

TECHNICAL DATASHEET

DRIVELUX Flame Proof Multi-Purpose Light PREMIUM RANGE

DRIVELUX offers Premium range of LED Flame Proof Multi-Purpose Light from 30watt to 120watt. Premium range is designed to deliver excellent and uniform light output across installation. This range is designed drive at minimum case temperature to achieve higher sustainability. High optics efficiency > 87% light transfer and unique thermal management. Control gear efficiency > 90%. Outdoor application IP 66 rating.

Key Features and benefits:

- Delivers excellent light output across installation
- Fully potted electronic control gear to ensure zero maintenance
- 10KV Surge Protection device in series with electronic control gear
- Average life of 50,000 Burning hours
- Instant light output with low running temp
- Energy efficient saving up to 50%
- No mercury as Light source is LED
- No harmful and IR Radiations
- Standard Warranty 3 Years

Higher efficiency:

- Higher lumens efficiency 172 lm/watt (Usage of OSRAM and Bridgelux LED)
- Highly efficient optics having >89% light transfer efficiency
- Most trusted electronic control gear efficiency > 90% (Usage of Inventronics / Fulham/ Philips)
- Driving LED's at defined current to achieve maximum lumens efficiency



FLP FL
60W-80W



FLP FL
30W-45W



FLP FL
100W-120W

Higher Sustainability :

- SMD type LED source which can withstand upto 125 degree temperature, Minimum case temperature to achieve higher sustainability
- Electronic control gear having overvoltage, short circuit, Surge, Over temperature protection.
- PC optics up to 150 degree without any deformation
- Efficient thermal management increases overall sustainability of LED fixtures

Unique Thermal Management:

- Design heat sink on basis of Fins ratio, Fins position, airflow for maximum utilization.
- Using highly effective aluminium material in thermal management for high heat conductivity and low heat resistance.
- Maintaining case/ Junction temperature 40% lower than LED temperature limitation with innovative thermal management.

Optics Design:

Usage of efficient glass optics to get light spreading as per application from 90 to 120 degree spreading angle including multiple spreading angles based on application at site.

Applications:

(Suitable for Indoor / Outdoor Application)

- Chemical Industries
- Oil Refinery
- Mining Industries
- Petrochemical Industries
- Hazardous Industries



Certification :

- **CMRI Approved**
- **PESO Approved**

Technical Specification :

MOC of Enclosure / Luminaire Housing	PDC Aluminum alloy housing with durable Epoxy powder coating.
MOC of Optic	Borosilicate Glass Lens
IP	IP 66
Connection Type	Single channel for Input (LILO)
Mounting Type	Pipe / Cradle
MOC of Reflector	NA
MOC of Driver Box	PDC Aluminum alloy housing with durable Epoxy powder coating
Safety Provision	Lock Nut

Luminaries Specification

Available Models	30 W / 45 W / 60 W / 80 W / 100 W / 120 W
I/P Voltage Range	90~305 VAC
I/P Frequency	50Hz-60Hz
I/P Current	As per Technical Specification Table
Power Factor	>0.96
Athd.....	<10%
Electrical Efficiency	91.5%
Light Spreading Angle	90° / 120°
Temperature Class	T6
IP Standard	IP66 Outdoor
Total Weight	As per standard parameters
Starting Time	Rapid 0.2 Sec.
Warranty	03 Years

LED Driver Specification

Type of Driver	CC mode (Constant Current)
Make	Intelux/ Eco Led / Inventronics
I/P Voltage Range	90~305 VAC
Frequency Range	50Hz
PF (Power Factor)	>0.96
THD (Total Harmonic Distortion)	<10%
SP (Surge Protection)	10KV
Protection	IPOV (Over Voltage Protection), SP (Surge Protection), IUVP (Under Voltage Protection), TP (Thermal Protection), OOP (Output Overload Protection), SC (Short Circuit Protection)

LED Specification

Light Source	COB (Chip On Board)
Lamp Life	50,000 Hours
Light Source Make	Citizen – Singapore, Bridgelux - USA
Lamp Efficacy	172 Lu/W
Colour Temperature	3000K – 6500K
CRI	> 70
Certification & Reports	LM70, LM80/Photo Bio Test / Vibration Test

Optics Specification

Optics Type Glass Lens
 MOC of Optics Borosilicate Glass Lens

Fixture / Heat sink Specification

Make of Fixture Agnus / Ideal / Sudhir
 MOC Heat sink Aluminum PDC

 Junction Temperature –tj 83°
 Case Temperature –tc 72°

Electrical Specifications :

Model No :	System Wattage (W)	Lamp Lumens	I/P Current	I/P Voltage (AC)	O/P Current (mA)	O/P Voltage DC	Outer Dimension mm	Fixture Height mm	Weight - (Approx. in KG)
FLPMPCOB-SF-ES-30	30	4437	0.380	90~310	750	35-37	255	230	3.8
FLPMPCOB-SF-ES-45	45	6656	0.380	90~310	1050	35-37	255	230	4.0
FLPMPCOB-SF-ES-60	60	8875	0.600	90~310	1400	35-37	255	230	4.0
FLPMPCOB-SF-ES-80	80	11833	0.910	90~310	2000	35-37	298	380	6.8
FLPMPCOB-SF-ES-100	100	14792	1.200	90~310	2400	35-37	298	380	6.8
FLPMPCOB-SF-ES-120	120	17750	1.540	90~310	1600	35-37	298	380	6.8

Note- 1) As design is a continuous improvement process, technical specifications & Price are subject to change without prior notice.
 2)Product specifications tolerance +-8-10%.



For more information call:

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