

LED STREET LIGHTS

Urban roads



7 YEAR WARRANTY

Areas of application

- Urban 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
- 7 years warranty

LED Street Light

Product Features

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



LED STREET LIGHTS



Product Datasheet

Version S

Model No		FH-ST19-30S	FH-ST19-30S*	FH-ST19-50S	FH-ST19-60S
Nominal Wattage		30W	30W	50W	60W
3030 Version	Efficiency Lumen	150 lm /w 4500 lm	155 lm /w 4650 lm	150 lm /w 7500 lm	150 lm /w 9000 lm
5050 Version	Efficiency Lumen	160 lm /w 4800 lm	165 lm /w 4950 lm	165 lm /w 8250 lm	165 lm /w 9900 lm
Net Weight (Kgs)		4.0	4.0	4.0	4.0
Packing Size (mm)		480 x310 x175	480 x310 x175	480 x310 x175	480 x310 x175
Gross Weight (Kgs)		4.7	4.7	4.7	4.7

Version M

Model No		FH-ST19-80M	FH-ST19-100M
Nominal Wattage		80W	100W
3030 Version	Efficiency Lumen	150 lm /w 12000 lm	145lm /w 14500 lm
5050 Version	Efficiency Lumen	160 lm /w 12800 lm	155 lm /w 15500 lm
Net Weight (Kgs)		4.4	4.4
Packing Size (mm)		545 x310 x175	545 x310 x175
Gross Weight (Kgs)		5.0	5.0

Version L

Model No		FH-ST19-100L	FH-ST19-100L*	FH-ST19-120L	FH-ST19-150L
Nominal Wattage		100W	100W	120W	150W
3030 Version	Efficiency Lumen	160 lm /w 16000 lm	165 lm /w 16500 lm	155 lm /w 18600 lm	155 lm /w 23250 lm
5050 Version	Efficiency Lumen	165 lm /w 16500 lm	170 lm /w 17000 lm	165 lm /w 19800 lm	165 lm /w 24750 lm
Net Weight (Kgs)		6.0	6.0	6.0	6.0
Packing Size (mm)		610 x365 x175	610 x365 x175	610 x365 x175	610 x365 x175
Gross Weight (Kgs)		6.7	6.7	6.7	6.7

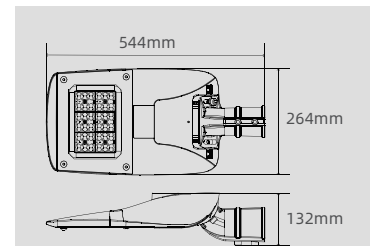
Version XL

Model No		FH-ST19-150XL*	FH-ST19-180XL	FH-ST19-200XL
Nominal Wattage		150W	180W	200W
3030 Version	Efficiency Lumen	160 lm /w 24000 lm	150 lm /w 27000 lm	155 lm /w 31000 lm
5050 Version	Efficiency Lumen	170 lm /w 25500 lm	155 lm /w 27900 lm	160 lm /w 32000 lm
Net Weight (Kgs)		6.8	6.8	6.8
Packing Size (mm)		665 x365x175	665 x365x175	665 x365x175
Gross Weight (Kgs)		7.6	7.6	7.6

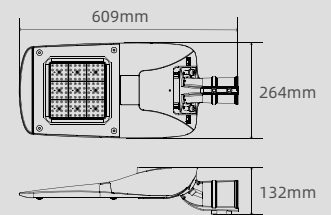
-Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

-Values shown are subject to ±5% tolerance.

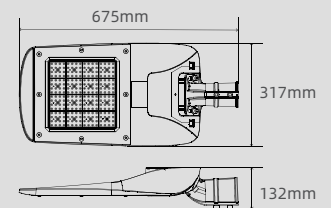
-Model No with "*" means high efficiency version.



