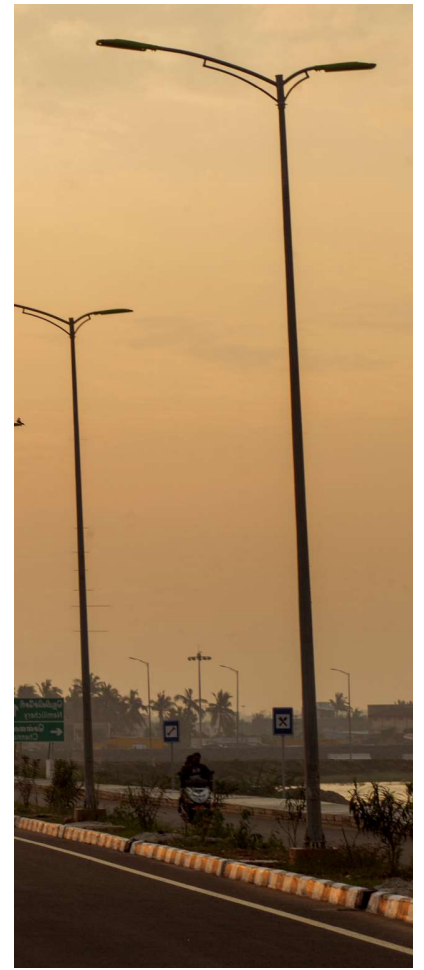
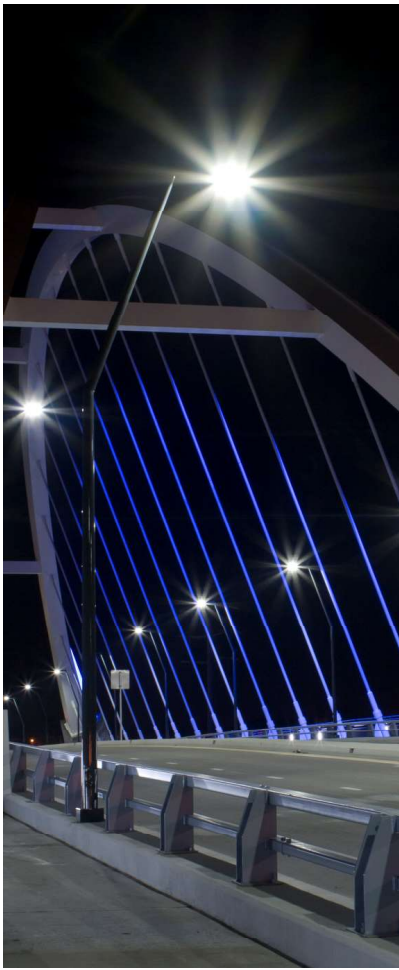


TRANSRAIL

LUMINAIRES



Integrated Power Transmission
Lighting and Solar Solutions

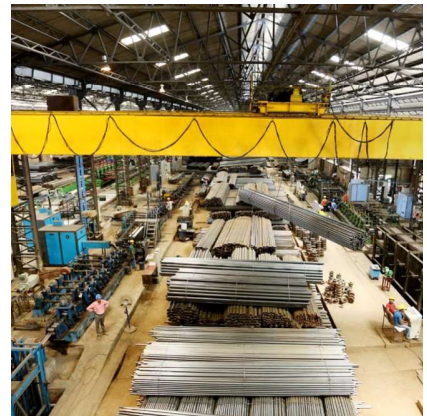
About TRANSRAIL

Transrail Lighting Limited is an integrated company offering turnkey solutions in the field of Power Transmission, Distribution, Rural Electrification, Electrical Sub Station, Overhead Railway Electrification, Solar System and Lighting Solution. An active player in EPC and Turnkey projects having presence in INDIA and global presence in over 35 countries.

At its core, we are a company driven by passion for quality, innovation and excellence.

Having multi location manufacturing and supply facilities within INDIA for galvanised T&D structures, monopoles, high masts, stadium masts, street light poles, flag mast, LED and HID Luminaires and solar lighting systems to cater the needs of our customers.

All our operation are certified for ISO 9001 , ISO 14000, OHSAS certification.



