

AVQ-ST240-A

LED Street Light



5 YEAR
WARRANTY



Areas of application

- Road lighting -
- Docks -
- Bridges -
- Parks -
- Residential areas -



ISO 9001
ISO 14001
ISO 45001
ISO 50001



Product Benefits

- 70% energy saving with a short ROI period
- Up to 100,000 h @ L70, with low maintenance cost
- Quality components from recognized suppliers (LED / driver / etc.)
- Supports horizontal and vertical mounting for different light poles
- Tool-less opening of driver box for easier maintenance
- Spring latch pin enables tool-free removal of the main luminaire body
- 5-year warranty

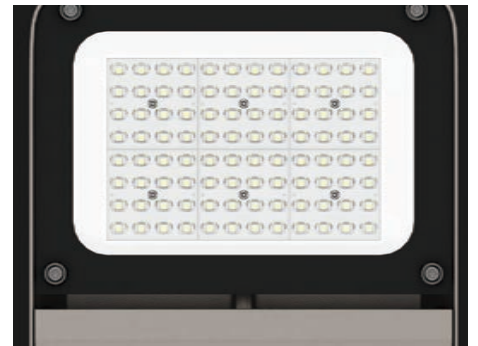
Product Features

- Luminaire efficacy: up to 176 lm/W
- Lifetime: more than 100,000 hours
- Impact resistance: IK09
- Protection rating: IP66



Product Datasheet

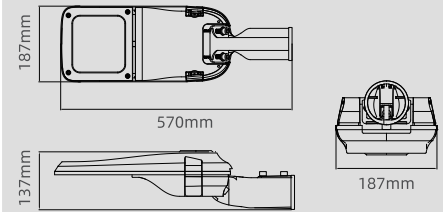
Structure Drawing:



Product Datasheet

Version S

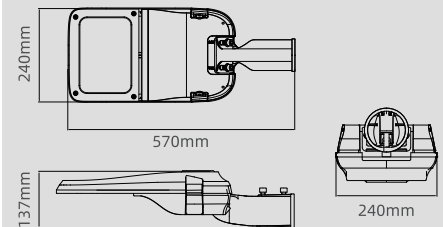
Model	AVQ-ST240-A	AVQ-ST240-A	AVQ-ST240-A	AVQ-ST240-A
Nominal wattage	30W	40W	50W	60W
3030 Version - Efficiency	150 lm/W	150 lm/W	150 lm/W	140 lm/W
3030 Version - Luminous flux	4500 lm	6000 lm	7500 lm	8400 lm
5050 Version - Efficiency	160 lm/W	160 lm/W	160 lm/W	160 lm/W
5050 Version - Luminous flux	4800 lm	6400 lm	8000 lm	9600 lm
Ultra Version - Efficiency	176 lm/W	176 lm/W	176 lm/W	176 lm/W
Ultra Version - Luminous flux	5280 lm	7040 lm	8800 lm	10560 lm
Net weight (kg)	3.3	3.3	3.3	3.3
Packing size (mm)	470 x 240 x 180	470 x 240 x 180	470 x 240 x 180	470 x 240 x 180
Gross weight (kg)	3.8	3.8	3.8	3.8



Version S

Version M

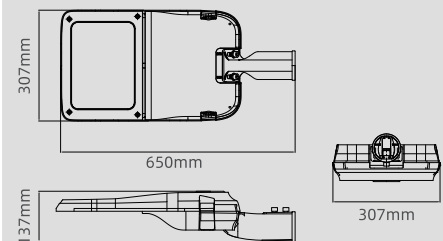
Model	AVQ-ST240-A	AVQ-ST240-A
Nominal wattage	80W	100W
3030 Version - Efficiency	140 lm/W	140 lm/W
3030 Version - Luminous flux	11200 lm	14000 lm
5050 Version - Efficiency	160 lm/W	160 lm/W
5050 Version - Luminous flux	12800 lm	16000 lm
Ultra Version - Efficiency	176 lm/W	176 lm/W
Ultra Version - Luminous flux	14080 lm	17600 lm
Net weight (kg)	4.0	4.0
Packing size (mm)	470 x 287 x 180	470 x 287 x 180
Gross weight (kg)	4.6	4.6



