SIGMA LIGHTING YOUR FUTURE

Sigma Searchlights Ltd.

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LED Bay Light Fittings

High performance Flood Lighting Luminaries with 8-32 nos of 5 watt LEDs / 16-32 nos of 10 watt LEDs. 5 watt LEDs produce 130 / 139 lumen/ watt whereas 10 watt LEDs produce 160 lumen / watt. Life span of LEDs is approx 60000 hrs. The fittings are supplied with W / WW optic lenses for uniform distribution.

20W LED Lowbay Light
Type No. 24510

40W LED Lowbay Light
Type No. 24515

60W LED bay Light
Type No. 24520

80W LED bay Light
Type No. 24525

100W/120W LED Highbay Light
Type No. 24510/24535

150W/200W LED Highbay Light
Type No. 24540/24545

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 frame which would be fixed to the housing with Neoprene Rubber gasket by means of stainless steel screws to render it dust, water and vermin proof meeting IP 65 classification.

Our Products are designed to meet specific Customer end use requirements

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Specifications for High performance Bay Lighting Luminaries with LED Fittings

S.no	Characteristic	20W	40W	60W	80W	100W/120W	150W/200W
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 frame which would be fixed to the housing with Neoprene Rubber gasket by means of steel screws to render it dust, water and vermin proof.					
2.	Type No.	Sigma Type 24510	Sigma Type 24515	Sigma Type 24520	Sigma Type 24525	Sigma Type 24530/35	Sigma Type 24540/45
3.	LED make	Osram/ Bridgelux/ Cree	Osram/ Bridgelux/ Cree	Osram/ Bridgelux/ Cree	Osram/ Bridgelux/ Cree	Osram/ Bridgelux/ Cree	Osram/ Bridgelux/ Cree
4.	No. of LEDS	8 nos of 5W LEDS	16 nos of 5W LEDS	24 nos of 5W LEDS	32 nos of 5W LEDS	16-24 nos of 10W LEDS	32 nos of 10W LEDS
5.	Lumens output	130/139 lm/W at 85^0 C	130/139 lm/W at 85^0 C	130/139 lm/W at 85^0 C	130/139 lm/W at 85^0 C	160 lm/W at 85^0 C	160 lm/W at 85^0 C
6.	Life Span	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.	>60000 Hrs.
7.	Luminary efficacy	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%
8.	Color Temperature 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
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.
12.	The voltage variations	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
14.	Efficiency of Driver	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%
15	THD (Total Harmonic Distortion)	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%
16.	Classification	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66
17.	Standards	The Luminaires meet the requirments laid down in the latest IS Codes Photometric data can be provided where required					

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