Comboseal

High-performance LED low-bay luminaires



A high-efficiency, IP66, circular LED luminaire for high- and low-bay applications, Comboseal has been designed as a direct replacement for traditional single-point suspended discharge luminaires up to 250 W.

Available in 98 W and 137 W, with SmartScan versions using an integral PIR suitable for use up to 8 metres. The Thorlux-designed PCBs can produce over 22,000 lumens of white light, with colour rendition greater than 80 CRI.

Applications: cold stores, general industrial areas, manufacturing, food processing, leisure centres, retail and commercial areas.

- Strong high pressure die-cast aluminium body
- High impact UV stabilised polycarbonate cover rated IK10
- Smooth wipe clean surfaces, no dust traps
- Integral high efficiency driver
- Extremely efficient and long system life up to 100,000 hours
- Separate non-maintained emergency versions available
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit

IP66 IK10 SMARTSCAN LUXGUARD

Specification

Mounting	**Suspended**	IP rating	**IP66**
Impact rating	**IK10**	Max presence detection height	**8 m**

Lighting

Optic	**Clear cover**	Lumen output	**16,555 lm - 22,410 lm**

Emergency data

Emergency lumen output	**1,000 lm**	Emergency type	**Non-maintained**
Emergency duration	**3 hours**	Battery specification	**Nickel Metal Hydride (NiMH)**

Comboseal

Power

LED power	**8 W - 137 W**	Circuit power	**8 W - 147 W**

Construction

Housing	**Strong high pressure die-cast aluminium body**	Finish	**Full polyester powder coat**
Body colour	**Silver (RAL 9006)**	Optical assembly	**High impact UV stabilised polycarbonate cover**
Gasket	**Long life silicone gasket**	Cover fixings	**Stainless steel Pozidriv**

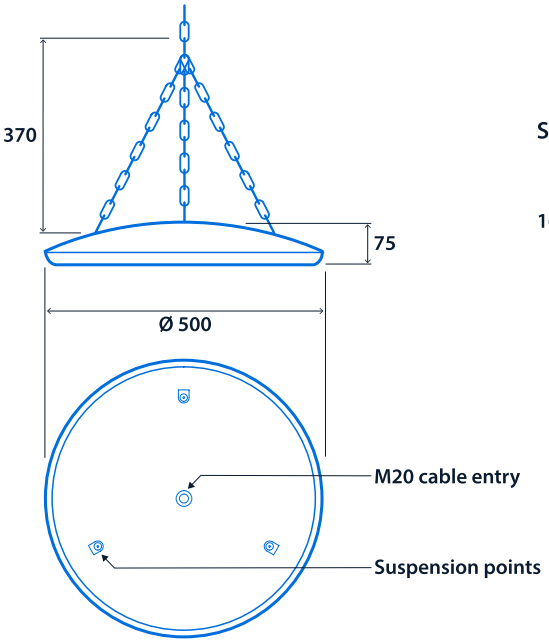
LED characteristics

CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L80/B10**	LED protection	**LUX Guard**
Driver efficiency	**>90%**	Replaceable light source	**Yes**
Power factor	**>0.9**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

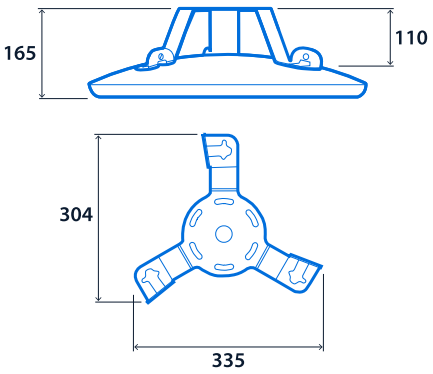
Compliance

UKCA	**Yes**	CE	**Yes**
D Mark	**Yes**	Energy efficiency class	**This product contains a light source of energy efficiency class B**

Dimensions



Surface mount bracket



Range

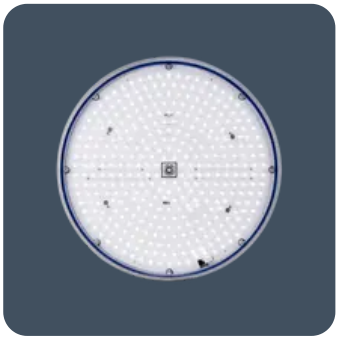
	LED power	Emergency system	CAT. No.	Lighting control system
SmartScan	98 W	-	**CS18477**	**SS**
	137 W	-	**CS18478**	**SS**
Standard	98 W	-	**CS18480**	**A / L**
	137 W	-	**CS18481**	**A / L**
Emergency	8 W	**W / T / E**	**CS18484**	-

Emergency system - prefix catalogue number with **W** SmartScan Emergency / **T** AutoTest Emergency / **E** Standard Emergency
Lighting control system - suffix catalogue number with **SS** SmartScan Internal / **A** Dimming (DALI) / **L** Non-dimming

E.g. **WCS18484** = 8 W / SmartScan Emergency

Accessories

Product code	Description	Weight
CS18486	Surface mount bracket	-



Click or scan here

View Comboseal 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.