

Faro (Low wattage floodlight) 50W

IP66 rated floodlight with high pressure die cast aluminium housing and impact resistant polycarbonate lens.

Outdoor Luminaire

Product Code:

LFRO01S050XC / LFRO01S050XN / LFRO01S050XW
50W - 5000lm - 5700K - CRI>70 Ra – Beam Angle 70°



Technical Specifications

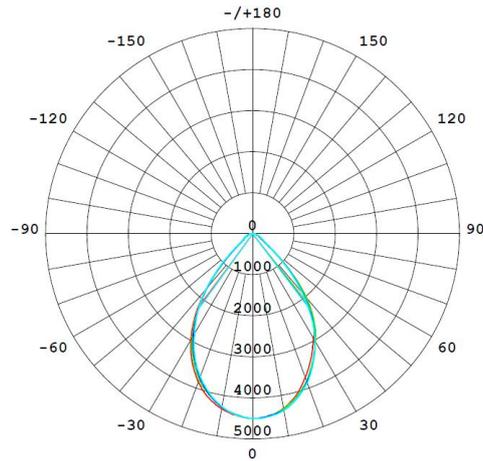
Operating Temperature	-10°C to 50°C
Rated Input Voltage & Frequency	220~240 V/AC, 50Hz
Rated Input Wattage	50W ± 10%
Rated Input Current	0.220 Amp (Nominal)
Power Factor	≥0.95
THD	<10%
Rated Luminous Flux	5000 lm / 4750 lm / 4500 lm (tolerance as per BIS)
Rated Luminaire Efficacy	≥ 100 lm/W / 95 lm/W / 90 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	5700 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>70 Ra
Beam Angle	70° (within the permissible limits)
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Die Cast Aluminum with Powder Coating
Cover	Impact resistant Polycarbonate Lenses
Mounting	Pole / Surface

Protections

Over Voltage Protection	Cut off @ 300VAC ± 5%, Sustain up to 440VAC for 2 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)	1581.1	25.5
FM - Front-Medium(30-60)	1405.2	22.6
FH - Front-High(60-80)	166.27	2.7
FVH - Front-Very High(80-90)	16.779	0.3
Total Forward Light	3169.3	51.1

BL - Back-Low(0-30)	1543.6	24.9
BM - Back-Medium(30-60)	1324.1	21.3
BH - Back-High(60-80)	154.25	2.5
BVH - Back-Very High(80-90)	14.067	0.2
Total Back Light	3036.1	48.9

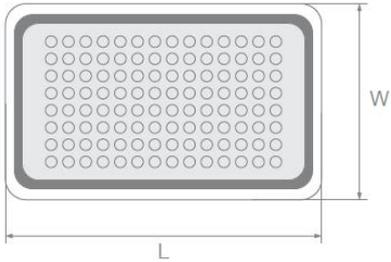
UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3036.1	0	3036.1
Street Side	3169.3	0	3169.3

Product Dimensions (LxWxH)

238 X 228 X 36 mm (Tol.±5 mm), Weight : 1100 gms. (Tol.±10%)



Applications

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