

THORN
LIGHTING



ISARO PRO

Built to last

BUILT TO LAST

This robust and high-performance LED lantern brings comfort and safety to any road or street. Pressure to reduce energy costs and carbon emissions for outdoor lighting is stronger than ever. High-quality LED street lanterns offer a great solution, thanks to clever design, highly efficient light sources, long life and smart controls.



Motorways,
high speed roads,
major roads



Minor roads and
residential roads



Intersections



Parking



DARKSKY ACCREDITATION

'DarkSky' is recognised as the global authority on light pollution and is the leading organisation combating this issue worldwide.

The DarkSky Approved seal is a highly regarded accreditation for manufacturers. The process to achieve this accreditation reviews key features and benefits of a luminaire, its fundamental design and deep dive analysis of photometric data to ensure the product meets strict requirements to limit light pollution.



ISARO PRO



READY TO CONNECT

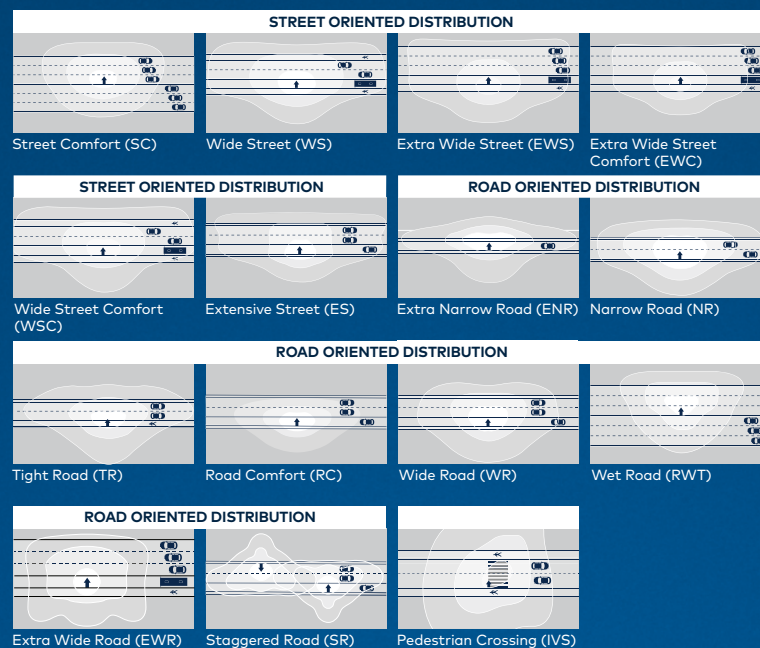
Both sizes can be configured with a NEMA or Zhaga interface, Zhaga-D4i certified.



SMART LIGHTING

Isaro Pro incorporates many control solutions such as UrbaSens, our state-of-the-art intelligent outdoor lighting system: save energy, provide light only when and where it is required and control the whole system from a simple dashboard. Combine it with our expert service team, and you'll get revolutionary lighting without the risk.

BEST IN CLASS ROAD AND STREET OPTICS



CONTRACTOR FRIENDLY

Isaro Pro is designed to make life easy for contractors. With internal components easily accessed from above without the need for tools, maintenance couldn't be simpler. It is available pre-wired and offers an optional automatic disconnect function for safer maintenance.



R-PEC OPTIC

Isaro Pro features the best in class optical performance of the R-PEC optic. R-PEC offers several precision light distributions, achieving wide column spacing, excellent uniformity plus no waste or obtrusive light.



TILTING TECHNOLOGY

Very versatile installation thanks to our tilting technology where using the same spigot you can achieve lateral ($-15^{\circ}/+15^{\circ}$) and top ($0^{\circ}/+20^{\circ}$) mounting with a wide choice of angles, by steps of 5° .



A FUTURE PROOF SOLUTION

Made of top-quality alloy, Isaro Pro is built to withstand all conditions, and to cope with physical impact and vibration. With a lifetime up to 100,000 hours, it guarantees years of reliable performance, ensuring a low-cost of ownership. And with connectivity built in, it's a truly futureproof solution. As well as being robust, this modern lantern is slim, sleek and performs brilliantly. With light output of up to 28,000 lm with 2 sizes, Isaro Pro is powerful

enough to handle roads and streets, residential areas, car parks and walking/cycling paths. Because every application is different, Isaro Pro uses Thorn's unique R-PEC optic to offer unprecedented optical flexibility. A choice of several precise light distributions is available for highly efficient and comfortable light, exactly where it is needed, whether lighting a residential street, a busy road or a pedestrian crossing.