Version M

Version L

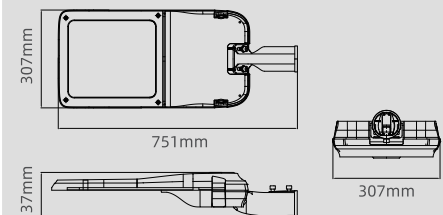
Model	AVQ-ST240-A	AVQ-ST240-A
Nominal wattage	120W	150W
3030 Version - Efficiency	140 lm/W	145 lm/W
3030 Version - Luminous flux	16800 lm	21750 lm
5050 Version - Efficiency	160 lm/W	160 lm/W
5050 Version - Luminous flux	19200 lm	24000 lm
Ultra Version - Efficiency	176 lm/W	176 lm/W
Ultra Version - Luminous flux	21120 lm	26400 lm
Net weight (kg)	5.4	5.4
Packing size (mm)	550 x 357 x 180	550 x 357 x 180
Gross weight (kg)	6.3	6.3



Version L

Version XL

Model	AVQ-ST240-A	AVQ-ST240-A	AVQ-ST240-A
Nominal wattage	180W	200W	240W
3030 Version - Efficiency	150 lm/W	150 lm/W	150 lm/W
3030 Version - Luminous flux	27000 lm	30000 lm	36000 lm
5050 Version - Efficiency	160 lm/W	160 lm/W	160 lm/W
5050 Version - Luminous flux	28800 lm	32000 lm	38400 lm
Ultra Version - Efficiency	176 lm/W	176 lm/W	176 lm/W
Ultra Version - Luminous flux	31680 lm	35200 lm	42240 lm
Net weight (kg)	6.7	6.7	6.7
Packing size (mm)	651 x 357 x 180	651 x 357 x 180	651 x 357 x 180
Gross weight (kg)	7.7	7.7	7.7



Version XL

Version XL

- Net product weight does not include the light-control base or other controllers.
- Values above are calculated for CCT above 3000 K; at 3000 K they are approximately 5% lower.
- Values shown are subject to +/-5% tolerance.

Product Datasheet

Electrical Data:

Nominal Voltage	AC 100-240 V / 277 V 50 / 60 Hz
LED	Lumileds / other brands on request
Driver	Inventronics / other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10 kV (default) / 20 kV (available on request)
Optics	Type II, Type III, asymmetric for pedestrian crossings
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (default) / Ra>80
CCT	1800 K, 2200 K, 2700 K, 3000 K, 4000 K, 5000 K, 5700 K, 6500 K

