A-Line EX

LED luminaires for Zones 2 and 22 hazardous areas



A-Line EX is a hazardous-area, corrosion-resistant luminaire for ATEX Zones 2 and 22 environments, comprising an extremely durable extruded aluminium body with die-cast ends and polycarbonate cover.

This supremely robust linear luminaire is designed to deliver a long 100,000-hour life over an ambient temperature range of -10°C to +35°C.

SmartScan Radar versions are available, introducing integral lighting controls into hazardous areas via a sensor located behind the cover. This technology provides operators with advantageous energy-saving and operational status reporting through the SmartScan website.

Applications: ATEX Zone 2 & 22 areas.

- Robust and durable extruded aluminium body with die-cast ends finished full polyester powder coat
- Impact-resistant and fire-retardant polycarbonate cover secured with stainless steel tamper-resistant fixing screws
- SmartScan Radar versions with sensor discreetly hidden behind the cover for up to 4 m detection range
- Factory fitted through wiring option
- Wide ambient operating temperature range: Non-emergency -10°C to +35°C / Emergency 0°C to +30°C

IP65 **IK10** **Up to 171.4 LL/CW** SMARTSCAN LUXGUARD **TM66 circularity score 2.8**

Specification

Mounting	**Surface**	IP rating	**IP65**
Impact rating	**IK10**	Nominal size	**600 mm** **1200 mm** **1500 mm**

Sustainability

TM66 circularity score	**2.8**

A-Line EX

Lighting

Optic	**Clear polycarbonate cover**	Lumen output	**4,080 lm - 10,455 lm**
Efficacy	**Up to 171.4 LL/CW**		

Emergency data

Emergency lumen output	**700 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Nickel Metal Hydride (NiMH)**

Power

LED power	**22 W - 58 W**	Circuit power	**25 W - 61 W**

Construction

Housing	**Extruded aluminium body with die-cast aluminium ends**	Finish	**Full polyester powder coat**
Body colour	**Graphite**	Optical assembly	**Impact-resistant fire-retardant polycarbonate cover**
Gasket	**Long life silicone gasket**		

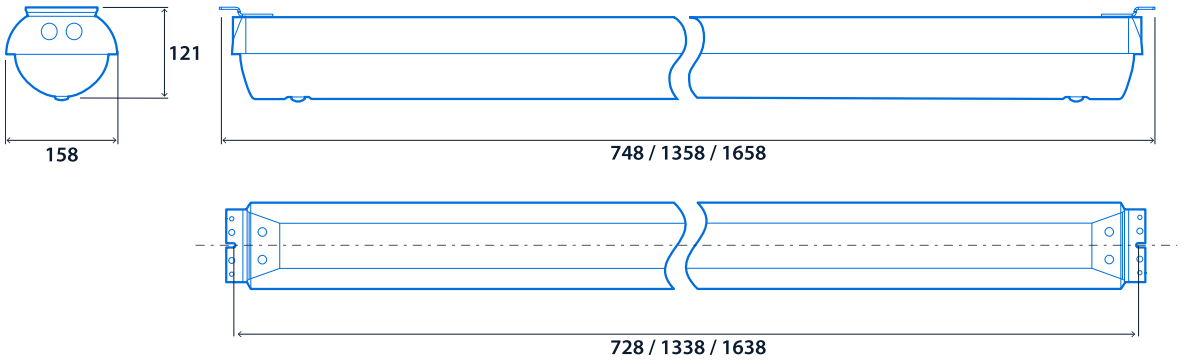
LED characteristics

CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L80/B10**	LED protection	**LUX Guard**
Driver efficiency	**>91%**	Replaceable light source	**Yes**
Power factor	**>0.95**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class B**	Hazardous compliance	**II 3 D Ex tc IIIC T85°C Dc II 3 G Ex ec IIC T4 Gc II 3 G Ex ec IIC T6 Gc**
ATEX certified	**Yes**		

Dimensions



A-Line EX

Range

Emergency system (optional)	Product	LED power	Nominal size	Cover	Distribution	Lighting control system	Through wiring (optional)
W SmartScan Emergency*	**AX** A-Line EX	**022** 22 W	**S** 600 mm	**P** IK10 Polycarbonate	**M** Medium	**R** SmartScan Radar	**TW** Through wiring***
D DALI / Self-Test Emergency**		**046** 46 W	**M** 1200 mm			**A** Dimming (DALI)	
		027 27 W **042** 42 W **058** 58 W	**L** 1500 mm				

* **Only** available with **R** control type ** **Only** available with **A** control type *** **Only** available with **M / L** nominal size

E.g. **WAX046MPMRTW** = SmartScan Emergency / A-line EX / 46 W / 1200 mm / IK10 Polycarbonate / Medium / SmartScan Radar / Through wiring



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View A-Line EX variants using our online filtering tool



Information is correct as of 16 Nov 2026, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.