OUR IN-HOUSE CAPABILITIES:



Design



Development



Manufacturing



Testing



Supply and EPC Civil, T&D,
Electrical and Projects

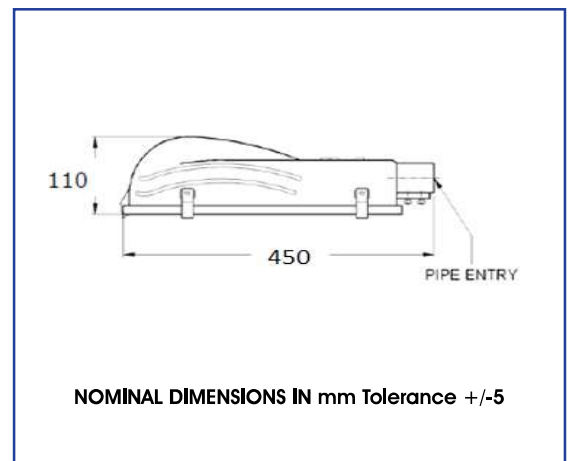
STREET LIGHT HPSV/MH 70 W - 400 W

High performance HPSV/MH range of HID street light suitable for lighting of light density pedestrian/vehicular traffic in internal cities, townships, industry roads, etc.



PRODUCT DESCRIPTION

Floodlight housing	Corrosion resistant die-cast aluminium housing
Reflector	Aluminium anodized high polish reflector
Cover glass	Heat resistant toughened clear glass clamping by stainless steel toggles
Colour and finish	Epoxy powder coated grey finish
Relamping	Side arrangement for easy maintenance
Gasket	Anti-ageing rubber gasket in the housing for ingress protection
Ingress protection and Safety class	IP66 and electrical safety class I
Control gear	Copper ballast, p.f correction capacitor and rated ignitor suitable for HPSV and MH lamp



ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC 50 HZ	MAINS CURRENT (A)	RATED WATTAGE (W)	p.f	LAMP TYPE
STLT 70W	220/240	0.4	70	10 mfd \geq 0.85	HPSV/MH T
STLT 100W	220/240	0.4	100	10 mfd \geq 0.85	HPSV/MH T
STLT 150W	220/240	0.8	150	20 mfd \geq 0.85	HPSV/MH T
STLT 150W	220/240	0.8	150	20 mfd \geq 0.85	HPSV/MH T
STLT 250W	220/240	1.3	250	30 mfd \geq 0.85	HPSV/MH T
STLT 400W	220/240	2.1	400	42 mfd \geq 0.85	HPSV/MH T

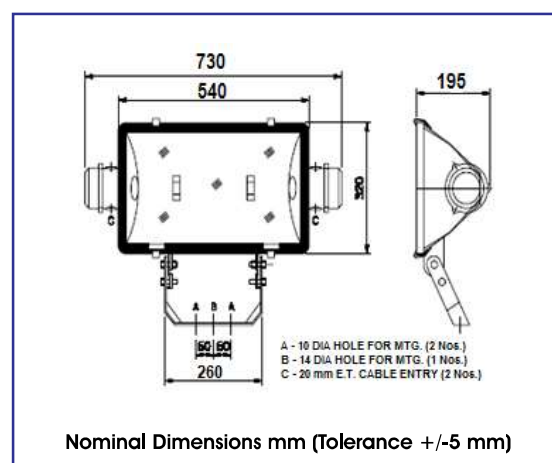
FLOOD LIGHT HPSV/MH 2X250W/400 W

High performance range of weather and corrosion proof heavy duty type floodlight HID lamps HPSV/MH for lighting of exterior large area applications like high mast located at city and highway junction lighting, large open areas, industrial exteriors, storage containers, railway yards, air & sea ports, etc.