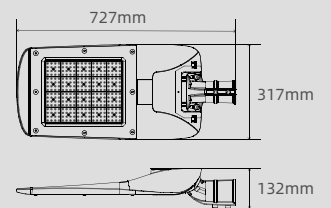
Version S



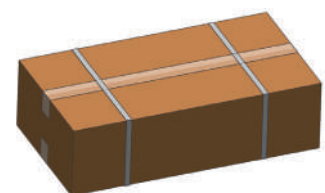
Version M



Version L



Version XL



LED STREET LIGHTS

Product Datasheet

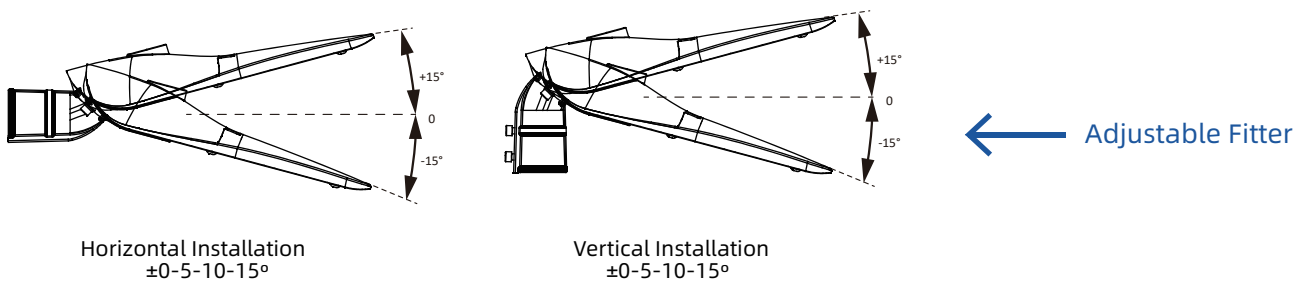
Electrical Data:

Nominal Voltage	AC 100-240V /277V 50 /60Hz
LED	Philips Lumileds
Driver	Inventronics /Other brands on request-Men Well
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV (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	3000K, 4000K, 5000K, 5700K

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 ~ +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
Certifications & Standards	CE, RoHS, ENEC, CB, LM79, LM80, TM-21, IP66, IK10, IEC62471, IEC60068-2-6, IEC61643-11
Available on request	NEMA socket (3/5/7pins), ZHAGA socket, Short cap, Photocell, Motion sensor, Knife switch, NTC, OLC, Solar Compatible, DALI Dimming

Flexible Fitter



Two Sizes Fitter →



Diameter: 60mm/2.36"



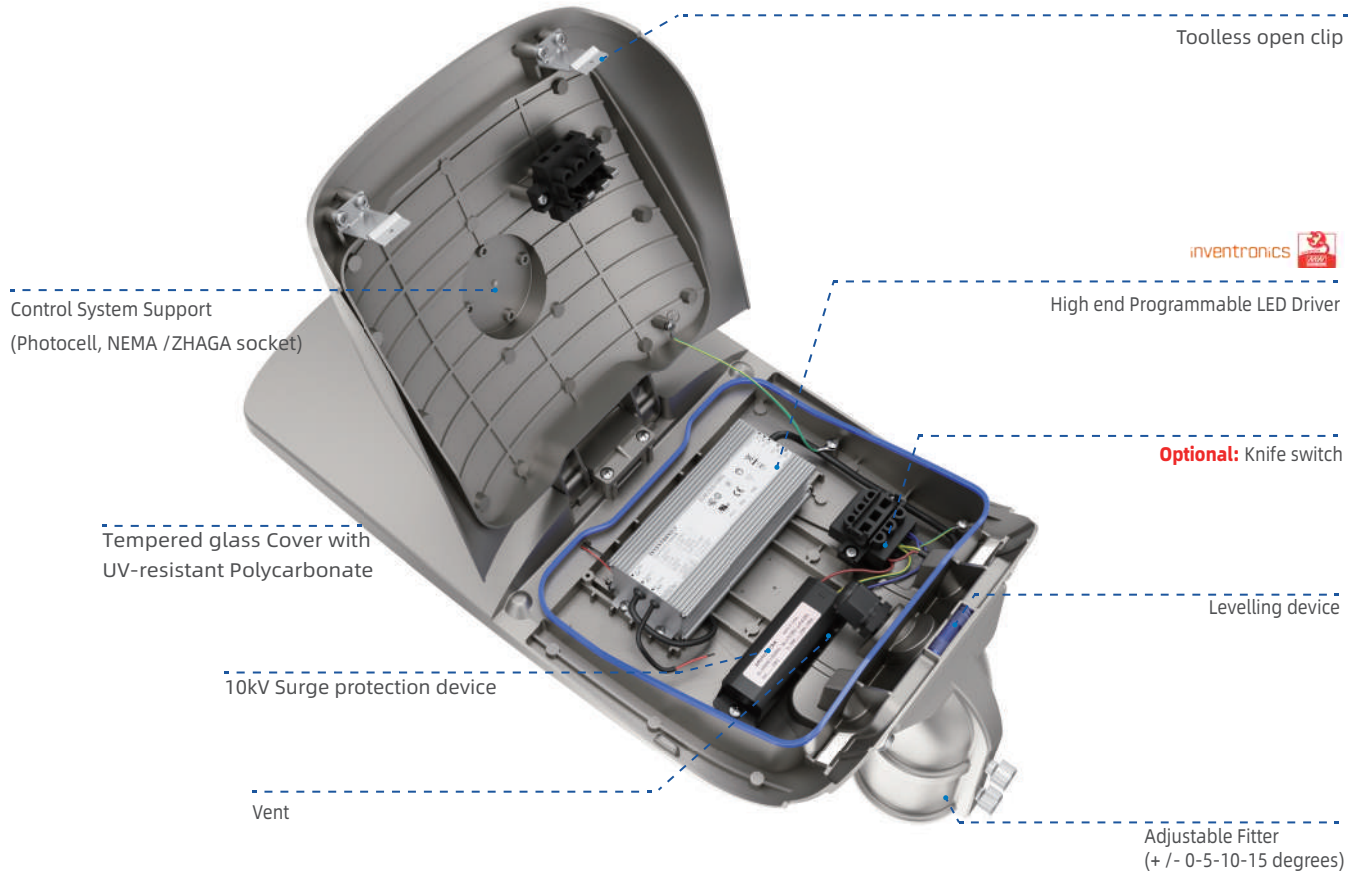
Diameter: 80mm/3.15"



