ASTRAL SLIM

IP 66 | IK 08

Creating safety and ambiance in enclosed areas

Combining design, efficiency and modularity, ASTRAL Slim is a great alternative to fluorescent tubes for continuous or discontinuous lighting in enclosed areas such as train and metro stations, airports, shopping centres or any other indoor applications where the safety and well-being of the users are critical.

Thanks to its sleek and elegant housing, ASTRAL Slim contributes to the creation of a visually appealing environment with uniform, low-glare lighting that gives a real sense of safety and offers superior visual comfort.

Designed to provide operational benefits for site managers, this state-of-the-art LED linear lighting solution is characterised by its high efficiency, reduced energy consumption, minimal maintenance requirements and easy installation.

RAILWAY STATIONS & METROS | CAR PARKS | INDUSTRIAL HALLS & WAREHOUSES | SPORT FACILITIES

Concept

ASTRAL Slim is a compact linear lighting system built of robust materials and designed to ease installation and maintenance operations. The optical units are embedded in a corrosion-proof anodised aluminium profile using tool-free click-in fixations.

Both the housing and the optical units are supplied pre-cabled and equipped with quick connectors for a plug-and-play installation.

Thanks to a modular design, the length of the housing, the number of optical units and the integration of spacers can be customised to perfectly suit the lighting needs of the environment. Depending on the project, the ASTRAL Slim can be supplied with optical units controlled by the DALI protocol, either independently, by groups (up to 3 optical units) and through master and stand-by configurations.

Using cutting-edge technologies, ASTRAL Slim combines the energy efficiency of LEDs with the photometric performance and comfort of the photometrical engine developed by Schréder. The diffuse protector reduces the glare for an enhanced user experience.

ASTRAL Slim is compliant with the UL94 5VA flammability standard, which governs plastic materials in the event of a fire. Retaining cables prevent the fall of the optical units from the housing in case of vandalism or natural disasters such as an earthquake. The housing includes a pair of wires (red and black) in a cable harness and an outer cable tray to integrate additional features (e.g. loudspeaker or a DC supply).

Plug-and-play connections.

Mounting with click-in fixations. Retaining cable prevents a fall in extreme situations.

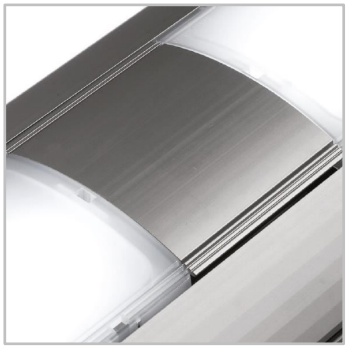
Types of application

- RAILWAY STATIONS & METROS
- CAR PARKS
- INDUSTRIAL HALLS & WAREHOUSES
- SPORT FACILITIES

Key advantages

- Compact design
- Aesthetic design
- Excellent uniformity of illuminance
- Visual comfort
- Beneficial LED alternative to T5/T8 fluorescent tubes
- Superior visual comfort (low glare)
- Tool free installation and plug-and-play connections
- Modular design with custom housing offers a number of optical units and control options (master and stand-by configurations)
- Integrated cable tray
- Fire resistant materials

Integrated cable tray.



Optional spacer between two optical units.

ASTRAL SLIM | CHARACTERISTICS

Schréder

GENERAL INFORMATION

Recommended installation height	3m to 8m | 10' to 26'
FutureProof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
CE Mark	Yes
ENEC certified	Yes
ROHS compliant	Yes
Testing standard	LM 79-08 (all measurements in ISO17025 accredited laboratory)

HOUSING AND FINISH

Housing	Aluminium
Optic	Aluminium reflector
Protector	Polycarbonate
Tightness level	IP 66
Impact resistance	IK 08
Access for maintenance	Toolless access to gear compartment

· The gear compartment is IP 20 or IP 44 (stand-alone configuration)

OPERATING CONDITIONS

Operating temperature range (Ta)	-30 °C up to +30 °C / -22 °F up to 86°F

· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	220-240V – 50-60Hz
Power factor (at full load)	0.9
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-4-5 / EN 61547
Control protocol(s)	DALI

OPTICAL INFORMATION

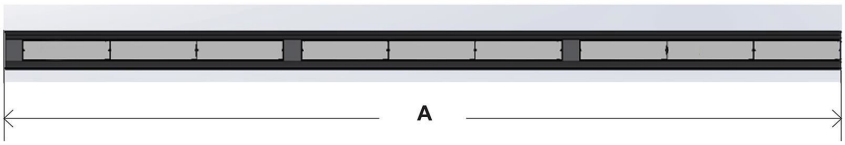
LED colour temperature	4000K (Neutral White)
Colour rendering index (CRI)	>80 (Neutral White)

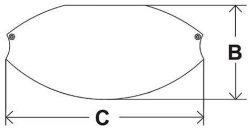
LIFETIME OF THE LEDS @ TQ 25°C

All configurations	80,000h - L70

DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	6000x133x278 | 236.2x5.2x10.9
Weight (kg | lbs)	43 | 94.6
Mounting possibilities	Suspended mounting Direct mounting on ceiling Ceiling-recessed





			Luminaire output flux (lm) Neutral White 840		Power consumption (W)	Luminaire efficacy (lm/W)
Luminaire	Number of LEDs	Current (mA)	Min	Max		Up to
ASTRAL Slim	24	166	1500	1500	13.8	109
	24	233	1900	2000	19.8	101
	48	233	4000	4000	37.5	107

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

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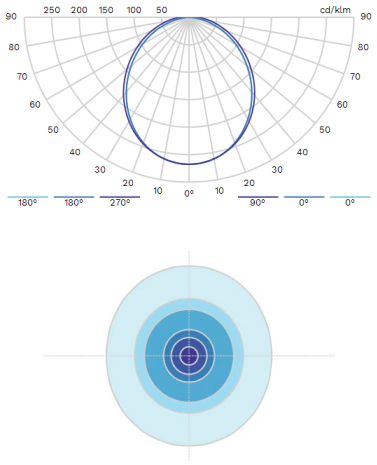

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