

STREET LIGHT 45W

LED STREET LIGHT

Outdoor Luminaire

Product Code:

LSRTTOS045XC / LSRTTOS045XW

45W - 5400lm - 5700K - CRI>70 Ra - Beam Angle - Asymmetric



Technical Specifications

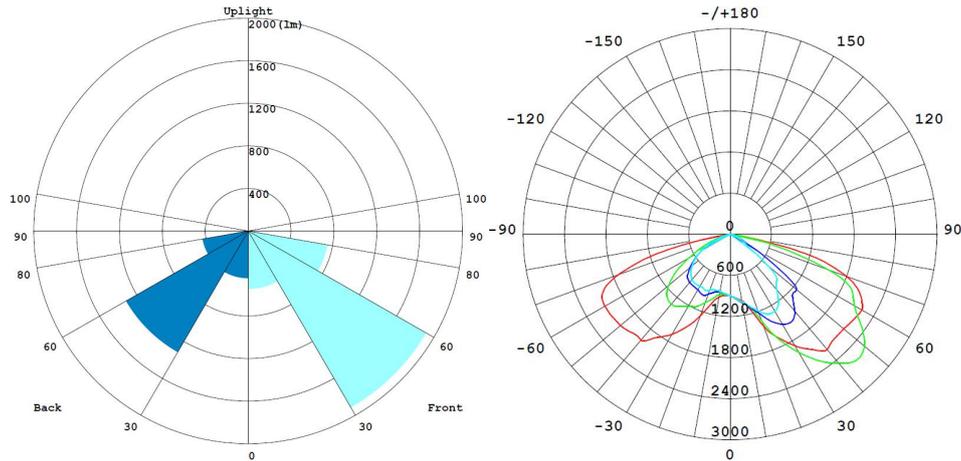
Operating Temperature	-10°C to 50°C
Rated Input Voltage & Frequency	240 VAC, 50Hz
Rated Input Wattage	45W ± 10%
Rated Input Current	0.200 Amp (Nominal)
Power Factor	≥0.95
ATHD	<10%
Rated Luminous Flux	5400 lm / 5400 lm (tolerance as per BIS)
Rated Luminaire Efficacy	120 lm/W / 120 lm/W (tolerance as 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	≥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	±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.

Light Distribution



BUG Table

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	545.97	10.0
FM - Front-Medium(30-60)	1916.1	35.2
FH - Front-High(60-80)	750.71	13.8
FVH - Front-Very High(80-90)	21.429	0.4
Total Forward Light	3234.2	59.5

BL - Back-Low(0-30)	444.74	8.2
BM - Back-Medium(30-60)	1315.8	24.2
BH - Back-High(60-80)	432.23	8.0
BVH - Back-Very High(80-90)	9.221	0.2
Total Back Light	2202	40.5

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

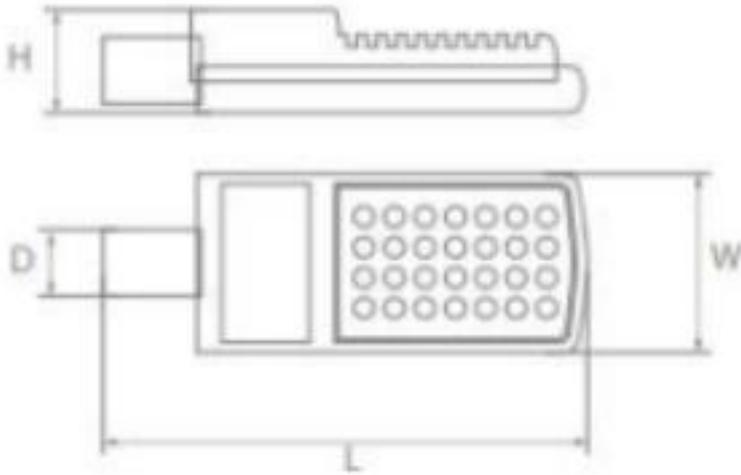
BUG (Back, Up, Glare) Rating	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2202	0	2202
Street Side	3234.2	0	3234.2

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.

Product Dimensions (L x W x H)

320 X 190 X 80mm (Tol. \pm 5mm)



Applications

NH Street Lighting, Road Lighting, Campus Lighting