

# LED INTEGRATED SOLAR STREET LIGHT

PREMIUM PLUS SERIES



## TECHNICAL SPECIFICATIONS

Input Power	60 W - LSSTL36P12 - A060N5L <input type="checkbox"/> 80 W - LSSTL36P16 - A080N5L <input type="checkbox"/> 120 W - LSSTL36P20 - A120N5L <input type="checkbox"/> 120 W - LSSTL36P24 - A120N5L <input type="checkbox"/> 150 W - LSSTL36P24 - A150N5L <input type="checkbox"/> 150 W - LSSTL36P30 - A150N5L <input type="checkbox"/> <input type="checkbox"/> : CCT (D/ C/ NW/ W)
Housing Material	Aluminium Alloy + Galvanized Iron
Housing Colour	Light Grey
Optical Cover	Polycarbonate (PC) Lens Diffuser
Ingress Protection	IP66
Operating Temperature	-20 to +65 °C
Lifetime	60,000 h
Warranty	5 Years

## ELECTRICAL DATA

Solar Panel Type	High Efficiency Monocrystalline Silicon
Max. Power	60 W = 36 V 120 W 80 W = 36 V 160 W 120 W = 36 V 200 W 120 W = 36 V 240 W 150 W = 36 V 240 W 150 W = 36 V 300 W
Solar Panel Lifespan	25 years
Battery	LiFePO4 Lithium Battery
Battery Capacity	60 W = 12.8 V 90 AH (1152 Wh) 80 W = 25.6 V 60 AH (1536 Wh) 120 W = 25.6 V 90 AH (2304 Wh) 150 W = 25.6 V 114 AH (2918 Wh)
Battery Lifespan	5 years
System Controller	Light & Time Control (4hrs-100%, 2hrs-60%, 6hrs-40%)
Motion Sensor ( Option)	20% on Standby, 100% on Induction
Discharge Time	> 2 Cloudy / Rainy Days
Charge Time	4.5 - 6 hours (Strong Sunlight)

## PHOTOMETRIC DATA

Color Temperature	<input type="checkbox"/> 3000K Warm White <input type="checkbox"/> 3500K Neutral White <input type="checkbox"/> 4000K Cool White <input type="checkbox"/> 5000K Day Light
Color Rendering Index	> 70
Beam Angle	120°
Standard Deviation Colour Matching (SDCM)	< 3
Luminous Flux	60 W - 11,100 lm 80 W - 14,800 lm 120 W - 21,600 lm 150 W - 27,000 lm
Luminous Efficacy	180 - 185 lm / W

## MECHANICAL DATA

Pole Height	60 W = 5 - 8 m 80 W = 6 - 8 m 120 W = 8 - 10 m 150 W = 10 - 12 m
Top Pole Spigot (Diameter)	80 - 90 mm

