

TECHNICAL DATA SHEET

DRIVELUX STREET LIGHT 45 Watt -240 Watt – PREMIUM RANGE

DRIVELUX Premium range of LED street light offers LED streetlight fittings from 45watt to 240watt. 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 210 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



30 W – 40 W

45W – 80W

100 W – 120 W

120 W – 150 W

150W– 240 W

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 25 to 120 degree spreading angle including multiple spreading angles based on application at site.



Applications:

- Street Light, City road area
- IT Parks
- Parking areas
- Heavy Industry
- Railway
- Airport
- Ware houses

Technical Specification :

Mechanical Specification	
● MOC of Enclosure / Luminaire Housing	PDC Aluminum alloy housing with durable Epoxy Paint
● MOC of Optic	PC
● IP Rating	IP 66
● Connection Type	Single channel for Input (230V Ac)
● Mounting Type	Pipe
● MOC of Reflector	NA
● MOC of Driver BoxPDC	PDC Aluminum alloy housing with durable
● Safety Provision	Epoxy Power Coating, External Driver Box. Lock Nut

Luminaries Specification

Available Models	45 W / 60 W / 80 W / 100 W / 120 W / 150 W / 180 W / 200 W
I/P Voltage Range	90~305 VAC
I/P Frequency	50Hz
I/P Current	As per Technical Specification Table
Power Factor	>0.96
Athd	<10%
Electrical Efficiency	91.5%
Light Spreading Angle	135°X 65° / 120° X 60°
Temperature Class	T6
IP Standard	IP66 Outdoor
Total Weight	As per Technical Specification Table
Starting Time	Rapid 0.2 Sec.
Warranty	03 Years

LED Driver Specification

Type of Driver	CC mode (Constant Current)
Make	Fulham / 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 (Internal 4 KV)
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	SMD (Surface Mounting Device)
Lamp Life	50,000 Hours
Light Source Make	Osram / Bridgelux
Lamp Efficacy	210 Lu/W
Colour Temperature	3000K – 6500K
CRI	> 70 / >80
Certification & Reports	LM70, LM80/Photo Bio Test / Vibration Test

Optics Specification

Optics Type PC Lens

MOC of Optics PC



Fixture / Heat sink Specification

Make of Fixture DRIVELUX

MOC Heat sink Aluminum PDC

Junction Temperature –t_j 78°

Case Temperature –t_c 72°

Electrical Specifications :

Model No :	System Wattage (W)	LED Lumens	I/p Current	I/P Voltage (AC)	O/P Current (mA)	O/P Voltage DC	Outer dimension mm	Fixture Height MM	Weight (Approximate In Kg)
TLSLMLPRE-45	45	8127	0.40	90~310	1050	28-36	419	70	3.00
TLSLMLPRE-60	60	10836	0.30	90~310	1400	30-40	419	70	3.00
TLSLMLPRE-80	80	14448	0.43	90~310	780	60-106	435	95	4.20
TLSLMLPRE-100	100	18060	0.55	90~310	700	120-160	435	95	4.20
TLSLMLPRE-120	120	21672	0.55	90~310	700	120-160	435	95	4.50
TLSLMLPRE-150	150	27090	1.93	90~310	700	140-214	535	100	5.50
TLSLMLPRE-180	180	32508	1.10	90~310	1480	120-160	560	80	7.50
TLSLMLPRE-200	200	36120	1.10	90~310	1400	120-160	560	80	7.50
TLSLMLPRE-240	240	43344	1.10	90~310	1400	120-160	560	80	7.50

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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