Thoroproof Pro

Corrosion-resistant, high-ambient polycarbonate luminaires



Thoroproof Pro is an extremely efficient, corrosion-resistant linear luminaire with a high lumen output and high ambient temperature capability.

Thoroproof Pro is ideal for tough and arduous applications; the luminaire is IP65-rated and can withstand up to +50°C ambient temperatures due to its integrated aluminium heat sink. With version options offering up to 15,970 lumens and a long 100,000-hour life, Thoroproof Pro provides a versatile solution.

Thoroproof Pro is supplied with wireless SmartScan controls as standard. Factory fitted through-wiring is available as an option.

Applications: plant rooms, industrial process areas, workshops, storage areas and multi-storey car parks.

- Smooth easy-clean lines
- Secure and easy to operate cover clips (stainless steel option sold separately)
- Fast installation via-external stainless steel brackets maintains IP rating
- Integrated heat-sink allows optimal thermal control
- Factory fitted through-wiring options available
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit

Notes: 5000 K CCT options available on request

IP65 **IK08** **Up to 172.1 LL/CW** SMARTSCAN LUXGUARD

Specification

Mounting	**Surface**	IP rating	**IP65**
Impact rating	**IK08**	Nominal size	**1500 mm**
Max presence detection height	**8 m**		

Lighting

Optic	**Opal cover**	Lumen output	**12,045 lm - 15,970 lm**
Efficacy	**Up to 172.1 LL/CW**		

Emergency data

Emergency lumen output	**475 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Power

LED power	**64 W - 89 W**	Circuit power	**70 W - 96 W**

Construction

Housing	**Injection moulded fire-retardant polycarbonate body**	Body colour	**Light Grey**
Optical assembly	**Fire-retardant polycarbonate cover**		

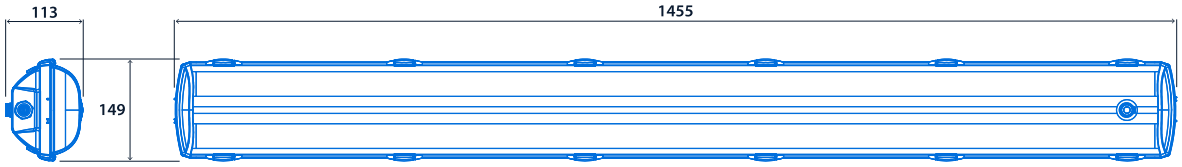
LED characteristics

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**
C-Tick (Aus)	**Yes**		

Dimensions

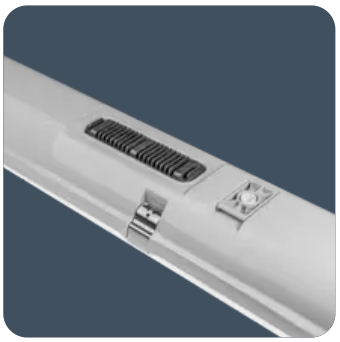


Range

LED power	Emergency system (optional)	CAT. No.	Lighting control system	Through wiring (optional)
64 W	**W**	**TP21320**	**SS**	**TW**
89 W	**W**	**TP21321**	**SS**	**TW**

Emergency system - prefix catalogue number with **W** SmartScan Emergency
Lighting control system - suffix catalogue number with **SS** SmartScan Internal
Factory fitted 4-core through wiring - suffix catalogue number with **TW** Through wiring
E.g. **WTP21320SSTW** = 64 W / SmartScan Emergency / SmartScan Internal / Through wiring





Integral heatsink and stainless steel cover clips



SmartScan sensor and through wiring

Click or scan here
View Thoroproof 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.