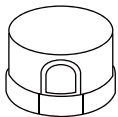
LED STREET LIGHTS

Product Datasheet

Structure Drawing:



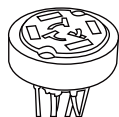
Optional accessories



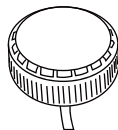
Photocell



Shorting Cap



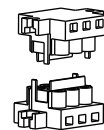
NEMA Socket (3 /5 /7pin)



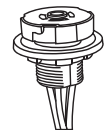
Motion Sensor



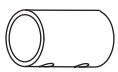
Smart Controller



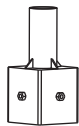
Knife switch



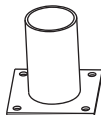
ZHAGA Socket



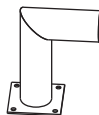
"60-40mm"



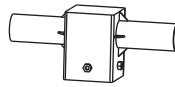
Square to round



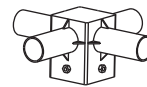
"T" Type



"L" Type



"2" in "1"



"4" in "1"



80mm fitter



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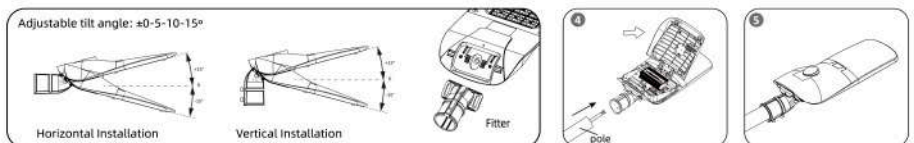
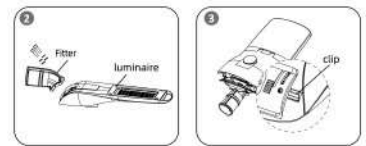
LED STREET LIGHT INSTALLATION GUIDE

VOLTAGE	AC 100-240V /277V
PROTECTION CLASS	Class I (Default) / Class II
POWER FACTOR	>0.95
OPERATING TEMP	-40°C ~ +50°C
OPTICS	Type II, Type III, Asymmetric for pedestrian crossings
HOUSING	High pressure die-cast aluminum
HOUSING COLOR	Gray (Default) / Others (available on request)
MOUNTING	Side entry or Vertical pole mounted
IP RATING	IP66
IK RATING	IK10
Lifespan L70 at 25 °C	>100,000 h
MAX MOUNTED HEIGHT	15m
WARRANTY	7 years

Version	Nominal Wattage W	Fixture Dimension mm	Fixture Weight kg	Packing Type units /ctn	EPA m²
S	30 /50 / 60	544 x264 x132	4.0(±0.1)	1	0.172
M	80 /100	609 x264 x132	4.4(±0.1)	1	0.193
L	100 / 120 / 150	675 x317 x132	6.0(±0.1)	1	0.257
XL	150 / 180 / 200	727 x317 x132	6.8(±0.1)	1	0.277

INSTALLATION & CONNECTION INSTRUCTIONS

- STEP 1: Open the package and check the product. In case of any damage, contact us.
 STEP 2: Fasten the fitter onto street light with screws provided and adjust the fitter in the desired tilt angle.
 STEP 3: Push the clips to open the cover of driver box. Insert the pole and external power cord into the luminaire. Tighten the M16 connector.
 STEP 4: Connect the cable to knife switch or terminal block. Be sure to connect the cable correctly. Brown-Live, Blue-Neutral, Yellow/Green-Ground(Class II version only). Fix the luminaire and pole by allen wrench.
 STEP 5: Close the cover. Switch the power on and check to see that the street light works properly.
 Recommended torque: 17Nm ± 1Nm



