

STREET LIGHT

Luminaires not only for street lighting

Model range: SCLA1 - 30 W up to 80 W

Above standard lifetime and reliable operation

The possibility of revitalization extends the duration of use multiple time

Asymmetric luminous flux in two axes



Professional lights SCLA1 series with **verified operating reliability**. Wide power range enables to optimize the choice of outdoor lighting luminaires such as all kinds of communications, warehouse areas, parking areas and other places. They can also be used indoors in production halls, warehouses, etc.

The long lifetime of the SCLA1 luminaire series is guaranteed by the combination of a high-quality power supply and a custom MCOB with a patented heat sink design. The design of the body of the luminaire uses natural airflow and has a special application with high resistance to dirt adhesion. This significantly extends the maintenance period and **reduces the operating costs**.



The MCOB technology meets ANSI Binning standards to ensure the same color and intensity of light output. Each individual product fulfills the declared light parameters within the strictest range $\pm 2.5\%$. The revitalization possibility of active technological parts **reduces the TCO and extends the lifetime multiple times**.

Luminaires SCLA1 have operating reliability in accordance with actual EN standards throughout the ambient temperature range from $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$. The highly durable optics effectively direct the light flux into the $130^{\circ} \times 60^{\circ}$ space with an offset from the vertical axis. Luminaires have a constant luminous flux **without a stroboscopic effect**.

Each luminaire can be fitted with a 20 kA current protector.



Street Light SCLA1

General information

number of light source:	1 COB with patented heat dissipation
lifetime:	according to TM21: 107 000 hours
replaceable COB:	yes
cooling system	lightweight construction with highly efficient heat sink
replaceable driver:	yes
power driver:	from range HLG-xxxH-C
optical unit:	clear tempered glass
ecology:	does not contain mercury or silicone
mounting:	on the boom
housing material:	ADC 12 Die Cast Aluminium
housing finish:	AkzoNobel Interpon Powder Coating

Technical parameters

operation temperature range:	-40 °C to + 60 °C
light output range:	asymmetric optics 130° x 60°
CCT:	3 000 K, 4 500 K or 6 000 K in a narrow range of chromaticity ±2,5%
ingress protection:	IP65 with a durable PU seal
power supply:	90 V to 305 V~, 47 to 63 Hz
flicker index:	0
flicker frequency:	<1% / 100Hz in the whole range
management:	(A) without management (B) 1-10 V / PWM (D) DALI
MTBF:	191 000 hrs. - driver (A) MIL-HDBK-217F (25°C)
optional accessories:	surge protection device 20kA (8/20µs)

Standards

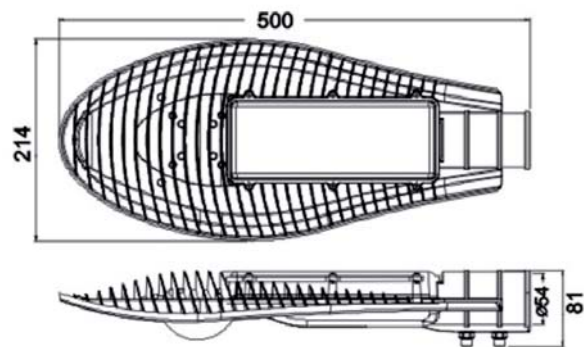
- RoHS, IP65, hazardous light complies with Directive EC and Council 2013/35/EC
- Resistance according to EN 60598-1-2-3 +A1, EN 62031 +A1
- EMC: Directive 2004/108/EC – EN 55015, EN 61000, EN 61547

- Does not emit light interference by ANSI C63.4 & 47

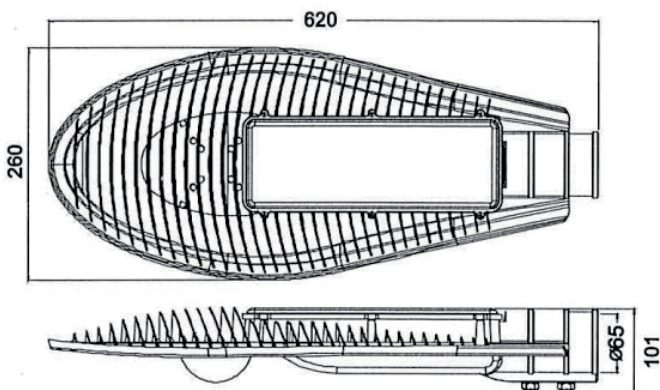


Model specifications:

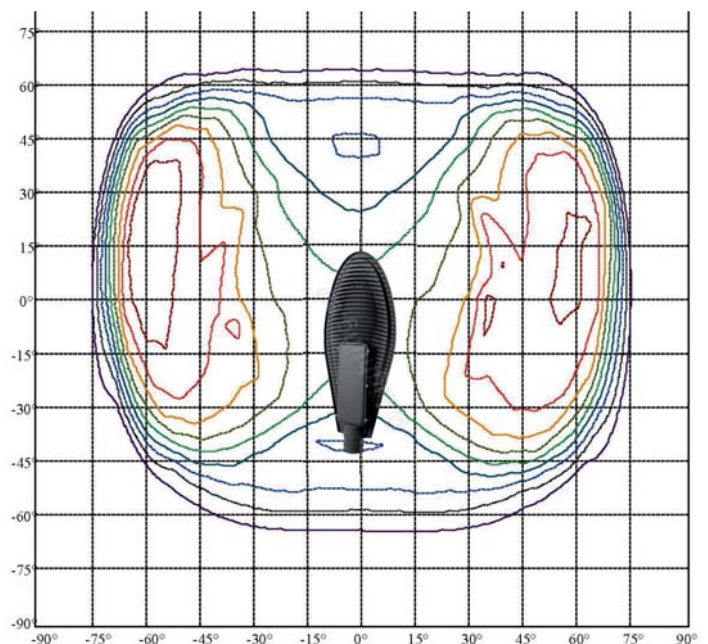
Model	Power	CCT	Luminous flux	PFC	Weight
SCLA1-030W	29 W	3 000 K	3 200 lm	>0,97	2,50 kg
SCLA1-050W	49 W	3 000 K	5 600 lm	>0,97	2,50 kg
SCLA1-060W	58 W	3 000 K	6 530 lm	>0,97	3,64 kg
SCLA1-080W	82 W	3 000 K	9 550 lm	>0,98	3,64 kg



dimensions SCLA1-030



dimensions SCLA1-060 / 050 / 080



ISO intensity (V-H)