



SMG LED STREET LIGHTS

WORLDWIDE POWERED

ACTIVE POWER FACTOR CORRECTION (PFC)

ADAPTIVE ROTATION INSTALLATION FRAME, RETROFIT WISE

CREE LEDs

BOROSILICATE GLASS ASYMMETRIC LENSES

HIGHT OPERATING TEMPERATURE

NO LIGHT POLLUTION

AUTOMATIC ECONOMY LATE NIGHT DIMMING *

SMG

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

SMG series



SPECIFICATIONS		SMG20	SMG30	SMG40	SMG60	SMG70	SMG100	SMG110	SMG140	SMG170	SMG200	SMG230	
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	(W)	20.7	31	39.6	57.2	62	89	101.5	126.8	162	189	216	
Power Efficiency	(%)	88	88	89	90	89	93	93	93.5	94	93.5	94	
Total Power	(W)	23.5	35.3	44.5	63.6	69.7	96.7	109.1	135.7	172.3	202.1	230	
Average power in late night dimming*	(W)	16.5	24.7	31.2	44.5	48.8	67.7	76.4	95	120.6	141.5	161	
LED Luminous Flux	(lm)	2540	3810	5040	7280	7620	11015	13416	16770	20453	24024	27456	
Junction Temperature								80°C					
Lens Efficiency								92 %					
Real Luminaire Efficacy (LER)	(lm/W)	94	93.9	98.5	99.6	95.1	99.1	109.1	107.5	103.3	103.4	103.8	
Color Rendering Index (CRI)								65 ÷ 80					
Real Lamp Luminous Flux for: (lm)													
Cool White (4000 ÷ 6200 K)		2210	3315	4385	6334	6629	9583	11672	14590	17794	20901	23887	
Neutral White (3700 ÷ 5000 K)		2049	3073	4065	5873	6146	8885	10822	13527	16498	19378	22147	
Warm White (2600 ÷ 4300 K)		1735	2602	3442	4973	5204	7523	9163	11454	13969	16409	18753	
Operating Temperature								-40° ÷ +55°C					
Operating Humidity								10 ÷ 95 % RH					
Lifespan L70								> 160 000 h					
Ingress protection rating								IP 65					
Electrical Safety Class								Class II					
Mechanical impact protection								IK 08					

MECHANICAL CONSTRUCTION

Body		Marine Grade Aluminium Alloy										
Stainless Steel Rotation Mechanism		102° (-90° ÷ +12°)										
Installation Diameter		ø 42 ÷ ø 76 mm										
Dimensions	L (mm)	340	340	460	460	460	610	640	760	880	1000	1120
(with out Installation parts)	H x W	180 x 68										
Weight	(kg)	2.5	2.5	2.9	3.6	4.1	5.3	6.8	8.3	9.8	11.3	12.8

- * 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 after dusk or at midnight;
 Optional dimming stop – 0.5 ÷ 3 h before dawn.

Additional deliveries

- Zink plated metal poles
- Means of fixing the pole underground / fundament
- Optional kit for mounting one or two lamps sideways to the pole ø 70 ÷ 200 mm