

## LED Flood Lights Fittings

High performance Flood Lighting Luminaries with 8-96 nos of 5 watt LEDs producing 156 lumen/watt. Life span of LEDs is approx 60000 hrs. The fittings are supplied with W optic lenses for uniform distribution.



Type No. 24410  
20W Flood Light



Type No. 24415  
40W Flood Light



Type No. 24420  
60W Flood Light



Type No. 24430/24435  
100W/120W Flood Light



Type No. 24445  
200W Flood Light



Type No. 24831/24836  
200W/240W Flood Light



Type No. 24841/24846/24851  
300W/350W/400W Flood Light

Die cast Aluminum alloy Housing having high conductivity heat sinks, Powder coating in attractive colour with Toughened front Glass in the front fixed to the die cast Aluminum retaining ring which would be fixed to the housing with Silicon Rubber gasket by means of steel screws to render it dust, water and vermin proof meeting IP 66 classification.

## Specification for High performance LED Flood Lights

S. no	Characteristic	20W Symmetrical	40W Symmetrical	60W Symmetrical	100W/120W Symmetrical	200W Symmetrical	200W/240W Asymmetrical	300W/350W /400W Asymmetrical
1.	Housing	Die Cast Aluminum alloy Housing having high conductivity heat sinks, Powder coating in attractive colour with Toughened front Glass in the front fixed to the die cast Aluminum retaining ring which would be fixed to the housing with Silicon Rubber gasket by means of steel screws to render it dust, water and vermin proof.						
2.	Type Nos.	Sigma Type 24410	Sigma Type 24415	Sigma Type 24420	Sigma Type 24430/24435	Sigma Type 24445	Sigma Type 24831/24836	Sigma Type 24841/24846/24851
3.	LED make	Bridgelux/ Osram	Bridgelux/ Osram	Bridgelux/ Osram	Bridgelux/ Osram	Bridgelux/ Osram	Bridgelux/ Osram	Bridgelux/ Osram
4.	No. of LEDS	08 nos of 5W LEDS	12 nos of 5W LEDS	24 nos of 5W LEDS	32 nos of 5W LEDS	48 nos of 5W LEDS	64 nos of 5W LEDS	96 nos of 5W LEDS
5.	Lumens output	156 Lm/W at 85°C	156 Lm/W at 85°C	156 Lm/W at 85°C	156 Lm/W at 85°C	156 Lm/W at 85°C	156 Lm/W at 85°C	156 Lm/W at 85°C
6.	Life Span	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.
7.	Luminary efficacy	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%
8.	Color Temperature	2700-6500K as required	2700-6500K as required	2700-6500K as required	2700-6500K as required	2700- 6500K as required	2700-6500K as required	2700-6500K as required
9.	CRI	70	70	70	70	70	70	70
10.	Optics	High Quality optics to enhance the performance of the luminaries and to match the required Photometry						
11.	Driver	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement	Constant Current type. Designed as per luminary requirement	Constant Current type. Designed as per luminary requirement	Constant Current type. Designed as per luminary requirement
12.	The voltage variations	110V- 270V	110V- 270V	110V- 270V	110V- 270V	110V- 270V	110V- 270V	110V- 270V
13.	Power Factor	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95
14.	Efficiency of Drivers	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%
15.	THD (Total Harmonic Distortion)	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%
16.	Classification	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66
17.	Standards	Drivers used with the luminaries are BIS approved. LEDs used are LM80 approved. Luminaries meet the requirements as laid down in the latest IS codes. Photometric data can be provided where required						
18.	Protection	10KV Surge Protection, Short circuit, over current, over voltage, over temperature						

**Our Products are designed to meet specific Customer end use requirements**