

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
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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
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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

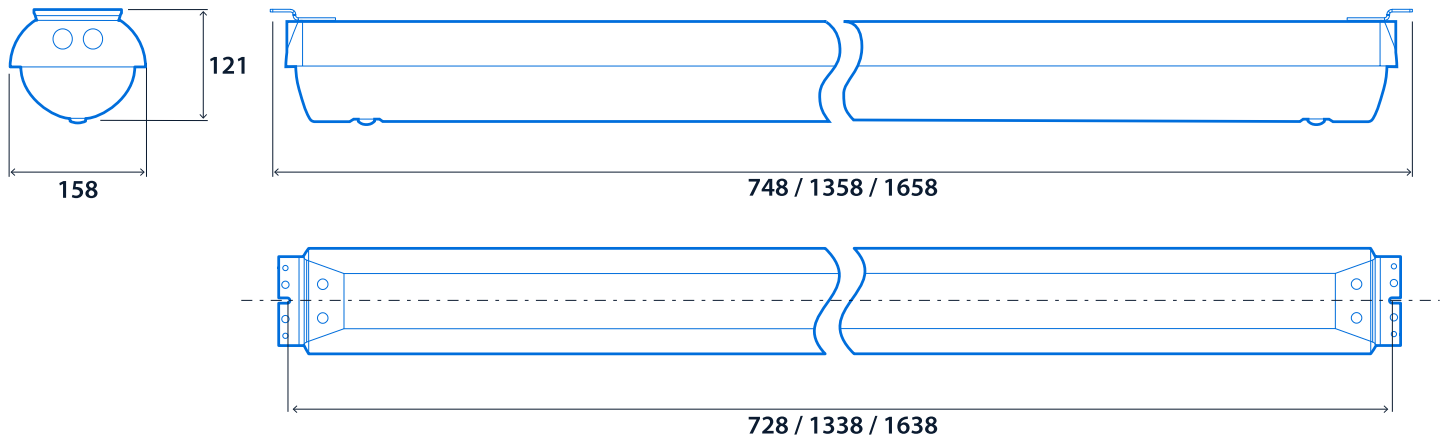
CRI	80+	Colour temperature	4000 K
Rated life (hours)	100 K - L80/B10	LED protection	LUX Guard
Driver efficiency	>91%	Replaceable light source	Yes
Power factor	>0.95	MacAdam ellipse	3 Step

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
ATEX certified	Yes		

A-Line EX

Dimensions



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 A Dimming (DALI)	TW Through wiring***
D DALI / Self-Test Emergency**		046 46 W	M 1200 mm				
		027 27 W	L 1500 mm				
		042 42 W					
		058 58 W					

* 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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Information is correct as of 28-Apr-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.