## COMPLIANCE STANDARD

Luminaire	CE, RoHS, IES LM-80
Approval Marks	SIRIM Certificate JKR EMAL Complied

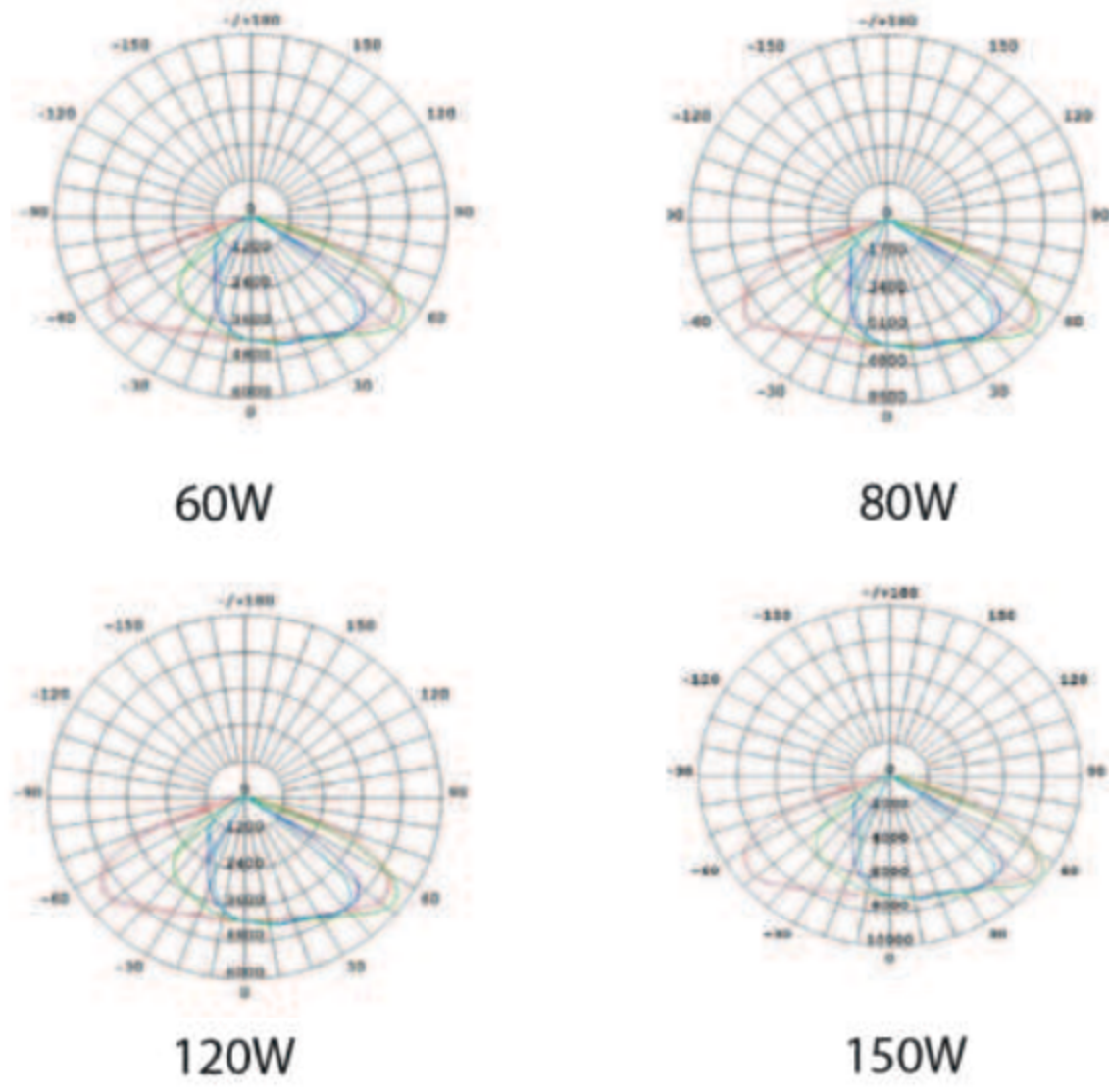


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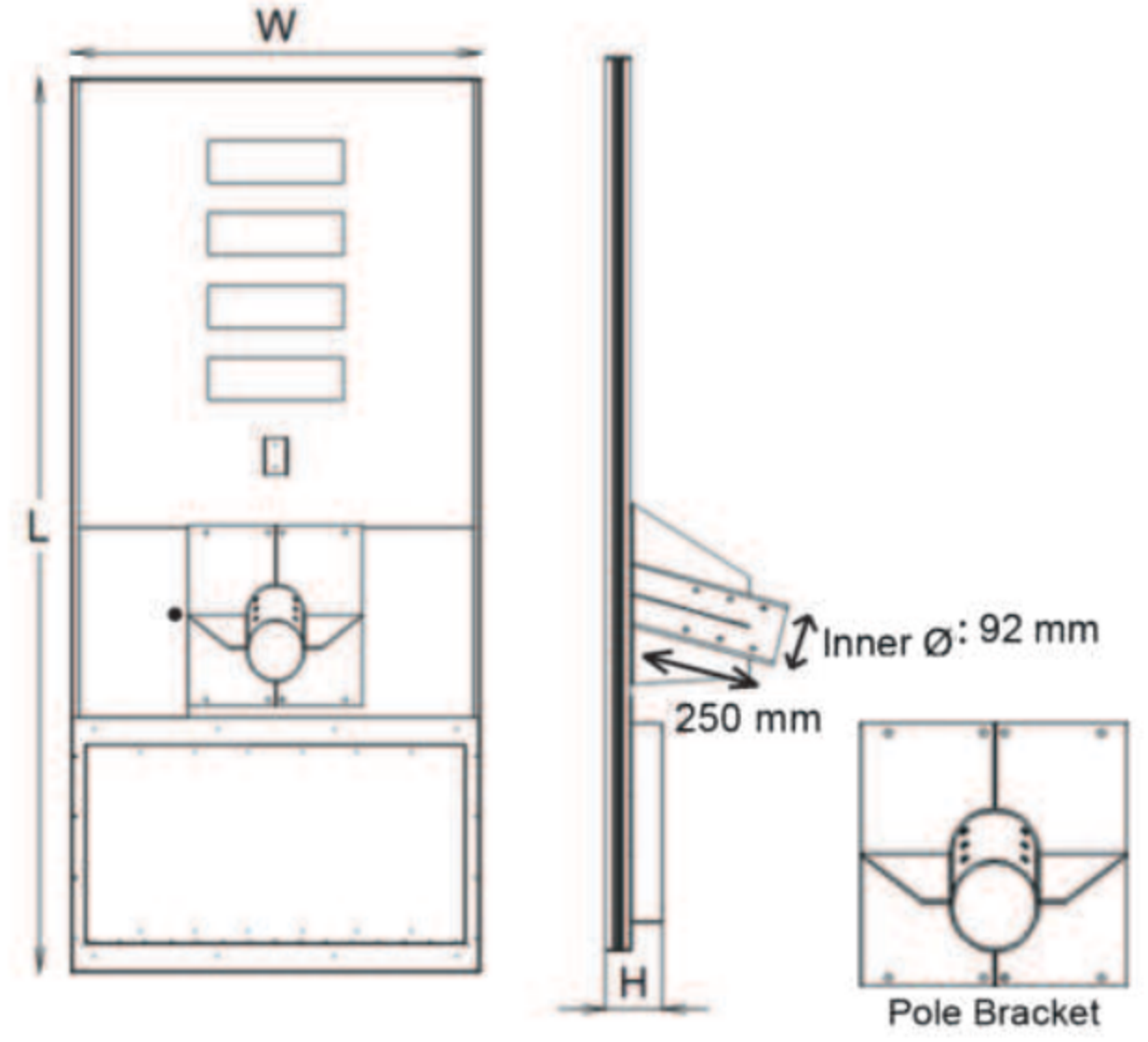
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## PHOTOMETRIC



## PRODUCT DIMENSION



MODEL	HOUSING		CARTON BOX	
	DIMENSION	NET WEIGHT	DIMENSION	GROSS WEIGHT
LSSTL36P12-A060N5L □	L : 920 mm x W : 705 mm x H : 96 mm	35 Kg	L : 970 mm x W : 755 mm x H : 145 mm	37 Kg
LSSTL36P16-A080N5L □	L : 1235 mm x W : 705 mm x H : 96 mm	38 Kg	L : 1285 mm x W : 755 mm x H : 145 mm	40 Kg
LSSTL36P20-A120N5L □	L : 1480 mm x W : 705 mm x H : 96 mm	45 Kg	L : 1530 mm x W : 755 mm x H : 145 mm	47 Kg
LSSTL36P24-A120N5L □	L : 1760 mm x W : 705 mm x H : 96 mm	47 Kg	L : 1810 mm x W : 755 mm x H : 145 mm	49 Kg
LSSTL36P24-A150N5L □	L : 1760 mm x W : 705 mm x H : 96 mm	51 Kg	L : 1810 mm x W : 755 mm x H : 145 mm	53 Kg
LSSTL36P30-A150N5L □	L : 1640 mm x W : 905 mm x H : 125 mm	57 Kg	L : 1690 mm x W : 955 mm x H : 145 mm	59 Kg
Pole Bracket	L : 300 mm x W : 300 mm x H : 220 mm	6 Kg	L : 350 mm x W : 350 mm x H : 270 mm	7 Kg

## PROJECT REFERENCE

