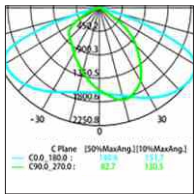
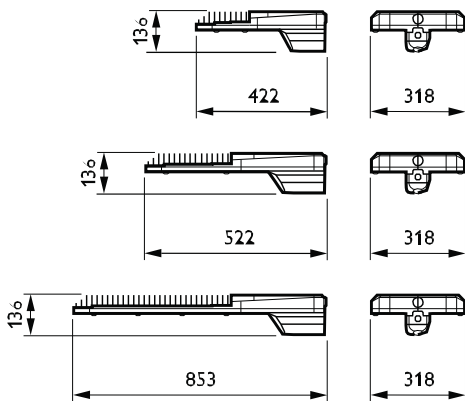
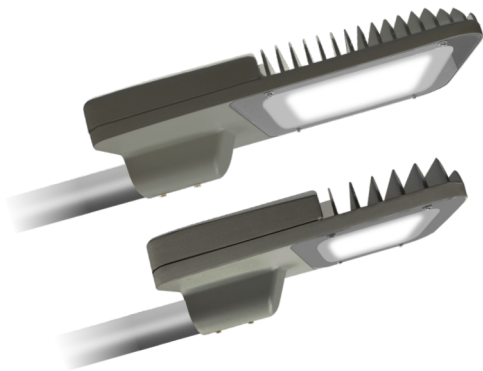




# Butterfly Exceed Pro

LED ROAD LIGHTS SERIES





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



## Technical Specifications

Electrical Characteristics							
Wattage	40W	60W	90W	120W	150W	180W	240W
	Other wattages also available ranging from 35w to 314w						
LED Driver	Vossloh Schuabe ComfortLine-Prog-S-1-10V-100V-IP						
LED Driver Type	Constant Current Programmable LED Driver						
Voltage Range	100-277V 50/60HZ						
Power Factor	>0.95 (nominal power)						
Drive Current	100mA - 700mA						
Surge Protection	10KV Dedicate & 10KV Drivers Built-in						
Light Technical Characteristics							
Lumen Efficacy	>140 Lm/W						
Lumen Package (Lm)	5600	8400	12600	16800	21000	25200	33600
	Other lumen packages also available ranging from 4,550 Lm to 42390Lm						
Light Source	Lumileds 3030 2D						
LED Efficiency	195 Lm/w						
Color Rendering Index	Minimum 70						
Beam Angle	Standard Beam Angle 90x150 Degree Type II M (other Type(s) also available)						
Color Temperature	CW -5700K / NW -4000K / WW -3000K ±500K						
Lifetime	50,000 hours (70% lumen maintenance @ Ta = 35°C)						
Environmental Characteristics							
Installation	*48-60mm pole, side entry						
Mounting Height	Up to 6-10m		Up to 8-12m		Up to 10-15m		
Windage Area	0.134m <sup>2</sup>		0.166m <sup>2</sup>		0.271m <sup>2</sup>		
Working temperature	- 40°C < Ta - 55°C						
Wind force	Up to 60m/s						
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)	422 x 318 x 136mm		522x318x136mm		853x318x136mm		
Weight	6kg Approx.		9kg Approx.		14kg Approx.		
Certifications	CE LVD, CE EMC, from accredited Laboratory to ISO17025 and recognized by ILAC. IP66, IK08, Salt Spray, Vibration, Photometric Test, Photo Biological Safety etc.						
Protection	IP66; IK08;						
Unique Features							
Easy Maintenance	Tool-less opening of gear Compartment, Tool-less gear tray replacement & Tool less LED Module replacement						
Future Proof Design	Upgradable to solar or any other future technology						
Programmability	<b>The light can be programmed to work on multiple dimming stages to save energy in off-peak hours</b>						
NEMA Photocell Sun-Switching	Dedicated NEMA photocell based switch to automatically turn the light ON at sunset and turn the light OFF at the sunrise (Optional Part)						
Applications	Expressways, Highways, Major Roads, Secondary Roads, Industrial Roads & Residential Roads.						