PRODUCT DESCRIPTION

Floodlight housing	Corrosion resistant die-cast aluminium housing with heat dissipating fins design
Reflector	Aluminium anodized high polish reflector
Cover glass	Heat resistant toughened clear glass clamping by stainless steel toggles with the flood light housing
Colour and finish	Epoxy powder coated grey finish
Relamping	Side arrangement for easy maintenance
Mounting bracket	Cradle bracket MS powder coated suitable for pole and high mast bracket installations with graduated aiming disc for aiming
Gasket	Anti-ageing rubber gasket in the housing for ingress protection
Ingress protection and Safety class	IP 65 and electrical safety class I
Control gear	Use in conjunction with remote control gear box for suitable wattage of HID lamps



ELECTRICAL DATA (NOMINAL)

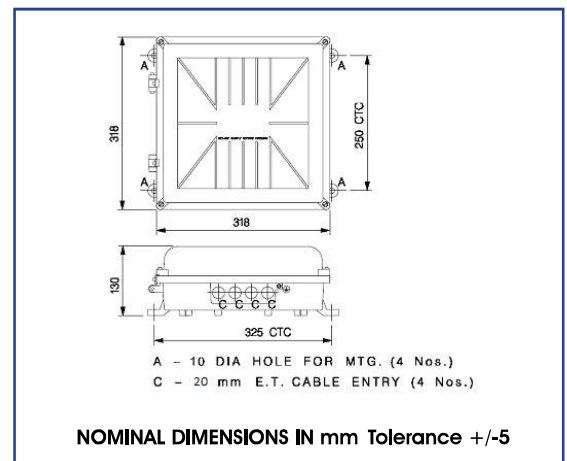
CAT. REF.	INPUT VOLTAGE (V) AC	LAMP TYPE	LAMP BASE
AFL HID 2X250W SV/MH	220/240	Tubular clear HPSV/MH T 250W	E40
AFL HID 2X400W SV/MH	220/240	Tubular clear HPSV/MH T 400W	E40

CONTROL GEAR BOX

Weather and corrosion proof range heavy duty type of die-cast aluminium Control Gear Box suitable for HID lamps HPSV and MH 250W and 400W

PRODUCT DESCRIPTION

Housing and cover	Corrosion resistant, weather proof die-cast aluminium housing and cover construction for 2 nos. HID (SV/MH) lamps of 250W/400W lamps ballast and other electrical components of the HID control gear
Colour and finish	Epoxy powder coated grey finish
Electrical components	Copper ballast, p.f improvement capacitor, electronic ignitor, fuse cutout and earthing terminals prewired with silicon coated copper wires upto terminal block
Cable entry	4 nos with loop in, loop out facility
Gasket	Anti-ageing rubber gasket in the housing for ingress protection
Ingress protection	IP55



ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC	LAMP TYPE/WATTAGE (W)	LAMP CURRENT NOMINAL ~	p.f
CGBCA 2x250W	220/240	SV/MH T 250W	1.3	2x30 mfd \geq 0.85
CGBCA 2x400W	220/240	SV/MH T 400W	4.2	2x42 mfd \geq 0.85

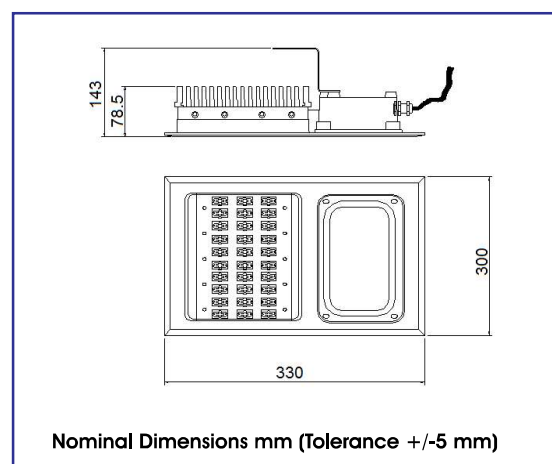
UNDER CANOPY LED 80 W - 100W

Technical range of LED Under Canopy light fitting suitable for general and task lighting applications at low to moderate heights and ideally suited for Canopy of Petrol Stations, Toll Plazas, Loading bays and other industrial and Commercial applications



