Thoroseal LED Type 'n'

Hazardous area LED high-bay luminaires

The Thoroseal LED Type 'n' is an IP65-sealed LED high-bay luminaire with a strong, die-cast aluminium body.

This luminaire is suitable for use in areas classified as low impact risk, with a sealed, clear, flat, toughened/safety glass cover for suspended or surface-mount applications. Thoroseal LED Type 'n' is rated IP65 and suitable for temperatures ranging from -20°C to +40°C.

Applications: Zone 2 & 22 areas.

- Suitable for use in areas classified as low impact risk
- Broad and narrow distribution
- Suitable for ambient temperatures of -20°C to +40°C



IP65 **156.3 LL/CW**

Specification

Mounting	**Surface** **Suspended**	IP rating	**IP65**

Lighting

Optic	**Clear cover**	Distribution	**Broad** **Narrow**
Lumen output	**15,000 lm - 30,000 lm**	Efficacy	**156.3 LL/CW**

Power

LED power	**88 W - 176 W**	Circuit power	**96 W - 192 W**

Construction

Housing	**Die-cast aluminium body**	Finish	**Full polyester powder coat**
Body colour	**Light Grey**	Optical assembly	**Toughened safety glass cover(s)**

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LED characteristics

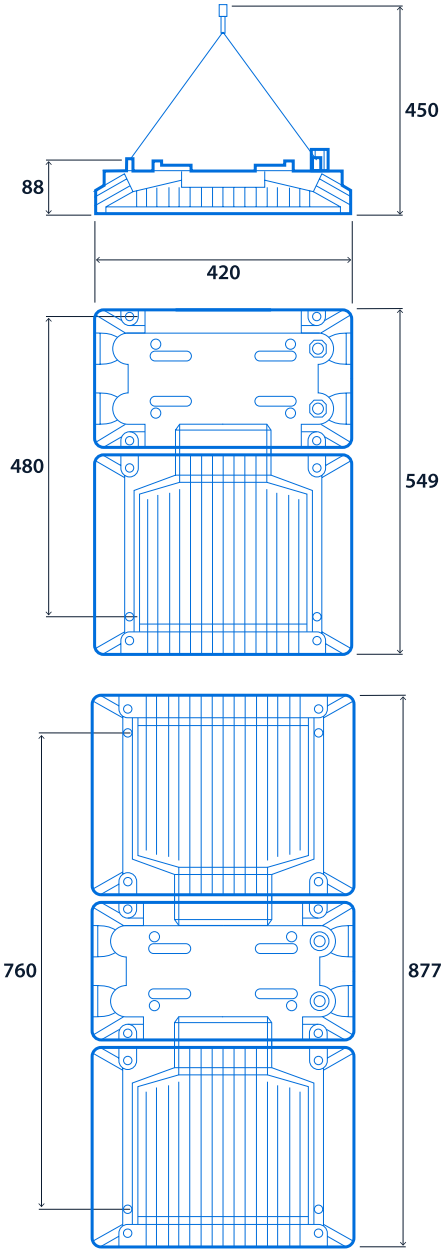
CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L70/B10**	LED protection	**-**
Driver efficiency	**>90%**	Power factor	**>0.9**
MacAdam ellipse	**3 Step**	Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**

Compliance

UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class C**	Hazardous compliance	**II 3 D Ex tc IIIC T100°C Dc II 3 G Ex nR IIC T4 Gc**
ATEX certified	**Yes**		

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Dimensions



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Range

Product version	LED power	Broad	Narrow	Lighting control system
Single wing	88 W	**TH20046**	**TH20048**	**L**
Twin wing	176 W	**TH20047**	**TH20049**	**L**

Lighting control system - suffix catalogue number with **L** Non-dimming

E.g. **TH20046L** = Single wing / 88 W / Broad / Non-dimming

Accessories

Product code	Description	Weight
TH16865	Surface mounting brackets - Two per kit	0.2 kg
TH16864	Wire suspension kit - Two per kit	0.9 kg



QR Code

Click or scan here

View Thoroseal LED Type 'n' variants using our online filtering tool



Information is correct as of 10 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.