

SG50A LED STREET & ALLEY LIGHT

WORLDWIDE POWERED

ACTIVE POWER FACTOR CORRECTION (PFC)

LEDs – 160 LM/W

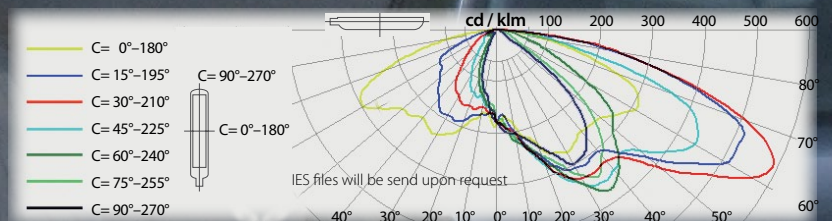
EXTREMELY WIDE ASYMMETRIC LENSES

ZERO LIGHT POLLUTION

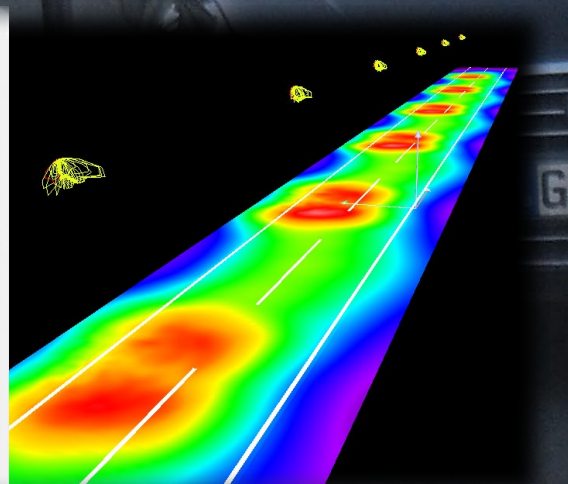
AUTOMATIC ECONOMY LATE NIGHT DIMMING*

SG50A

- 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



SG50A

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	41 W
Power Efficiency	88 %
Total Power	46.6 W
Average power in late night dimming mode*	33.1 W
LED Light Output	160 lm/W
Current Efficiency	78 %
LED Luminous Flux	5 402 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)	4 522 lm
Neutral White (3700 ÷ 5000 K)	4 189 lm
Warm White (2600 ÷ 4300 K)	3 544 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 %

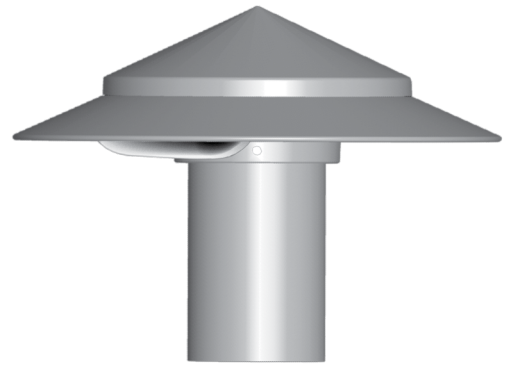
MECHANICAL CONSTRUCTION

Marine Grade Aluminium Alloy Body	
Installation Diameter	ø 76 ÷ 89 mm
Dimensions	ø 316 x 260 mm
Weight	4,5 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.



SG50A Application According EU Standards

2 lanes x 3.5 m ME4a streets L = 21 m, H = 7 m
 (more than 60 km/h)

2 lanes x 3.5 m ME5 streets L = 32 m, H = 7 m
 (less than 60 km/h)

1 lane x 4.0 m ME5 streets L = 38 m, H = 7.5 m
 (less than 60 km/h)

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