PRODUCT DESCRIPTION

Housing and frame	Made of die-cast corrosion resistant aluminium alloy with heat dissipating fins design for excellent thermal management
Cover glass	Heat resistant toughened clear glass
Colour and finish	Epoxy powder coated grey finish
Light source	High power LED SMD type Color temp. White light 5700°K \pm 300°K and CRI > 70, MCPCB Construction, LPW > 100, 120 or above on request
Optical lens	Polycarbonate high performance Secondary Lens suited for variety of Lighting applications medium, Wide and Asymmetrical lighting applications
Driver compartment	Pressure die cast aluminium housing and top cover
Driver details	Input voltage range 120-270V AC/50Hz with Over voltage & Short circuit protection features
Mounting piece	Side entry suitable for variety of Pole Brackets types and sizes
Ingress protection	IP 65 for diffuser and IP 66 for Driver enclosure
External hardware	Corrosion resistant Stainless Steel



ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC	SYSTEM CURRENT (A) @240V AC	SYSTEM WATTAGE (W) ~	p.f	THD
CLK80W	240	0.34	100	>0.95	<10%
CLK100W	240	0.42	120	>0.95	<10%

Certifications: LM 79, LM80, IES:10322 (pt5/sec.5)-1987/IEC 60598, BIS, IP certification and reports available on request

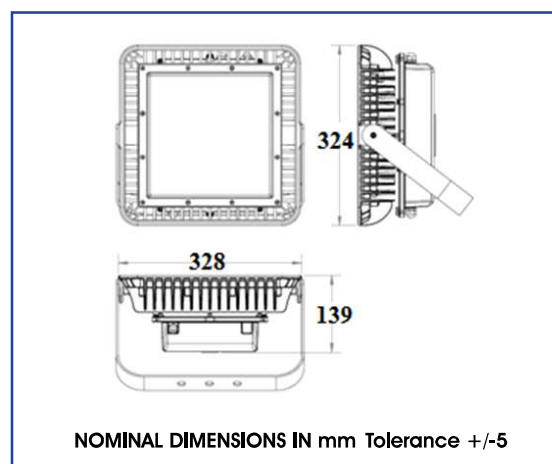
BAY LIGHTS LED 150 - 220 W

Technical range of LED Medium and High Wattage LED light suitable for lighting of Light, Medium and Heavy Industries general lighting applications



PRODUCT DESCRIPTION

Housing and frame	Made of die-cast corrosion resistant aluminium alloy with heat dissipating fins design for excellent thermal management
Cover glass	Heat resistant toughened clear glass
Colour and finish	Epoxy powder coated grey finish
Light source	High power LED SMD type Color temp. White light 5700°K \pm 300°K and CRI > 70, MCPCB Construction, LPW > 100, 120 or above on request
Optical lens	Polycarbonate high performance type
Driver compartment	Pressure die cast aluminium housing installed at the rear side of the housing isolated for effective thermal management
Driver details	Input voltage range 120-270V AC/50Hz with Over voltage & Short circuit protection features
Mounting piece	Cradle Bracket MS powder coated suitable for Pole and High Mast bracket installations
Ingress protection	Flood light IP 66, Driver enclosure Ip 65
External hardware	Corrosion resistant Stainless Steel



ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC	SYSTEM CURRENT (A) @240V AC	SYSTEM WATTAGE (W) ~	p.f	THD
MHBL150	240	0.63	150	>0.95	<10%
MHBL180	240	0.8	180	>0.95	<10%
MHBL200	240	0.84	200	>0.95	<10%

Certifications: LM 79, LM80, IS:10322 (pt5/sec.5)-1987/IEC 60598, BIS, IP certification and reports available on request

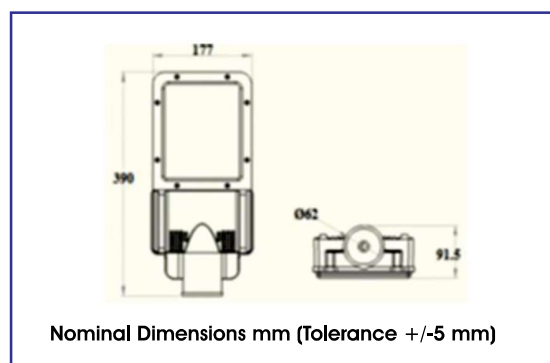
STREET LIGHT LED 70 W - 250W

Technical range of LED Street light suitable for lighting of high density vehicular traffic on Major, Minor City and Town Roads, Bridges, Industry Roads, etc.



