A-Line Pro

Extremely efficient, multi-purpose, corrosion-resistant luminaires



High-performance, corrosion-resistant luminaires ideal for arduous environments. A-Line Pro luminaires are robust and durable with an aluminium body and die-cast ends. A long-life silicone gasket ensures the IP66 rating, with a choice of acrylic or polycarbonate covers.

External mounting brackets and fitted flying lead for easy installation without opening the luminaire. High-performance optics with broad or narrow distribution options provide light exactly where it is needed.

Applications: cold stores, food factories, dairies, abattoirs, water treatment works, cable tunnels and multi-storey car parks.

- Robust and durable extruded aluminium body dissipates heat, ensuring long control gear life in higher ambient temperatures
- Fast installation with stainless steel mounting brackets embedded into the die-cast ends
- Can be fully installed without opening
- Optional tamper-resistant stainless steel cover screws
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit

Notes: For ambient temperatures below the stated minimum contact the Thorlux Technical department

IP66 **Up to IK10** **Up to 177.6 LL/CW** SMARTSCAN LUXGUARD

Specification

Mounting	**Surface**	IP rating	**IP66**
Impact rating	**Up to IK10**	Nominal size	**1200 mm** **1500 mm**
Max presence detection height	**Up to 8 m**		

Lighting

Optic	**Clear acrylic cover** **Clear polycarbonate cover**	Distribution	**Broad** **Narrow**
Lumen output	**2,965 lm - 18,025 lm**	Efficacy	**Up to 177.6 LL/CW**

Emergency data

Emergency lumen output	**550 lm - 650 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Power

LED power	**16 W - 101 W**	Circuit power	**21 W - 114 W**

Construction

Housing	**Extruded aluminium body with die-cast aluminium ends**	Finish	**Full polyester powder coat**
Body colour	**White**	Optical assembly	**IK07 acrylic cover IK10 polycarbonate cover**
Gasket	**Long life silicone gasket**	Cover fixings	**A4 stainless steel T25 pin Torx A4 stainless steel slotted**

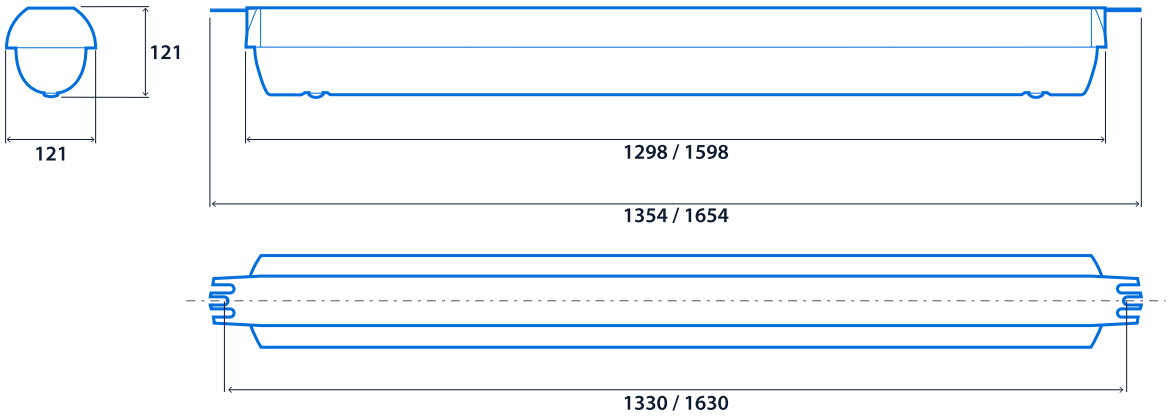
LED characteristics

CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L80/B10**	LED protection	**LUX Guard**
Driver efficiency	**>77%**	Replaceable light source	**Yes**
Power factor	**>0.9**	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 A**	Food production standards	**BRC HACCP IFS**
MOD compliance	**M.O.D. DSA 03.OME Part 2, Chapter 8 for 'Category C' areas (formerly JSP482)**		

Dimensions



Range

Emergency system (optional)	Product	LED power	Nominal size	Cover	Distribution	Lighting control system
W SmartScan Emergency*	**AP** A-Line Pro	**016** 16 W	**M** 1200 mm	**P** IK10 Polycarbonate	**B** Broad	**S** SmartScan Internal***
T AutoTest**		**026** 26 W		**A** IK07 Acrylic	**N** Narrow	**R** SmartScan Radar
E Standard Emergency**		**044** 44 W				**A** Dimming (DALI)
		056 56 W				**L** Non-dimming
		020 20 W	**L** 1500 mm			
		032 32 W				
		041 41 W				
		101 101 W				

* **Only** available with **S / R** control type ** **Only** available with **A / L** control type *** SmartScan Internal versions IK06

Tamper-resistant screws - suffix catalogue number with **T**

E.g. **WAP016MPBST** = SmartScan Emergency / A-Line Pro / 16 W / 1200 mm / IK10 Polycarbonate / Broad / SmartScan Internal / Tamper-resistant screws

Accessories

Product code	Description	Weight
KEY16976	T25 pin Torx bit - Suitable for magnetic bit holder	-





Click or scan here

View A-Line Pro 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.