

Flame-proof Light (Tri-proof: Flame-proof, Explosion-proof, Water-proof)



Sr	Parameters	Specifications			
1	Product Code	SSK-FLP-18W (S)	SSK-FLP-25W(S)	SSK-FLP-40W(S)	
2	Input Power (with tolerance of $\pm 10\%$)	18W	25W	40W	
2	Size	Max Dia 178 mm X240 mm			
3	Input Voltage	90 To 300 VAC			
4	Input Frequency	50Hz			
5	Forward Current	Less than 700 mA			
6	Power Factor	> 0.95 At Full Load & 240 VAC			
7	Working Temperature	(-)20°C to (+)55°C			
8	Life expectancy of the product (LEDs)	Minimum 50000 hrs.			
9	Lumens Per Watt	100~110 Lumens/Watt			
10	Color Temperature	3000 K~6500 K			
11	Color rendering index	> 75			
12	Make of LED (as per customer Specifications)	CREE	Bridglux	OSRAM	Lumiled (Philips)
13	Type of LED Package	Mid Power /High Power SMD/COB			
14	Luminous Efficacy of LED Package	>120 Lumens/Watt			
15	PCB Type	MC PCB			
16	Driver efficiency	>90%			
17	Surge/Spike Protection	Upto 3KV L, N, E as per IEC 61000-4-5			
18	THD (Total Harmonic Distortion)	<15% as per IEC 61000-3-2			
19	Line Protection	Under Voltage and Over Voltage Protection			
20	Lamp Housing	High Pressure Diecast aluminum housing with Stainless Steel fastners			
20	Finish	Aesthetic and slendor design of housing with powder coated matt/ glossy finish.			
21	Lens Material	PMMA clear optic lenses (if required)			
22	Cover	Toughned Glass Cover			
23	Ingress Protection	IP 66			
24	Mounting arrangement	Bracket Mounting/ Pipe Mounting/ Eye Bolt etc			
25	Cable Glands	Flameproof Cable glands			
25	Thermal management	External heat sink of Aluminum housing with fins, aluminum metal-core printed circuit board of thermal conductivity more than than 2.0W/mk and thermal pad with thermal conductivity more than 1.5W/mk.			
26	Gas & Dust Group	Group I & II as per IEC 60079-0			
27	Hazardous Area Classification	Zone 1 & Zone 21 as per IEC 60079-10-1 & IEC 60079-10-2			