PRODUCT DESCRIPTION

Housing and frame	Made of die-cast corrosion resistant aluminium alloy with heat dissipating fins design for excellent thermal management
Cover glass	Heat resistant toughened clear glass
Colour and finish	Epoxy powder coated grey finish
Light source	High power LED SMD type Color temp. White light 5700°K $\pm 300^\circ\text{K}$ and CRI > 70, MCPCB Construction, LPW > 100, 120 or above on request
Optical lens	Polycarbonate high performance Street Light distribution for multiple road categories
Driver compartment	Pressure die cast aluminium housing and top cover
Driver details	Input voltage range 120-270V AC/50Hz with Over voltage & Short circuit protection features
Mounting piece	Side entry suitable for variety of Pole Brackets types and sizes
Ingress protection	IP 66
External hardware	Corrosion resistant Stainless Steel



ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC	SYSTEM CURRENT (A) @240V AC	SYSTEM WATTAGE (W) ~	p.f	THD
SLK70W	240	0.34	70	>0.95	<10%
SLK90W	240	0.38	90	>0.95	<10%
SLK100W	240	0.43	100	>0.95	<10%
SLK120W	240	0.50	120	>0.95	<10%
SLK150W	240	0.63	150	>0.95	<10%
SLK180W	240	0.76	180	>0.95	<10%
SLK200W	240	0.84	200	>0.95	<10%
SLK220W	240	0.92	220	>0.95	<10%
SLK220W (HT)	240	0.92	220	>0.95	<10%
SLK 250W	240	1.06	250	>0.95	<10%

Certifications: LM 79, LM80, IS:10322 (pt5/sec.5)-1987/IEC 60598, BIS, IP certification and reports available on request

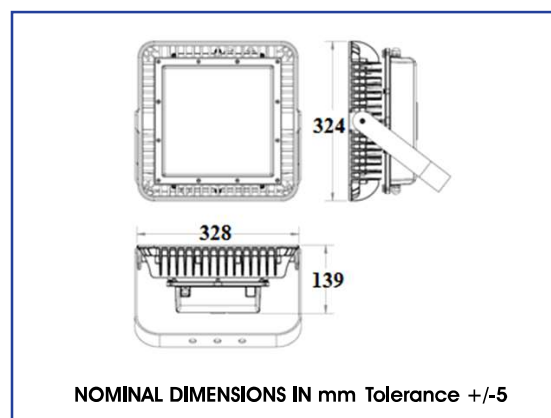
FLOOD LIGHT LED 120 - 250 W

Technical range of LED Flood light suitable for lighting of Interior and Exterior Area applications on Poles/Structures, High Mast located at City and High way Junction Lighting, Large Open Areas, Industrial Interior and exteriors, Construction sites, Storage Container and Railway Yards, Air & Sea Ports, etc.



PRODUCT DESCRIPTION

Housing and frame	Made of pressure die-cast corrosion resistant aluminium alloy with heat dissipating fins design for excellent thermal management
Cover glass	Heat resistant toughened clear glass
Colour and finish	Epoxy powder coated grey finish
Light source	High power LED SMD type Color temp. White light 5700°K \pm 300°K and CRI > 70, MCPCB Construction, LPW > 100, 120 or above on request
Optical lens	Polycarbonate high performance type
Driver compartment	Pressure die cast aluminium housing installed at the rear side of the flood light isolated from the Main flood light housing for effective thermal management
Driver details	Input voltage range 120-270V AC/50Hz with Over voltage & Short circuit protection features
Mounting piece	Cradle Bracket MS powder coated suitable for Pole and High Mast bracket installations
Ingress protection	Flood light IP 66, Driver enclosure IP 65
External hardware	Corrosion resistant Stainless Steel



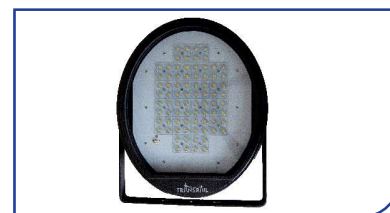
ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC	SYSTEM CURRENT (A) @240V AC	SYSTEM WATTAGE (W) ~	p.f	THD
AFL120	240	0.50	120	>0.94	<10%
AFL150	240	0.63	150	>0.95	<10%
AFL180	240	0.80	180	>0.95	<10%
AFL200	240	0.84	200	>0.95	<10%
AFL250	240	1.2	250	>0.95	<10%

