PSL 65

IP65-sealed, low-depth LED canopy luminaires

Thorlux continues to serve the requirements of petrol station operators with PSL 65, a purpose-designed petrol forecourt luminaire.

With two mounting methods, wattages, and light distributions, PSL 65 offers an effective and flexible forecourt lighting solution. SmartScan versions are available with a sensor optimised for mounting heights of up to eight metres. This maintains excellent occupancy detection and removes the need for control cabling. The luminaire is rated IP65 against dust and water ingress.

Application: petrol station forecourts.

- Recessed or surface mounting options
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit



IP65 | Up to 140.1 LL/CW | SMARTSCAN | LUXGUARD

Specification

Mounting	**Recessed** **Surface**	IP rating	**IP65**
Max presence detection height	**8 m**		

Lighting

Optic	**Clear cover**	Distribution	**Asymmetric** **Broad**
Lumen output	**7,045 lm - 8,785 lm**	Efficacy	**Up to 140.1 LL/CW**

Power

LED power	**46 W - 60 W**	Circuit power	**51 W - 66 W**

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Construction

Housing	**Zinc coated steel body**	Finish	**Full polyester powder coat**
Body colour	**White**	Optical assembly	**2 mm polycarbonate cover and acrylic high efficiency LED lens**
Cover fixings	**Stainless steel Pozidriv**		

LED characteristics

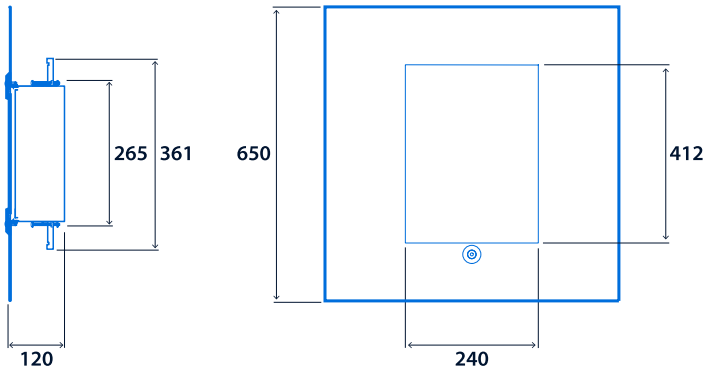
CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L70/B10**	LED protection	**LUX Guard**
Driver efficiency	**>91%**	Replaceable light source	**Yes**
Power factor	**>0.9**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

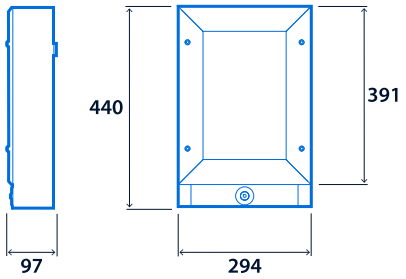
UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class B**		

Dimensions

Recessed



Surface



Minimum cut-out - 270 x 420
Maximum cut-out - 600 x 600

Range

Product version	LED power	Broad distribution	Asymmetric distribution	Lighting control system
Recessed	46 W	**PSL20312**	**PSL20314**	**SS / L**
	60 W	**PSL20313**	**PSL20315**	**SS / L**
Surface	46 W	**PSL20316**	**PSL20318**	**SS / L**
	60 W	**PSL20317**	**PSL20319**	**SS / L**

Lighting control system - suffix catalogue number with **SS** SmartScan Internal / **L** Non-dimming

E.g. **PSL20312SS** = Recessed / 46 W / Broad distribution / SmartScan Internal



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View PSL 65 variants using our online filtering tool



Information is correct as of 25 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.