



## BATH + LIGHT

### STREET LIGHT 90W

LED STREET LIGHT

Outdoor Luminaire

Product Code:

LSRTTOS090XC / LSRTTOS090XW

90W - 10800lm - 5700K - CRI>70 Ra - Beam Angle - Asymmetric



### Technical Specifications

Operating Temperature	-10°C to 50°C
Rated Input Voltage & Frequency	240 VAC, 50Hz
Rated Input Wattage	90W $\pm$ 10%
Rated Input Current	0.395 Amp (Nominal)
Power Factor	$\geq$ 0.95
ATHD	<10%
Rated Luminous Flux	10800 lm / 10800 lm (tolerance as per BIS)
Rated Luminaire Efficacy	120 lm/W / 120 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	5700 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>70 Ra
Beam Angle	Asymmetric
Driver Efficiency	$\geq$ 85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Aluminium Die Cast with Powder Coating
Lens / Reflector	With Lens and Toughened Glass
Mounting	Pole Mount

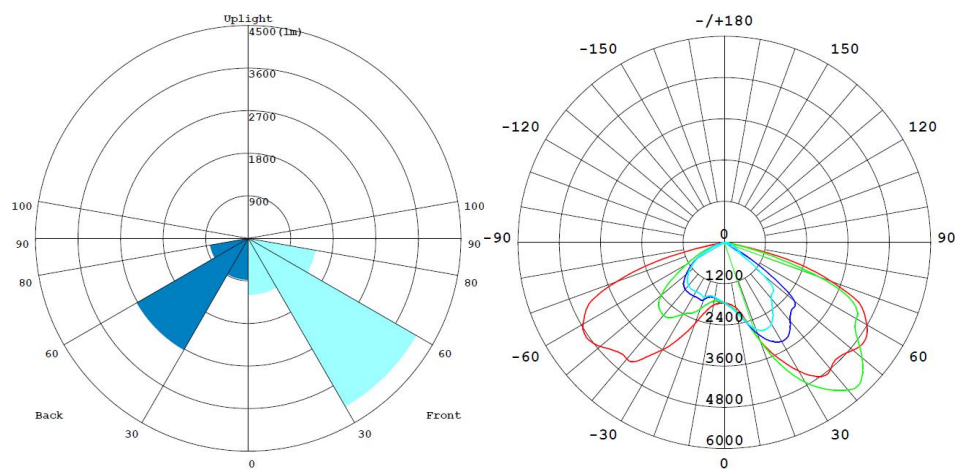
### Protections

Over Voltage Protection	Withstand upto 440V/AC for 4 Hrs.
Surge Protection	$\pm$ 4.0KV (Upto 10KV with SPD)
Protection Class	Class I
Ingress Protection (IP Rating)	IP66
Impact Protection (IK Rating)	IK06
Short Circuit Protection	Provided
Open Circuit Protection (No Load)	Provided
Reverse Polarity Protection	Provided

All technical data is subject to industry-standard tolerances.

With our continuous efforts to upgrade the technology/product, all product specifications and data are subject to change without prior notice. We always try to maintain the accuracy of our product images, but due to different viewing conditions, the colors may vary. Images are only for indicative purpose.

Light Distribution



BUG Table

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1195.8	10.7
FM - Front-Medium(30-60)	4105.2	36.6
FH - Front-High(60-80)	1442.9	12.9
FVH - Front-Very High(80-90)	38.271	0.3
Total Forward Light	6782.2	60.5

BL - Back-Low(0-30)	876.15	7.8
BM - Back-Medium(30-60)	2725.4	24.3
BH - Back-High(60-80)	821.58	7.3
BVH - Back-Very High(80-90)	11.621	0.1
Total Back Light	4434.8	39.5

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

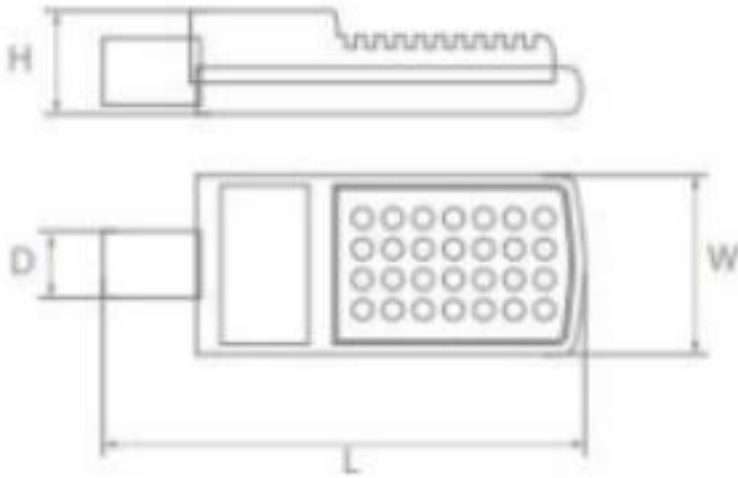
BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4434.8	0	4434.8
Street Side	6782.2	0	6782.2

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## Product Dimensions (L x W x H)

400 X 200 X 108mm (Tol.  $\pm 5$ mm)



## Applications

NH Street Lighting, Road Lighting, Campus Lighting