Certifications: LM 79, LM80, IS:10322 (pt5/sec.5)-1987/IEC 60598, BIS, IP certification and reports available on request

FLOOD LIGHT LED 300 - 550 W

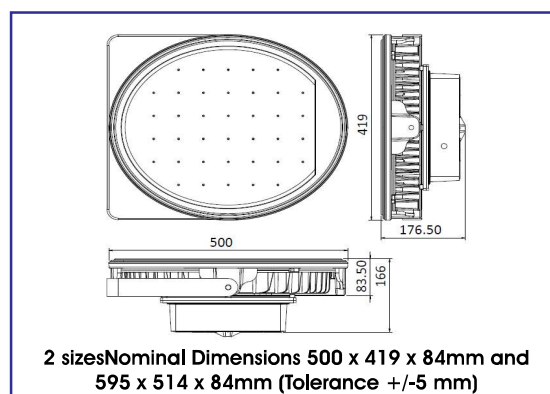
Technical range of LED Flood light suitable for lighting of Interior and Exterior Area applications on Structures, High Mast located at City and High way Junction Lighting, Large Open Areas, Railway Yards, Air & Sea Ports, Container Yards, Sports Lighting applications, etc.



PRODUCT DESCRIPTION

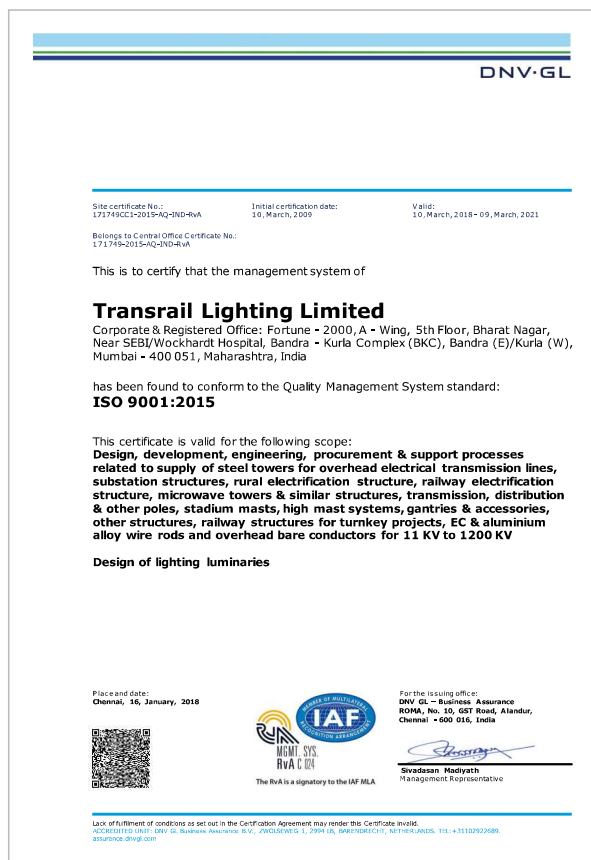
Flood light housing and frame	Made of pressure die-cast corrosion resistant aluminium alloy with heat dissipating fins design for excellent thermal management
Cover glass	Heat resistant toughened clear glass
Colour and finish	Epoxy powder coated grey finish
Light source	High power LED SMD type Color temp. White light 5700°K \pm 300°K and CRI > 70, MCPCB Construction, LPW > 120, 120 or above on request
Optical lens	Polycarbonate high performance type narrow, medium, wide (other options as per project needs)
Driver compartment	Pressure die cast aluminium housing installed at the rear side of the flood light isolated from the Main flood light housing for effective thermal management
Driver details	Input voltage range 120-270V AC/50Hz with Over voltage & Short circuit protection features
Mounting piece	Cradle Bracket MS powder coated suitable for Pole and High Mast bracket installations
Ingress protection	Flood light IP66, Driver enclosure Ip 65
External hardware	Corrosion resistant Stainless Steel

