

STM

LED Street Light

6KV Surge Protection | IP 66 | 130 LPW

Catalog#	Type
Comment	
Project	Date

DESCRIPTION

LED Streetlights feature the cobra head design and are qualified with CE certificate. High efficacy of 130 LPW and Zhaza Ip66 waterproof is used as area lights in a variety of applications including roadways, parking lots, and other vast outdoor areas. A 5- year at least warranty means your team can focus on keeping critical operations running without having to worry about your street lights. Certainly, fasteners are stainless-steel, captive, and toolless.

CONSTRUCTION & MATERIALS

- ◆ Heavy duty die-cast aluminum housing, fully sealed to be dirt and bug proof
- ◆ New Up-Down Penetrative heat sink design to optimize thermal transfer and maximize performance and life of LED
- ◆ Tempered glass cover
- ◆ IP 66 waterproof protection
- ◆ Safe maintenance function (open-safe) available
- ◆ Install directly onto the pole with Φ60 mm

ENVIRONMENTAL SYSTEM

- ◆ Outdoor wet/damp locations
- ◆ ENEC 15 compliance
- ◆ CE & RoHS Cert.
- ◆ IK 08 Rated (IK 09 available)

ELECTRICAL SYSTEM

- ◆ Standard 6KV surge protection line-earth (10KV surge protection available)
- ◆ Input voltage 120-277VAC, 50/60Hz
- ◆ 200-240VAC

OPTICAL SYSTEM

- ◆ 130 lumens/watt
- ◆ Color temperature: 3000K, 4000K, 5000K, 5700K.
Other color temperature available for special order, consult factory for lead time.
- ◆ Light distribution Type II (85X135) and III (90x140)

LIGHTING CONTROL

- ◆ 0-10vdc dimming available
- ◆ EU Zhaga or NEMA Photocontroller

FINISH

- ◆ Grey

WARRANTY

- ◆ 5 Years

STANDARD

- ◆ EN 61347-1, EN 61347-2-13, EN 60598-2-1, EN 60598-1
- ◆ IEC 60598-1, IEC60598-2-3, IEC 60598-2-1
- ◆ IEC 62262:2002, IEC 60529
- ◆ UL 1807, UL 1598, CAN/CSA -C.22.2 NO. 250.0,



DATASHEET

Model#	LT-STM-030/040/060	LT-STM-080/090	LT-STM-100/120	LT-STM-150
Rating	30W, 40W, 60W	80W,90W	100W,120W	150W
Lumen Output	3,900 lm /5,200 lm/7,800 lm	10,404 lm/11,700 lm	13,620 lm/15,600 lm	19,500 lm
Input Voltage	100-277VAC	100-277VAC	100-277VAC	100-277VAC
Power Factor	>0.90	>0.90	>0.90	>0.90
CRI	70/80	70/80	70/80	70/80
Carton (cm)/PC	555x200x105 mm	615x233x100 mm	615x233x100 mm	675x260x100 mm
L70	>60,000 hrs	>60,000 hrs	>60,000 hrs	>60,000 hrs
Operating Temp.	-40°F to 113°F	-40°F to 113°F	-40°F to 113°F	-40°F to 113°F
Certification	CE,RoHS, IP66	CE,RoHS, IP66	CE,RoHS, IP66	CE,RoHS, IP66

ORDER INFORMATION

Sample Number: LT-ST080-EV-30K-PC-T2-BK

Com.	Series	Wattage	Voltage	CCT	Control Mode	Beam Angle	Finish						
LT	STM	030	30W	Blank	100-277VAC	30K	3000K	PC	Photocell	T3	Type III	Blank	Grey
		060	60W	HV	250-528VAC	40K	4000K	DM	1-10VDC DIM	T2	Type II	BK	Black
		080	80W	EV	200-240VAC	50K	5000K	SD10	Surge Device 10KV			WH	White
		090	90W			57K	5700K	SD20	Surge Device 20KV				
		100	100W					SC	Short Cap Sensor				
		120	120W										
		150	150W										

STM

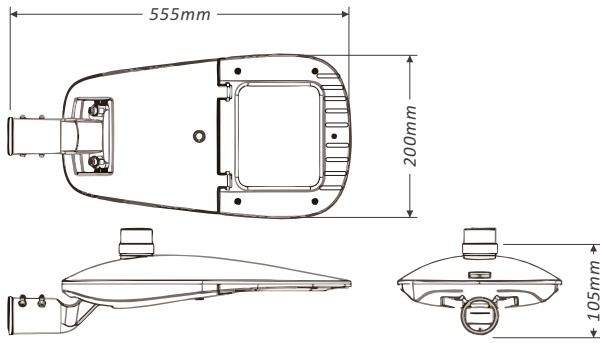
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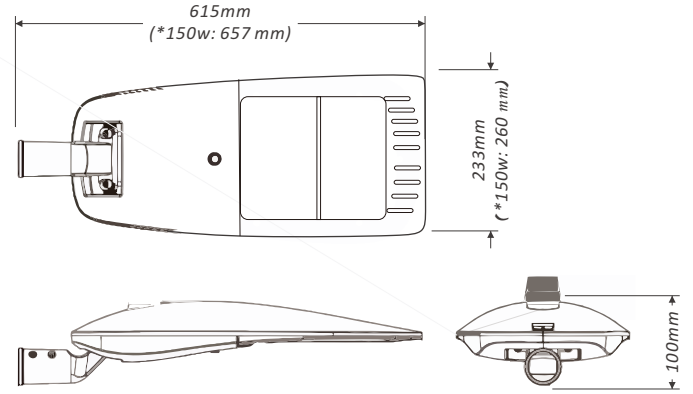
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DIMENSION (Unit:mm)

