

**Ledstar Floodlight 120W**

IP66 rated floodlight with high pressure die cast aluminium housing, lens and toughened glass cover

Outdoor Luminaire

**Product Code:**

LFLDSLS120XC / LFLDSLS120XW

120W - 13200lm - 5700K - Ra>70 – Beam Angle 65°



**Technical Specifications**

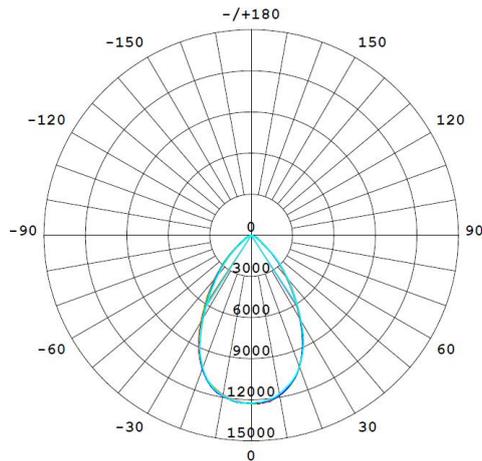
Operating Temperature	-10°C to 45°C
Rated Input Voltage & Frequency	220~240 V/AC, 50Hz
Rated Input Wattage	120W ± 10%
Rated Input Current	0.540 Amp (Nominal)
Power Factor	≥0.95
ATHD	<10%
Rated Luminous Flux	13200 lm / 12000 lm (tolerance as per BIS)
Rated Luminaire Efficacy	110 lm/W / 100 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	5700 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>70 Ra
Beam Angle	65° (within the permissible limits)
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Die Cast Aluminum with Powder Coating
Cover	Toughened Glass Cover
Mounting	Pole Mounting / Surface Mounting

**Protections**

Over Voltage Protection	Cut off @ 300 ± 5%, Sustain up to 440VAC for 8 Hrs.
Surge Protection	4 KV Driver (with SPD 10kV/5kA)
Protection Class	Class I
Ingress Protection (IP Rating)	IP66
Impact Protection (IK Rating)	IK07
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 Rating

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4151.5	27.5
FM - Front-Medium(30-60)	3282.4	21.7
FH - Front-High(60-80)	255.57	1.7
FVH - Front-Very High(80-90)	4.3484	0.0
<b>Total Forward Light</b>	<b>7693.8</b>	<b>50.9</b>

BL - Back-Low(0-30)	4163	27.5
BM - Back-Medium(30-60)	3060.7	20.2
BH - Back-High(60-80)	198.65	1.3
BVH - Back-Very High(80-90)	3.1588	0.0
<b>Total Back Light</b>	<b>7425.4</b>	<b>49.1</b>

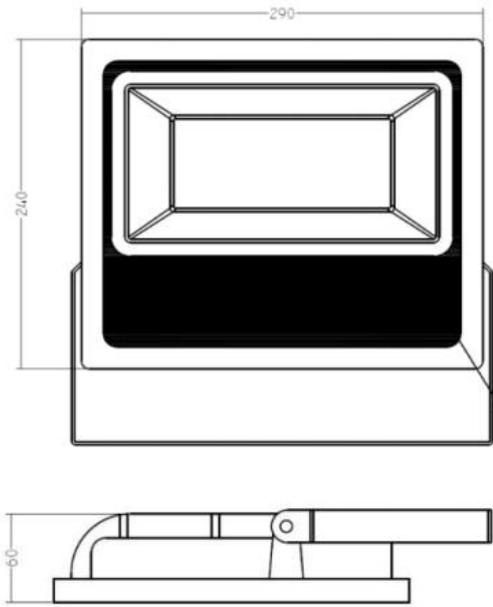
UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
<b>Total Up Light</b>	<b>0</b>	<b>0.0</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B4-U0-G0</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7425.4	0	7425.4
Street Side	7693.8	0	7693.8

## Product Dimensions (LxWxH)

290 X 240 X 60 mm (Tol.±5 mm)



## Applications

Sports activities Lighting, Building wall washing, Road Lighting, Campus Lighting