

LED FLOOD LIGHT 400W

IP66 rated floodlight with high pressure die cast aluminium housing, Toughened glass cover and Polycarbonate lens., Outdoor Luminaire

Product Code:

LFLD02S400XC / LFLD02S400XW

400W - 46000lm - 5700K - Ra>70 – Beam Angle 70°



Technical Specifications

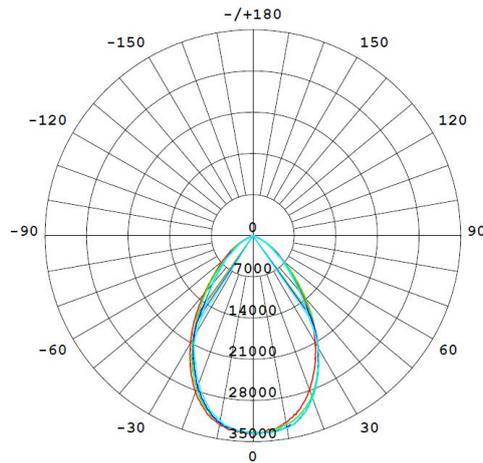
Operating Temperature	-10°C to 50°C
Rated Input Voltage & Frequency	220~240 V/AC, 50Hz
Rated Input Wattage	400W ± 10%
Rated Input Current	1.80 Amp (Nominal)
Power Factor	≥0.95
THD	<10%
Rated Luminous Flux	46000 lm / 42000 lm (tolerance as per BIS)
Rated Luminaire Efficacy	≥ 115 lm/W / 105 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	5700 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>70 Ra
Beam Angle	70°
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Die Cast Aluminum with Powder Coating
Cover	Transparent Polycarbonate Lenses
Mounting	Pole / Surface

Protections

Over Voltage Protection	Cut off @ 325VAC ± 5%, Sustain up to 440VAC for 2 Hrs.
Surge Protection	5 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)	11859	25.9
FM - Front-Medium(30-60)	11010	24.1
FH - Front-High(60-80)	885.7	1.9
FVH - Front-Very High(80-90)	16.873	0.0
Total Forward Light	23772	52.0

BL - Back-Low(0-30)	11275	24.7
BM - Back-Medium(30-60)	9937.1	21.7
BH - Back-High(60-80)	720.87	1.6
BVH - Back-Very High(80-90)	12.374	0.0
Total Back Light	21946	48.0

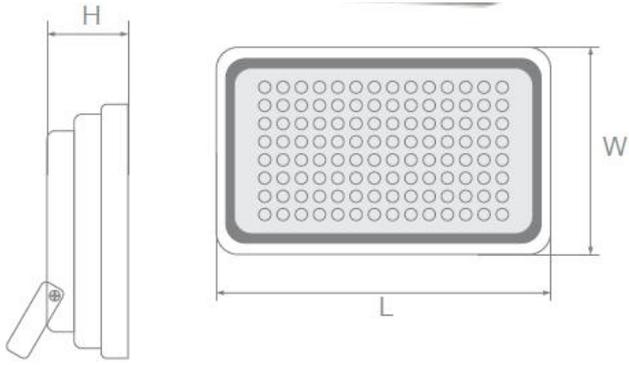
UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B5-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21946	0	21946
Street Side	23772	0	23772

Product Dimensions (LxWxH)

700 X 318 X 200 mm (Tol.±5 mm),



Applications

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