SkyDome

Domed polycarbonate diffuser luminaires



The SkyDome is a highly efficient back-lit luminaire with a domed, polycarbonate diffuser for excellent wall, ceiling, and vertical illumination.

SkyDome is part of the SkyCore family, a range of luminaires designed with sustainability and circularity principles in mind. SkyCore luminaires use the Fast-Fix wiring enclosure and Thorlux-patented LUXGuard technology for faster installation and future flexibility.

The SkyCore family offers efficacies up to 146.9 luminaire lumens per circuit watt, minimising power consumption and environmental impact. SkyCore luminaires are designed to provide a long 100,000-hour life and are fully serviceable. Through its modular design, SkyCore luminaire components can be separated for servicing, upgrading, or repurposing.

Available in recessed, surface, and pendant mounting options.

Applications: classrooms, libraries, healthcare, break-out areas, canteens, circulation areas, and entrance lobbies.

- Shallow body depth of 59 mm, 94 mm including the gearbox
- TM66 score of 2.7 - LIA/CIBSE certification scheme TSD-012 verified
- Domed diffuser provide excellent wall, ceiling and vertical illumination
- Suitable for most ceiling types with optional side arm suspensions and plasterboard mounting kits
- Designed to exclude dust, dirt and flies. All control gear is outside the LED enclosure
- Rapid installation using Fast-Fix wiring enclosure or SmartScan plug and play TEE connectors
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit

Up to IP40 (IP20 above ceiling) **Up to IK09** **Up to 150.6 LL/CW** SMARTSCAN LUXGUARD **TM66 circularity score 2.7**

Specification

Mounting	**Recessed** **Surface** **Suspended**	IP rating	**Up to IP40 (IP20 above ceiling)**
Impact rating	**Up to IK09**	Nominal size	**600 x 600 mm**
Max presence detection height	**8 m**		

Sustainability

TM66 circularity score	**2.7**

Lighting

Optic	**Opal diffuser**	Lumen output	**2,710 lm - 5,315 lm**
Efficacy	**Up to 150.6 LL/CW**		

Emergency data

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

Power

LED power	**15 W - 33 W**	Circuit power	**18 W - 37 W**

Construction

Housing	**Zinc coated steel body**	Finish	**Full polyester powder coat**
Body colour	**White (RAL 9016)**	Optical assembly	**Polycarbonate TP(a) fire-retardant domed diffuser**

LED characteristics

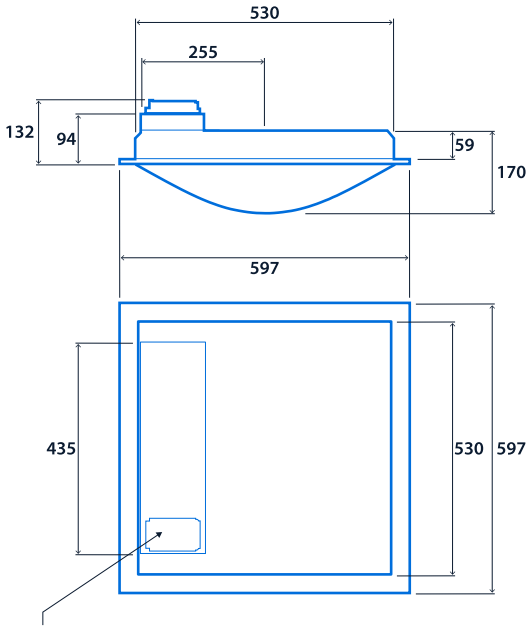
CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L90/B10**	LED protection	**LUX Guard**
Driver efficiency	**>87%**	Replaceable light source	**Yes**
Power factor	**>0.95**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class B**	Thermoplastic rating	**TP(a)**

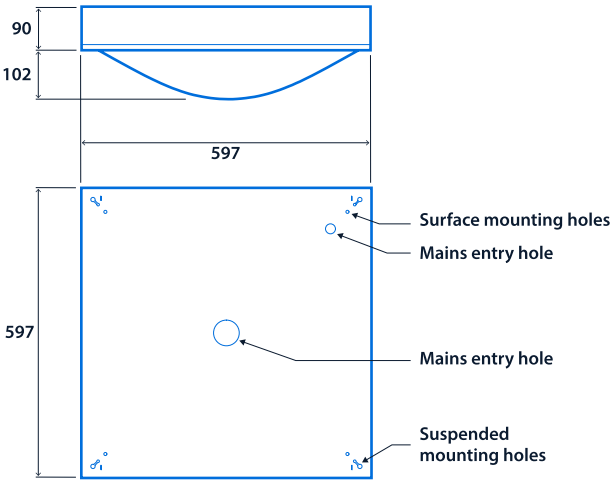
Dimensions

Recessed version



3-pole TEE (SmartScan versions)
Fast-Fix wiring enclosure (Non-dimming and DALI versions)

Surface/Suspended version



Range

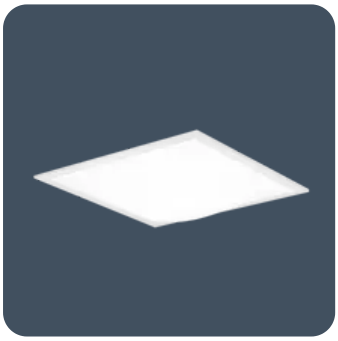
Emergency system (optional)	Product	LED power	Mounting	Nominal size	Lighting control system
W SmartScan Emergency*	**SD** SkyDome IP40	**15** 15 W	**R** Recessed	**M** 600 x 600 mm	**S** SmartScan Internal
D DALI/Self-Test**		**23** 23 W	**S** Surface		**A** Dimming (DALI)
E Standard Emergency**		**29** 29 W	**P** Pendant		**L** Non-dimming
		33 33 W			

* **Only** available with **S** / **L** control type ** **Only** available with **A** / **L** control type

E.g. **WSD15RMS** = SmartScan Emergency / SkyDome IP40 / 15 W / Recessed / 600 x 600 mm / SmartScan Internal

Accessories

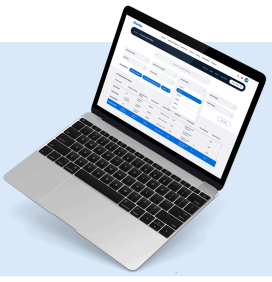
Product code	Description	Weight
IK20277	Side arm suspension kit - 4 arms per kit - Not required for lay-in mounting	-
RAD16877	Recessing frame kit for plasterboard ceiling - 600 x 600	3.7 kg






Click or scan here

View SkyDome 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.