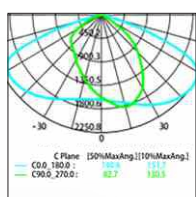
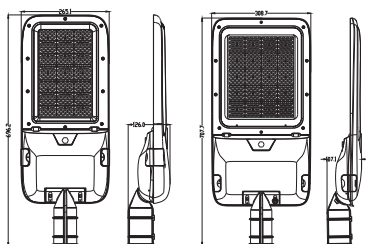
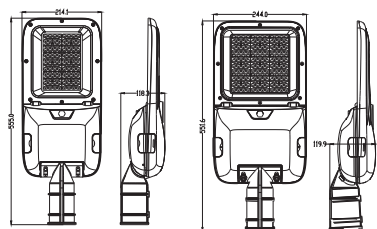




Butterfly Fusion X

SMART LED ROAD LIGHT SERIES





Dist. (M)	Enaldir (lx)
10m	1.000
11m	0.826
12m	0.694
13m	0.592
14m	0.510



Technical Specifications

Electrical Characteristics

Wattage	60W	90W	120W	150W	180W
	Other wattages also available ranging from 35W to 240W				
LED Driver	Vossloh Schuebe ComfortLine Prog S-1-10 V 100 V/ Philips Xitanium-100W/150W-0.7A-230V-Y / SUNCOME HVC-150-56				
LED Driver Type	Constant Current Programmable LED Driver / Constant Current LED Driver				
Voltage Range	100V - 277V 50/60HZ				
Power Factor	>0.95 (nominal power)				
Drive Current	100mA - 700mA				
Surge Protection	10KV / 20KV Dedicate SPD				

Light Technical Characteristics

Lumen Package (Lm)	>8,400	>12,600	>16,800	>21,000	>25,200
	Other lumen packages also available ranging from 4,900 Lm to 35,000Lm				
System Efficacy	>155 Lm/W / >140 Lm/W				
Light Output Ratio (LOR)	>85%				
Light Source	Lumileds Lexeon 3030 2D / TYF 3030				
LED Efficiency	>200 Lm/W / >175 Lm/W (upto 220 Lm/W)				
Color Rendering Index	Minimum 70				
Beam Angle	Standard Beam Angle 90 x 150 Degree Type II M (other Type(s) also available)				
Color Temperature	CW -5700K/ NW -4000K/ WW -3000K ±500K				
Lifetime	120,000 hours				
Photometric Data	IES / LDT Photometric Data File are available				

Environmental Characteristics

Installation	48-60mm pole, side entry			
Mounting Height (Ideally)	6-8m	8-10m	10-12m	10-14m
Working temperature	-40°C to 55°C			
Wind force	Up to 150 km/h			
Relative humidity	Up to 95%RH			

Mechanical Parameters

Housing material	High pressure die-cast aluminum			
Gasket material	Heat resistant silicone rubber			
Glass	Tempered Glass			
Finishing	Corrosion resistant powder coating			
Dimensions (LxWxH) mm	555x214 x118	555x244 X118	696x265 X126	708x309 x107
Weight (Approx.)	4kg	5kg	7kg	9kg
Certifications	CE LVD & CE EMC			
Classifications	IP66 & IK08			

Unique Features

Easy Maintenance	Tool-less opening of gear Compartment & Tool less LED Module replacement
Future Proof Design	Upgradable to solar or any other future technologies
NEMA Control	Optional Provision for 7 pin NEMA socket & other connected solutions.
Applications	Expressways, Highways, Major Roads, Secondary Roads, Industrial Roads & Residential Roads.