

STREET LIGHT

Luminaires for public lighting

Model series: SLCD1

FEATURES

long-life COB light source

asymmetrical luminous flux in two axes

AstroDim control with programmable dimming control

anti-fouling coated heat sink with highly efficient heat dissipation

revitalizable light and power supply

protection capability up to 20kA



Professional luminaires of the SLCD series with proven long reliability. Wide power range allows to optimize the choice of the model for lighting of outdoor areas, roads, parking lots, building surroundings, parking areas, indoor areas of production halls and warehouses, etc.

The long service life of the SLCD series luminaires is guaranteed by the combination of a top-notch power supply and our own COBs with a patented design of a large surface area for heat dissipation to the radiator. The design of the luminaire body uses natural airflow and is equipped with a special application against dirt adhesion. This significantly extends the maintenance period and reduces operating costs.

The production technology of the used MCOB (Multi Chip on Board) complies with ANSI Binning standards to ensure the same color and intensity of the luminous flux. Each individual product meets the declared light parameters in the strictest range of $\pm 2.5\%$. The possibility of revitalizing active technological parts reduces TCO and extends the service life many times over.

The SLCD series luminaires have operational reliability according to current ČSN EN standards in the entire range of ambient temperatures from $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$. Robust glass optics effectively direct the light flux into a space of $130^{\circ} \times 60^{\circ}$ with a deviation from the vertical axis. The luminaires have a constant luminous flux without a stroboscopic effect.

Each luminaire can have a 20 kA residual current device. The power range of the SLCD series luminaires ranges from 30 W to 180 W.

TECHNICAL SPECIFICATION

lifetime:	121 500 hours / TM21
operating temp. range:	- 40 °C to + 60 °C
radiation angle:	130° x 60° asymetrically
Ingress protection:	IP65
option:	surge 20kA (8/20μs)
ecology:	mercury and silicone free
CRI:	>75 nebo >85
revitalization:	replaceable COB LED and power supply

CCT:	2600K(WA), 3000K(W), 4500K(T)±2,5%
power driver:	int./ext. MEANWELL, MOSO
power supply:	90 V to 305 V~, 47 to 63 Hz
flicker index:	0
ripple on frequency:	< 1% / 100 Hz
management:	(A) ON/OFF (D) DALI (T) AstroDim (Timing Dimming)
MTBF:	133 000 hours - zdroj (D) MIL-HDBK-217F (25 °C)

STANDARDS

- RoHS, Directive EC and Council 2011/65/EC
- Directive EC and Council for low voltage 2006/95/EC
- EMC: Directive 2004/108/EC – EN 55015, EN 61000, EN 61547
- Luminous parameters listed in accordance with EN13032-4

- Directive 2006/25/EC: health and safety requirements for the exposure of workers to the risks related to optical radiation from artificial sources
- Complies with EN 13201

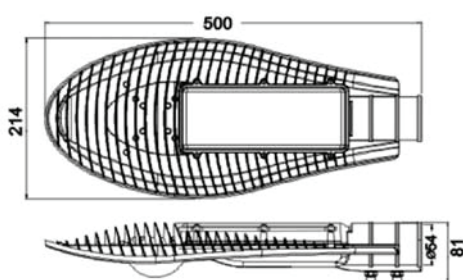


MODEL SPECIFICATION

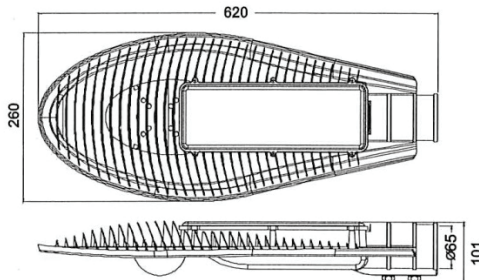
Model	Power	CCT	Luminous flux	PFC	Dimension (AxBxC)	Weight
SLCD1-030W	29 W	3000 K	4 200 lm	>0,97	500 x 214 x 81 mm	2,5 kg
SLCD1-050W	49 W	3000 K	7 100 lm	>0,97	620 x 260 x 101 mm	3,6 kg
SLCD1-060W	58 W	3000 K	8 500 lm	>0,97	620 x 260 x 101 mm	3,6 kg
SLCD1-080W	82 W	3000 K	11 7000 lm	>0,97	620 x 260 x 101 mm	3,6 kg

Luminous flux tolerance and photometric measurements were carried out in accordance with EN13032-4

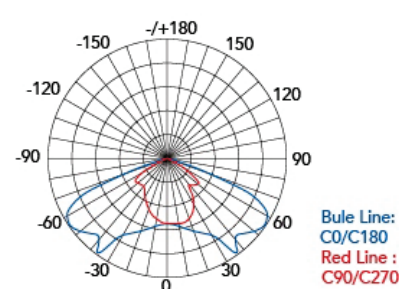
SLCD1-030 and SLCD1-050



SLCD1-060 and SLCD1-080



radiation characteristic



LDX-EN/25/01



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