



Sigma Search Lights Limited

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LED Street Light Fittings

High performance Road Lighting Luminaries with 8 – 48 nos of 5 watt LEDs producing 130 / 139 lumen / Watt having life span of approx 80000 hrs with T2 / T3 optic lenses for uniform distribution between poles.



20W LED Street Light
Type No. 24310



40W LED Street Light
Type No. 24315



60W LED Street Light
Type No. 24320



80W LED Street Light
Type No. 24325



120W LED Street Light
Type No. 24330

Single piece 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



An ISO 9001 Company

SIGMA

Tough by Nature, Innovative by Design

Specifications for High performance Street Lighting Luminaries with LED Fittings

S. no	Characteristic	20W	40W	60W	80W	120W
1.	Housing	Single piece 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 24310	Sigma Type 24315	Sigma Type 24320	Sigma Type 24325	Sigma Type 24330
3.	LED make	CREE	CREE	CREE	CREE	CREE
4.	Lumens output	130/139 lm/W at 85° C	130/139 lm/W at 85° C	130/139 lm/W at 85° C	130/139 lm/W at 85° C	130/139 lm/W at 85° C
5.	No. of LEDS	8 nos of 5W LEDS	16 nos of 5W LEDS	24 nos of 5W LEDS	32 nos of 5W LEDS	48 nos of 5W LEDS
6.	Life Span	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.
7.	Luminary efficacy	> 90 lm/W	> 90 lm/W	> 90 lm/W	> 90 lm/W	> 90 lm/W
8.	Color Temperature	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
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.
12.	The voltage variations	110V- 270V	110V- 270V	110V- 270V	110V- 270V	110V- 270V
13.	Power Factor	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95
14.	Efficiency of	> 85%	> 85%	> 85%	> 85%	> 85%
15.	THD (Total Harmonic Distortion)	< 10%	< 10%	< 10%	< 10%	< 10%
16.	Classification	IP 65	IP 65	IP 65	IP 65	IP 65
17.	Standards	The Luminaires meet the latest IS Codes. Photometric data can be provided where required				

Energy Saving with Sustained Performance