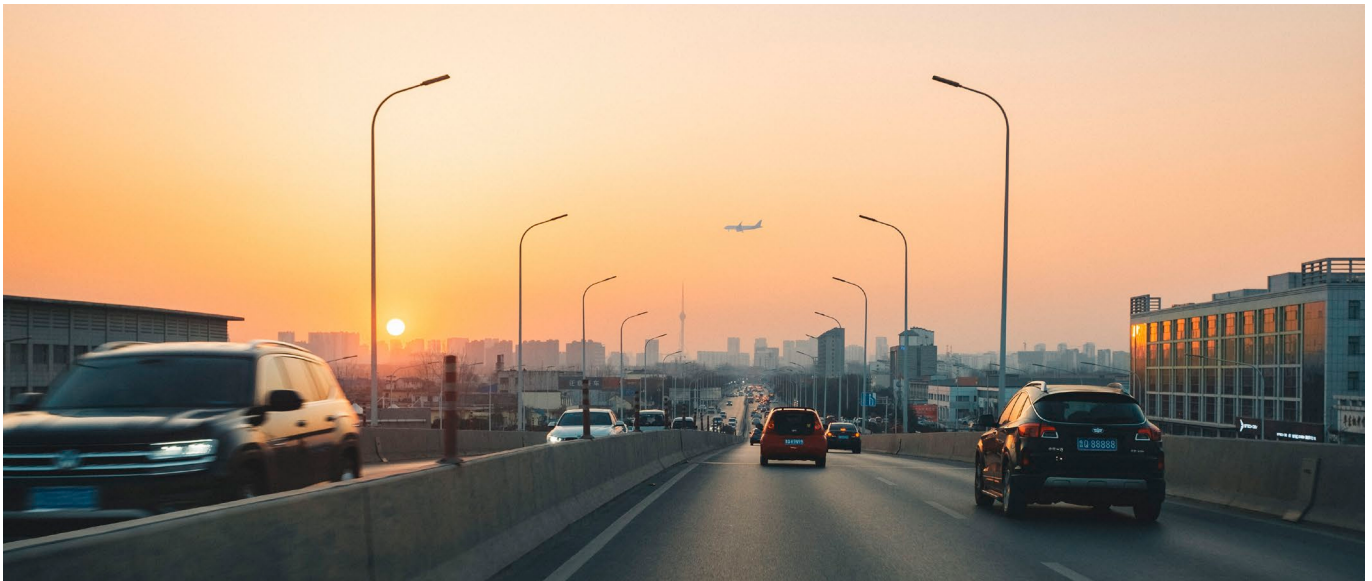
COMPLIANCE STANDARD

• LED	Performance - LM80 Safety - UL Environmental - RoHS
• LED DRIVER	Electromagnetic Compatibility (EMC) - EN55015, IEC/EN61000 IEC/EN61547, IEC CISPR Safety - IEC/EN61347, EN62384
• LUMINAIRE	Safety - IEC60598-1, IEC60598-2-3, IEC62471, IEC62031 Electromagnetic Compatibility (EMC) - IEC62471, IEC61000, IEC61547, IEC62493 Performance - LM79, IEC62722
• SPD	Safety - IEC61643-11

MEASUREMENT & ORDER CODE

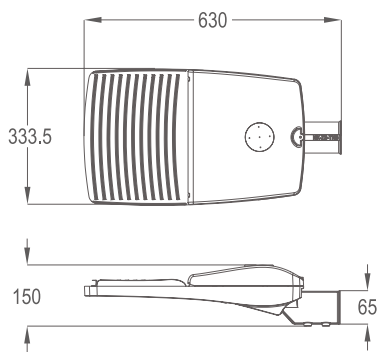
WATTAGE	ORDER CODE	NO. OF LEDS	LUMEN	CARTON DIMENSION (L x W x H) mm	NETT WEIGHT
180W	SIGMA-L 180W	96	25710	545 x 350 x 205	8.00 kg
200W	SIGMA-L 200W	96	29650	545 x 350 x 205	8.00 kg

* All result tested base on 4000K CCT LEDs.

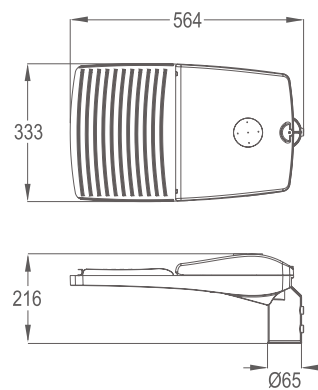


DIMENSION

SIGMA-L-Side Entry

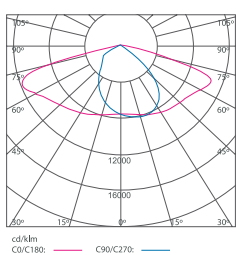


SIGMA-L-Post Top

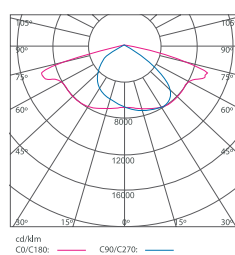


PHOTOMETRIC

Type II



Type III



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