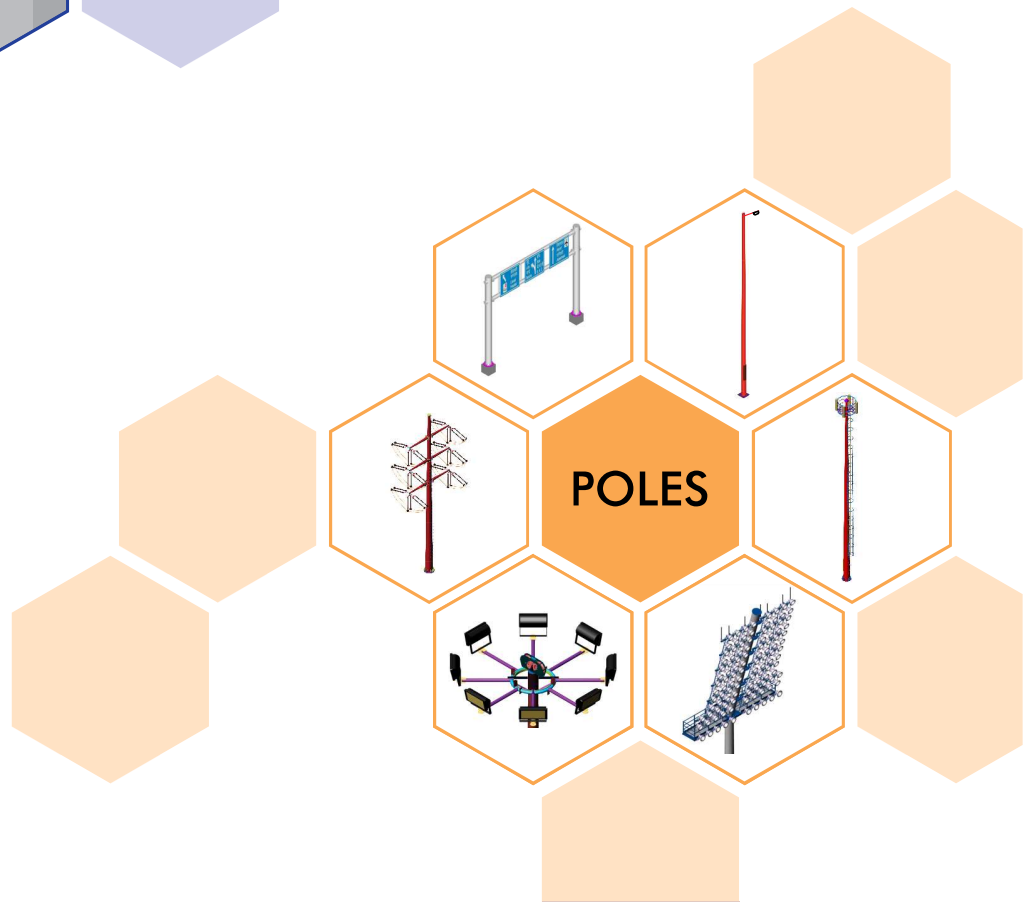
Certifications: LM 79, LM80, IS:10322 (pt5/sec.5)-1987/IEC 60598, BIS, IP certification and reports available on request



ELECTRICAL DATA (NOMINAL)

CAT. REF.	INPUT VOLTAGE (V) AC	SYSTEM CURRENT (A) @240V AC	SYSTEM WATTAGE (W) ~	p.f	THD
AFL300	240	1.3	300	>0.95	<10%
AFL350	240	1.5	350	>0.95	<10%
AFL400	240	1.80	400	>0.95	<10%
AFL450	240	1.90	450	>0.95	<10%
AFL500	240	2.10	500	>0.95	<10%
AFL550	240	2.30	550	>0.95	<10%





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MANUFACTURING UNIT

Silvassa Plant (Poles)

Survey No. 227/1, 227/2, 227/3, 227/4, 227/5, Khanvel, Talasari Road, Opp HPCL, Kherdi Village, Silvassa - 396 230 .

Tel: +91-260 2641 666 | Fax: +91-260 2631 666



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