Thoroproof

Corrosion-resistant IP66 polycarbonate luminaires



Proven in demanding applications across many industries, Thoroproof is a highly efficient corrosion- and impact-resistant linear luminaire.

Thoroproof features an injection-moulded polycarbonate body and cover, both of which are fire-retardant. It is a durable luminaire for tough environments, rated IP66 ingress protection and IK08 impact resistance. Thoroproof is designed to deliver a long 100,000-hour life over an ambient temperature range of -20°C to +45°C. SmartScan and integral emergency versions are available.

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

- Smooth easy-clean lines
- TM66 score of 2.6 - LIA/CIBSE certification scheme TSD-012 verified
- Secure and easy to operate cover clips (stainless steel option sold separately)
- Fast installation via-external stainless steel brackets maintains IP rating
- Factory fitted through wiring option available
- Suitable for external applications but recommended to be mounted under a canopy and not exposed to direct sunlight
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Complies with M.O.D. DSA 03.OME Part 2, Chapter 8 for ‘Category C’ areas (formerly JSP482)

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

IP66 **IK08** **Up to 167.9 LL/CW** SMARTSCAN LUXGUARD **TM66 circularity score 2.6**

Specification

Mounting	**Surface**	IP rating	**IP66**
Impact rating	**IK08**	Nominal size	**600 mm** **1200 mm** **1500 mm**

Sustainability

TM66 circularity score	**2.6**

Lighting

Optic	**Opal cover**	Lumen output	**1,880 lm - 9,255 lm**
Efficacy	**Up to 167.9 LL/CW**		

Emergency data

Emergency lumen output	**330 lm - 735 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Power

LED power	**10 W - 49 W**	Circuit power	**14 W - 56 W**

Construction

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

LED characteristics

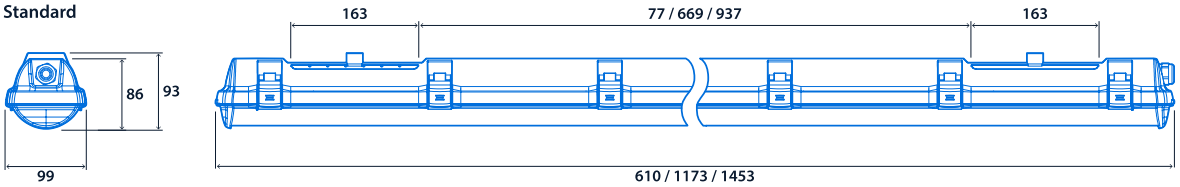
CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L80/B10**	LED protection	**LUX Guard**
Driver efficiency	**>84%**	Replaceable light source	**Yes**
Power factor	**>0.95**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

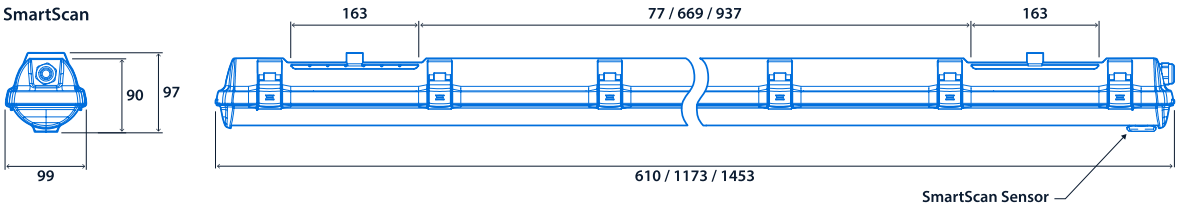
UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class A**		

Dimensions

Standard



SmartScan



Thoroproof

Range

Emergency system (optional)	Product	LED power	Nominal size	Lighting control system	Through wiring (optional)
W SmartScan Emergency*	**TP** Thoroproof	**010** 10 W	**S** 600 mm	**S** SmartScan Internal	**TW** Through wiring***
D DALI / Self-Test Emergency**		**016** 16 W		**A** Dimming (DALI)	
E Standard Emergency**		**023** 23 W	**M** 1200 mm	**L** Non-dimming	
		035 35 W			
		024 24 W	**L** 1500 mm		
		034 34 W			
		049 49 W			

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

E.g. **WTP023MSTW** = SmartScan Emergency / Thoroproof / 23 W / 1200 mm / SmartScan Internal / Through wiring

Accessories

Product code	Description	Weight
TP20807	Stainless steel cover clip - 12 required for 1200 mm / 14 required for 1500 mm	0.01 kg


Non-dimming / DALI version

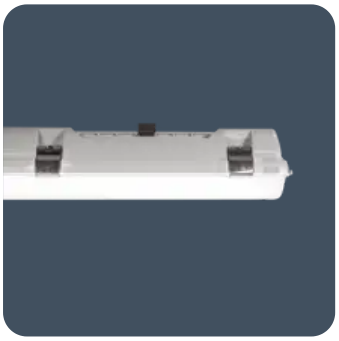

SmartScan version with through wiring


Through wiring option


Gear tray hook for easy installation


Pair of adjustable stainless steel brackets supplied


Pair of steel spring loops supplied


Optional stainless steel cover clips

Click or scan here

View Thoroproof 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.