CAUTION

- Installation and maintenance must be performed by professionals only.
- Please ensure the pole is strong enough and the screws are tightened.
- The ground wire must be securely connected (Class I version only).
- Please make sure the lamp is working with correct input voltage.
- Cut off the power before maintenance.
- Do not use chemicals or corrosive cleaner to clean the fixture.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by qualified person in order to avoid a hazard.

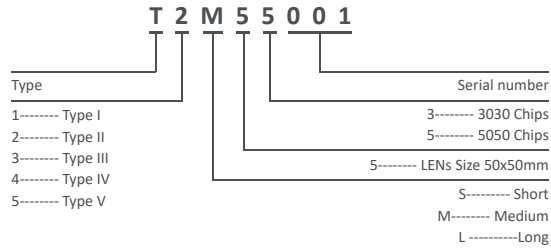


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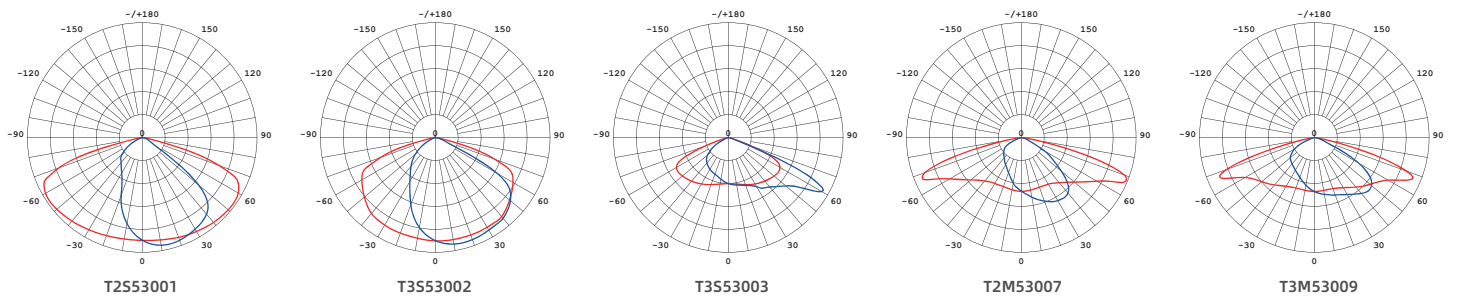
Product Datasheet

Light Distributions

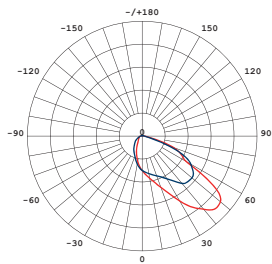
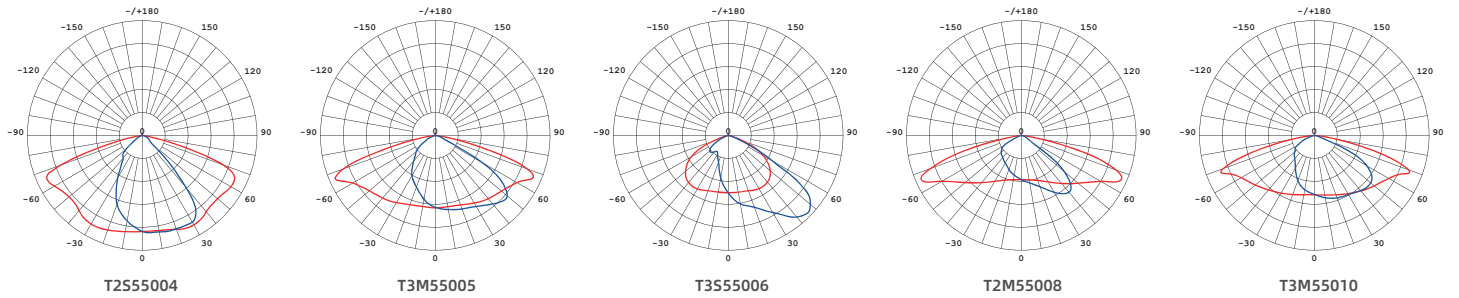
Order reference



3030 Version



5050 Version



Asymmetric for Pedestrian crossings



LED Street Light urban roads



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