Realta

High-performance, robust luminaires designed to minimise light pollution, disruption to ecosystems, and energy consumption



The Realta external amenity luminaire has earned its status as an iconic Thorlux product, with thousands installed worldwide.

Realta is a stylish, sleek IP66- and IK10-rated wall-mounted luminaire, comprising a high-pressure die-cast, powder-coated aluminium body and innovative one-piece polycarbonate lens and cover. Its zero upward-light emissions and high efficacy make this an environmentally friendlier, energy-efficient lighting choice for a wide range of applications.

Realta is quick and simple to install, providing uniform lighting for building perimeters and pathways. Its forward-throw optics are also ideal for general area lighting.

Applications: schools, hospitals, retail, and commercial environments.

- Strong high-pressure die-cast LM6 aluminium body
- Wide or area distribution options
- Innovative one-piece LED lens and cover system
- 2700 K and 4000 K LED options
- Extremely efficient and long system life up to 100,000 hours
- Zero upward light
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit

IP66 **IK10** **Up to 162.8 LL/CW** SMARTSCAN LUXGUARD **TM66 circularity score 2.8**

Specification

Mounting	**Surface**	IP rating	**IP66**
Impact rating	**IK10**	Max presence detection height	**8 m**
Anti-ligature compliance	**Anti-ligature when anti-pick mastic sealant is applied (not supplied by Thorlux)**		

Sustainability

TM66 circularity score	**2.8**

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Lighting

Distribution	**Area** **Wide**	Lumen output	**1,300 lm - 3,255 lm**
Efficacy	**Up to 162.8 LL/CW**	External upward light	**Zero upward light**

Emergency data

Emergency lumen output	**535 lm - 695 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Power

LED power	**9 W - 18 W**	Circuit power	**10 W - 20 W**

Construction

Housing	**Strong high pressure die-cast LM6 aluminium body**	Finish	**Full polyester powder coat**
Body colour	**Graphite**	Optical assembly	**One-piece polycarbonate lens and cover**
Gasket	**Long life silicone gasket**	Cover fixings	**Stainless steel T25 pin Torx**

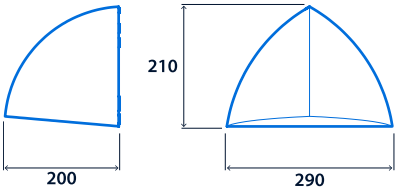
LED characteristics

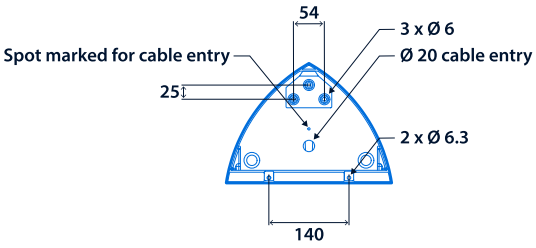
CRI	**80+**	Colour temperature	**2700 K** **4000 K**
Rated life (hours)	**100 K - L90/B10**	LED protection	**LUX Guard**
Driver efficiency	**>84%**	Replaceable light source	**Yes**
Power factor	**>0.95**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

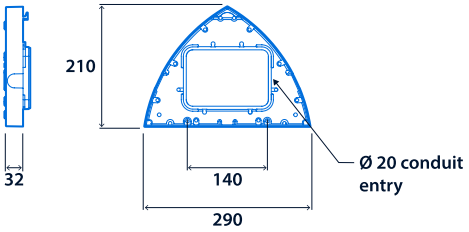
UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class A**		

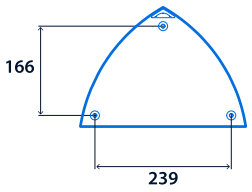
Dimensions





Conduit mount surface box:





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Range

Emergency system (optional)	Product	LED power	Optic	Colour temperature	Lighting control system
W SmartScan Emergency*	**RL** Realta	**09** 09 W	**W** Wide	**27** 2700 K	**S** SmartScan External
D DALI / Self-Test Emergency**		**18** 18 W	**A** Area	**40** 4000 K	**P** Photocell
E Standard Emergency**					**L** Non-dimming

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

E.g. **WRL09W27S** = SmartScan Emergency / Realta / 09 W / Wide / 2700 K / SmartScan External

Accessories

Product code	Description	Weight
RL20770	Conduit entry back-box	0.79 kg
KEY16976	T25 pin Torx bit - Suitable for magnetic bit holder	-



Area version



Wide distribution with SmartScan version









One-piece LED module



Click or scan here

View Realta 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.