

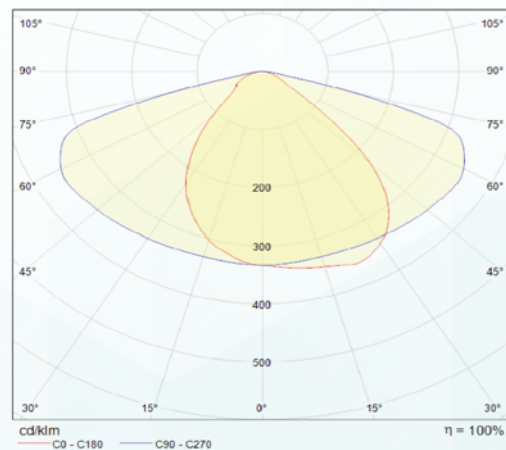
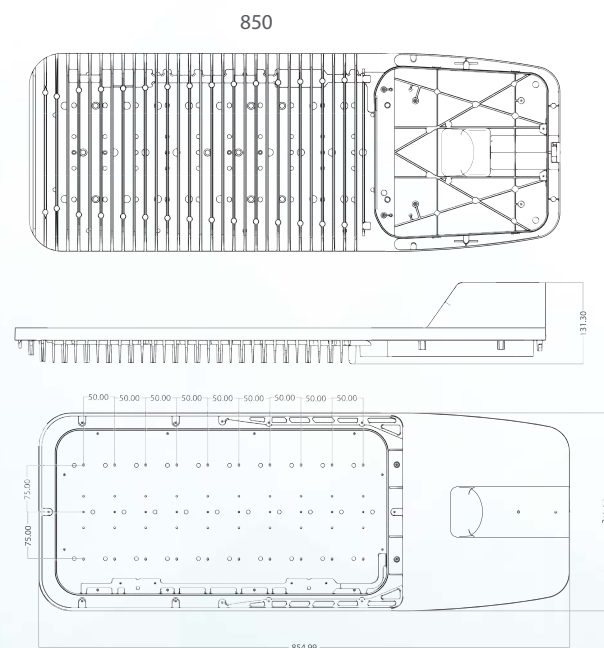
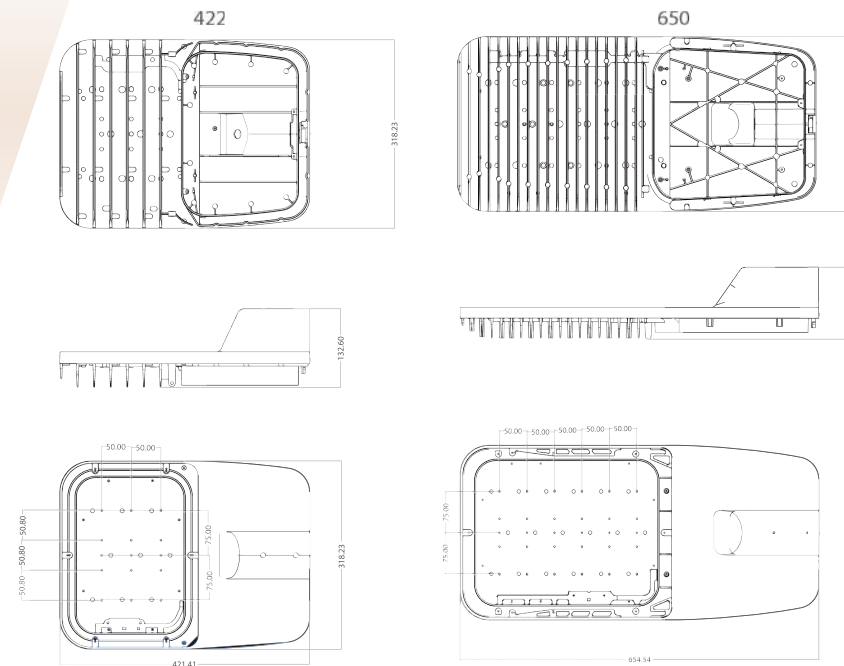


SAMSUNG LED
inside

Street Light - JKR

Street Light - JKR

SAMSUNG LED
inside



Power	60W	80W	120W	160W	200W	240W
Optical Specification						
• Color Temperature (CCT)	3500 K					
• Color	Warm White / Neutral White					
• Color Rendering Index (CRI)	> 70					
• Color Code	735					
• Luminous Flux	8220 lm	10400 lm	16400 lm	20800 lm	26800 lm	31200 lm
• Luminous Efficacy	137 lm/W	130 lm/W	137 lm/W	130 lm/W	134 lm/W	130 lm/W
Electrical Specification						
• Power Consumption	60 W	80 W	120 W	160 W	200 W	240 W
• Input Voltage Range	90 - 305 Vac					
• Input Voltage (Nominal)	100 - 240 Vac					
• Input Frequency Range	47 - 63 Hz					
• Input Frequency (Nominal)	50/60 Hz					
• Power Factor	> 0.95					
• Total Harmonic Distortion (THD)	< 15 %					
• Maximum AC Input Current	≤ 2.0 A					
• Inrush Current (Cold Start)	≤ 75 A					
• Leakage Current	< 0.75 mA					
• Surge Transient Protection	20 kV					
• Insulation Classification	Class I					
• Protection	Short Circuit Protection Over-Current Protection Over - Voltage Protection Over - Heat Protection					
• LED Chip	Samsung High - Power LED					
Mechanical Specification						
• Heatsink Material	Cast Aluminium					
• Lens Material	PMMA					
• PCB Material	Sumitomo Metal Core PCB (UL 796)					
• Operating Temperature	-20°C ~ 40°C					
• Operating Humidity	20 - 90 % RH					
• Ingress Protection	IP66					
Product Reliability						
• Mean Time Between Failure of Power Supply	> 200,000 hrs (Ambient = 25C, Input = 115Vac, Output = 80%)					
• Life Span of Power Supply	> 50,000 hrs					
• Average Lumen Maintenance after 6,000 hrs	98.1%					
• LED 95% Lumen Maintenance (Cree L95)	> 66,500 hrs (LED Driving Current = 1A, Ambient = 85C)					

SAFETY & ELECTROMAGNETIC COMPATIBILITY STANDARDS

Safety	IEC/EN61347-1 IEC/EN61347-2-13 IEC/EN61347-1 IEC/EN61347-2-13 UL 8750 UL 1310 UL1012 CSA C22.2 No.107.1-01
Electromagnetic	IEC/EN55015 IEC/EN61000-3-2 IEC/EN61000-3-3 IEC/EN61547