MODEL# LT-STM-030/040/060



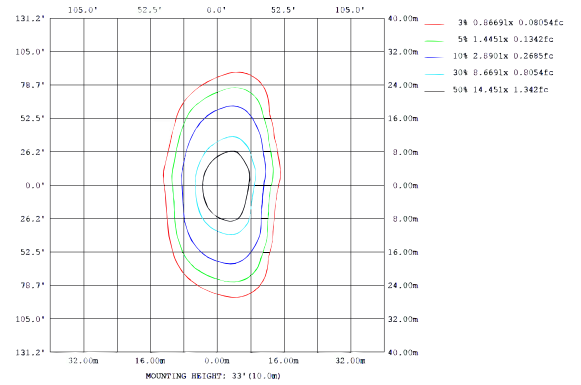
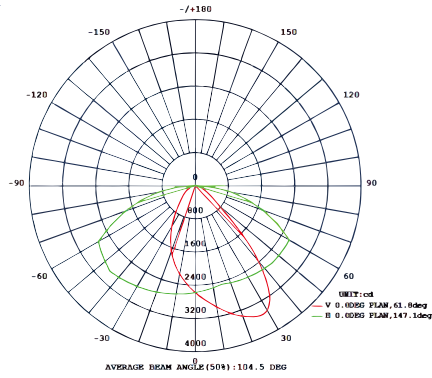
MODEL# LT-STM-080/090/100/120 (*150)



LIGHT DISTRIBUTION

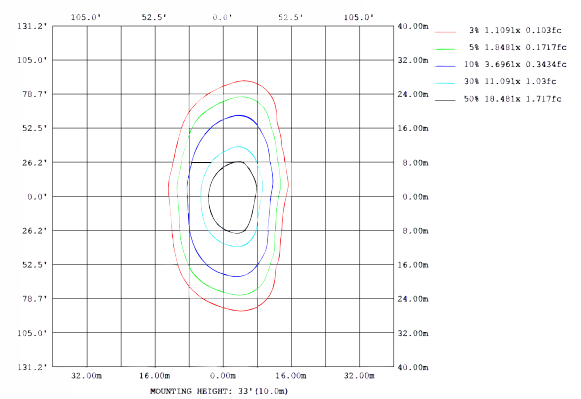
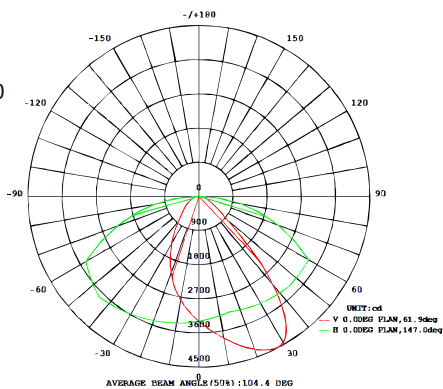
Model# LT-STM060

60 watts
Type II
10,540 Lumens



Model# LT-STH080

80 watts
Type II
12,404 Lumens



LUMEN MAINTENANCE

Test Item	Test Temp.	Lumen Maintenance	Lifetime
Ambient Temp.	25°C	>89%	>52,000 hrs
TM-21 (50,000 hrs)	35°C	>80%	>48,000 hrs
L70 (Theoretical)	45°C	>75%	>46,000 hrs

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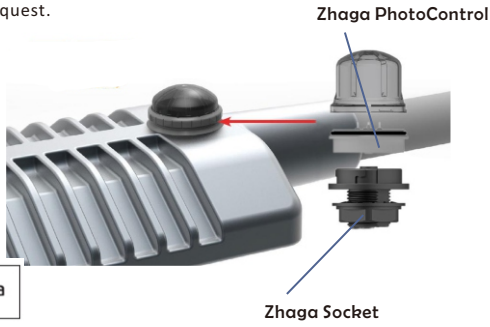
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ACCESSORIES

Zhaga /NEMA Daylight Sensor

- ◆ Phosphor bronze contacts
- ◆ Standardized interface EU Zhaga Book 18 or NEMA
- ◆ Mounted on above 10mm luminaire zhaga receptacle
- ◆ Meet to IP66 design request.



Surge Device



- Maximum Discharge Current, 20kA, 8/20us
- Meets ANSI C136.2. Extreme Level 20kV/10kA and IEEE C62.41.2. Location Category C High Exposure
- Parallel connected and Series connected IEC61643-11 Class II/ EN61643-11 Type 2 Compliant SPD options
- Thermally protected. Varistor technology

Zhaga Photocontrol Option



Zhaga is an industry-wide consortium aiming to standardize specifications for interfaces between LED luminaires and light engines. The aim is to permit interchangeability between products made by different manufacturers. Zhaga defines test procedures for luminaires and LED light engines so that the luminaire will accept the LED engine.

DIM Mode "X" = 1 - 0~10VDC
 2 - Dali
 3 - PWM

Model#: JL-7X1Y, JL-7X2Y

Signal "Y" = A - No Signal
 B - Bluetooth
 G - 4G(LTE Cat1)
 N - NB-IoT
 W - WIFI

<p>Zhaga Smart PhotoControl</p> <p>JL-701A</p>	<p>Zhaga Smart PhotoControl</p> <p>JL-7X1</p>	<p>Zhaga Smart PhotoControl</p> <p>JL-7X2</p>
<p>Local Control</p> <p>Photocell (No Signal)</p>	<p>Local+wifi Control</p> <p>Photocell</p>	<p>Local+wifi Control</p> <p>Photocell+Motion Sensor</p>



3 Wires
Socket base of photocell sensor



5 Wires
Socket base of photocell sensor



7 Wires
Socket base of photocell sensor