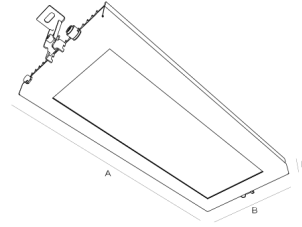


## VISION 4 SYM



OC ECG **	Socket	A/B/H[mm]	a/b/h[mm]	Weight [kg]	Flux [lm]*	Total power [W]
6423104XY	LED	690/296/60	-	9.00	22921	180.0

**GENERAL** Tunnel lighting luminaire, part of BUCK smart tunnel illumination system. Appropriate for various tunnel types and other harsh environments. Its longevity, energy efficiency and overall reliable performance ensure low usage costs.

**OPTICS** A wide range of PMMA lenses assures optimal lighting solution for any tunnel situation. Required lighting intensities and uniformities are ensured while high energy efficiency is achieved.

Basically, two types of light distributions are used for tunnel lighting:

**SYM** - symmetric light distribution is used for interior and entrance zone luminaires;

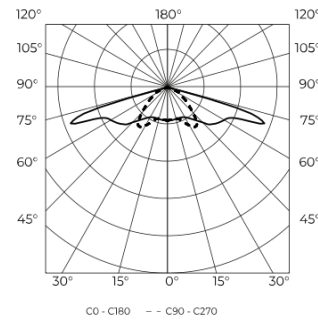
**ASY** - asymmetric light distribution is used for entrance and exit zone luminaires as counterbeam or probebeam application.

Optics protector is made of 5 mm tempered glass.

**HOUSING** Made of stainless steel 1.4571 / AISI 316 Ti (electrochemically polished and passivated for highest resistance to corrosion) and extruded aluminium alloy heatsink with conversion protection. The heatsinks are isolated from stainless steel housing, so there is no possibility of galvanic corrosion.

**LIGHTING MANAGEMENT** Smart LED lighting solutions for tunnels and subways include fully integrated control systems to monitor and manage various factors such as levels of light outside and inside the tunnel, speed and density of traffic, various tunnel zones, motion, presence, speed detection... Buck provides various solutions for luminaires control such as analogue current loop 4-20 mA interface (CLi), discrete time coded 230 V step dim interface (SDi), digital bidirectional RS-485 interface (RSi).

**FEATURES** Luminaire system consists of lighting units (VISION) and drivers for powering of LED light source. Drivers can be dislocated in the electro-niche, or in the junction boxes (JB) with through-wiring functionality. Performance and safety in different types of tunnels are achieved with a properly chosen optics from a wide range of light distributions. Easy mounting with fixed or adjustable brackets. Longevity assured by advanced protection against corrosion, impact and overheating.



CCT
4000 K
CRI
>70
LED Service life
100000h L90B10 /SDCM3



\* Luminaire luminous flux and connected electrical load - initial tolerance of  $\pm 10\%$  (at ambient temperature of  $25^\circ\text{C}$ ).

\*\* Add '-4' on ordering code for 1-10V control gear

\*\* Add '-5' on ordering code for DALI control gear or

\*\* Replace XY with the color code when ordering ( e.g. 11 white, 21 grey, 31 black).