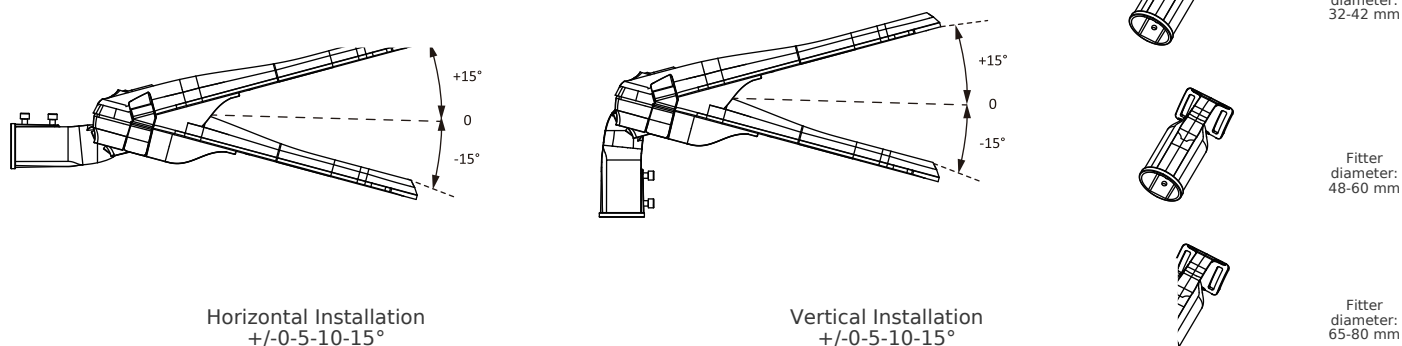
General Data

Body Material	High-pressure die-cast aluminum
Housing Color	Gray RAL9007 (default) / other colors on request
Cover Material	Tempered glass
Lens Material	UV-resistant polycarbonate
Working Environment	-40 °C to +50 °C, 10%-90% RH
Lifespan L70 at 25 °C	>100,000 h
Mounting Type	Side entry or vertical pole mounted
Dimmable	1-10 V dimming (default) / timer dimming / DALI dimming
Protection Class	Class I (default) / Class II
Certifications & Standards	CE, RoHS, ENEC, CB, LM79, LM80, TM-21, IEC62471, IEC60068-2-6, IEC61643-11
Available on request	NEMA socket (3/5/7 pins), ZHAGA socket, short cap, photocell, motion sensor, NTC, OLC, solar compatible, smart controller

Packaging



Flexible Fitter



Product Datasheet

Order reference

T 2 M 5 5 0 0 1

Type

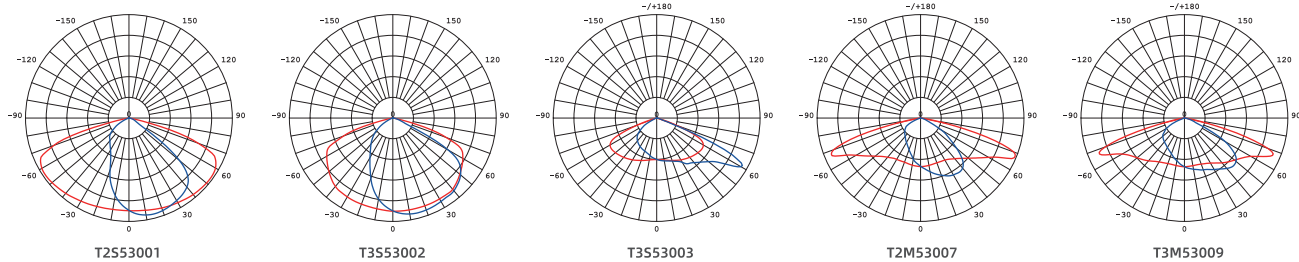
- 1----- Type I
- 2----- Type II
- 3----- Type III
- 4----- Type IV
- 5----- Type V

Serial number

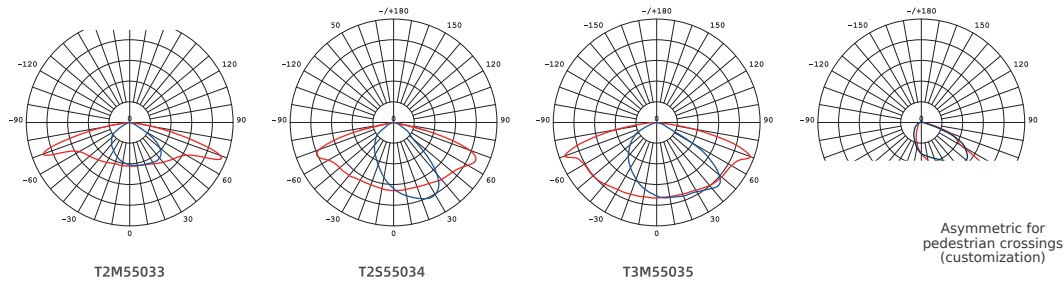
- 3----- 3030 chips
- 5----- 5050 chips
- 5----- Lens size 50x50 mm
- S----- Short
- M----- Medium
- L----- Long

Light Distributions

3030 Version



5050 Version



Optional Accessories



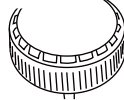
Photocell



Shorting Cap



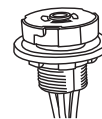
NEMA Socket
(3 / 5 / 7 pin)



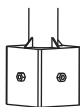
Motion Sensor



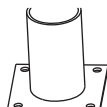
Smart Controller



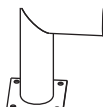
ZHAGA Socket



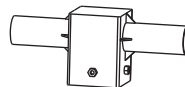
Square to round



"T" Type



"L" Type



"2 in 1"



"4 in 1"

