

SG90A LED STREET & ALLEY LIGHT

WORLDWIDE POWERED

ACTIVE POWER FACTOR CORRECTION (PFC)

LEDs – 160 LM/W

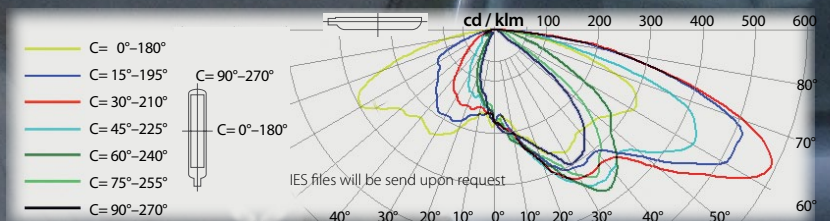
EXTREMELY WIDE ASYMMETRIC LENSES

ZERO LIGHT POLLUTION

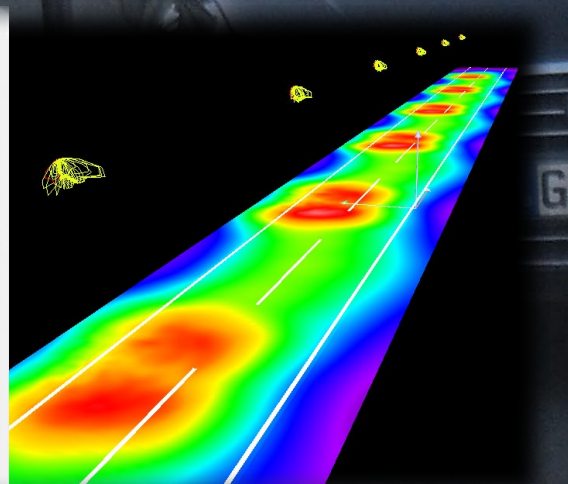
AUTOMATIC ECONOMY LATE NIGHT DIMMING*

SG90A

- HIGH ENERGY EFFICIENCY
- NO MAINTENANCE COSTS
- LONG LIFECYCLE
- HIGH QUALITY AREA ILLUMINATION
- ERGONOMICAL – CLOSE TO NATURAL LIGHT
- ECOLOGICAL – MERCURY AND LEAD FREE



False Colours illuminances	
<input type="checkbox"/>	20.00 lx
<input type="checkbox"/>	17.50 lx
<input type="checkbox"/>	15.00 lx
<input type="checkbox"/>	12.50 lx
<input type="checkbox"/>	10.00 lx
<input type="checkbox"/>	7.50 lx
<input type="checkbox"/>	5.00 lx
<input type="checkbox"/>	2.50 lx
<input type="checkbox"/>	0.00 lx



SG90A

SPECIFICATIONS

AC Input Voltage	90 ÷ 305 V AC
DC Input Voltage	127 ÷ 431 V DC
Mains Frequency	47 ÷ 63 Hz
Power Factor (PF) at 230 V	min 95 %
Power Factor (PF) at 115 V	min 98 %
LED Power	81.5 W
Power Efficiency	90.5 %
Total Power	90.1 W
Average power in late night dimming mode*	64 W
LED Light Output	160 lm/W
Current Efficiency	82 %
LED Luminous Flux	10 176 lm
Junction Temperature at Ta = 25°C	70°C
Thermal Efficiency	91 %
Lens Efficiency	92 %
Real Luminaire Efficacy (LER)	92 lm/W
Color Rendering Index (CRI)	65 ÷ 80
Real Lamp Luminous Flux for:	
Cool White (4000 ÷ 6200 K)	8 518 lm
Neutral White (3700 ÷ 5000 K)	7 890 lm
Warm White (2600 ÷ 4300 K)	6 676 lm
Zero Light Pollution	0 cd at 90 deg
Operating Temperature	-40° ÷ +45°C
Operating Humidity	10 ÷ 95 % RH
Lifespan L70	> 160 000 h
Ingress protection rating	IP 65
Electrical Safety Class	Class II
Polycarbonate optical cover (optional) efficiency	90 %

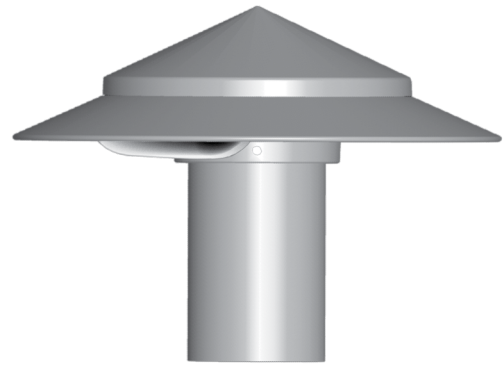
MECHANICAL CONSTRUCTION

Body	Marine Grade Aluminium Alloy
Installation Diameter	ø 124 mm
Dimensions	ø 420 x 330 mm
Weight	10.3 kg

Additional deliveries

- Zink plated metal poles
- Means of fixing the pole underground / fundament

- * Late night dimming:
50 % illuminance decreasing after 4 hours till 1 h before dawn;
Optional illuminance decreasing 20 ÷ 90 %;
Optional dimming start 2 ÷ 8 hours;
Optional dimming stop 0.5 ÷ 3 h before dawn.



SG90A Application According EU Standards

3 lanes x 3.5 m ME4a streets L = 27 m, H = 20 m
(more than 60 km/h)

3 lanes x 3.5 m ME5 streets L = 40 m, H = 20 m
(less than 60 km/h)

- L - Distance between the light sources (poles)
H - Height of the light source above the ground