APPLICATION AREAS



ROADS



CAR PARKS



RESIDENTIAL AREAS



WALKING/CYCLING PATHS



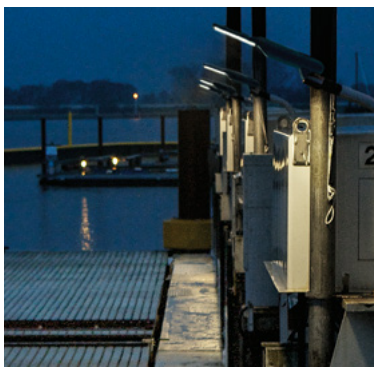
IP66

IK09



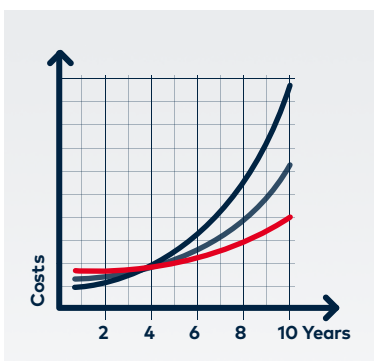
BUILT TO LAST

Isaro Pro is built to withstand almost everything that nature and the outdoor environment can throw at it. With an IP66 rating for ingress protection and IK09 for impact, the luminaire also has strong corrosion resistance and vibration resistance. There are few applications Isaro Pro can't handle.



CORROSION RESISTANT

Thanks to the best in class alloy and the specific fixing system treatment, Isaro Pro has strong corrosion resistance and easily reaches Category 5 (C5 – very high corrosivity) according to ISO 9223 – Corrosion of metal and alloys.



GREAT ROI POTENTIAL

Isaro Pro's long life (up to 100,000 h) and efficacy of up to 170 lm/W in addition to a wide choice of controls (radio frequency, daylight sensor and others) mean that overall cost of ownership is low, ensuring a quick ROI (Return of Investment) but also allowing operators to make significant long-term savings. The ability to easily add or replace internal components including the driver, LEDs and controls, means the luminaire is truly futureproof.

- Existing 70 W SON HID
- ISARO PRO 12LED WS
- ISARO PRO 12LED WS + Light management

ISARO PRO CONFIGURATION GUIDE

thornlighting.com/ISRP

IP	12L	70	740	NR	CLO	BP2350	HFX	SP	CL1	N7	T60F	W6	R9006
Range	LED	mA	CCT/CRI	Optic	CLO	Diming	DALI	Fuse	Safety	Controls	Spigot	Wiring	Colour
													optional RALxxx Different RAL possibility
												optional XX m Several wire lengths from 3 to 16 m and different cable types	
											L42E L60E T60F T76F M42 M60 M76	optional Pre-fitted 42 mm spigot lateral 0° Pre-fitted 60 mm spigot lateral 0° Pre-fitted 60 mm spigot post top +5° Pre-fitted 76 mm spigot post top +5° 42 mm spigot non-fitted for freedom of position 60 mm spigot non-fitted for freedom of position 76 mm spigot non-fitted for freedom of position	
										N3 N7 ZU/ZD/ZUD PM	optional Integral NEMA photocell socket – 3 pin Integral NEMA photocell socket – 7 pin Zhaga Socket Up, Down, Up & Down Integral Mini photocell		
									CL1 CL2	Class I electrical (earthed) Class II electrical (double insulated)			
								optional SP		10 kV multi pulse surge protection			
							optional HFX			DALI Dimmable			
							optional BPL LRT BSxyzz BPxyzz			Bi Power Power Line Light Reduction Twin Phases Bi-Power switchable with different dimming profiles Bi-Power with different dimming profiles			
					optional CLO					Constant Light Output			
					R-PEC					All R-PEC optics available			
			722							CRI 70 – 2200 K			
			727							CRI 70 – 2700 K			
			730							CRI 70 – 3000 K			
			740							CRI 70 – 4000 K			
			757							CRI 70 – 5700 K			
			830							CRI 80 – 3000 K			
			840							CRI 80 – 4000 K			
	ALO 35 to 105									Adjustable lumen output			
										350 mA to 1050 mA			
	12L to 72L									From 12 LEDs to 72 LEDs			
IP	Isaro Pro												

*DarkSky Approved fixture seal of approval relates to ≤ 3000 K only, clear enclosures, +/- 10° maximum tilt only. Luminaires must be mounted as photometered.



10 kV as standard
Up to 28,000 lm
Up to 170 lm/W
Up to 100,000 h L98 B10 ≤ 700 mA @ Ta 25 °C
Up to 100,000 h L95 B10 > 700 mA @ Ta 25 °C

IK09 IP66 -40°C* 50°C*

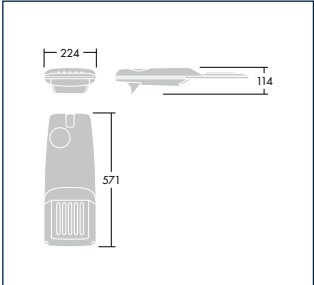
*Availability of extreme high and low operating temperatures varies by lumen output

Accessories
IK10 accessory
Back, front and side louvres

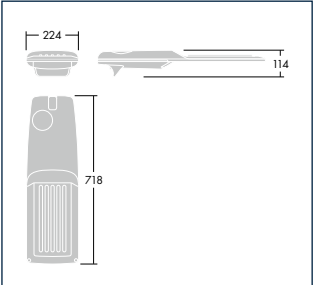
Material
Full die cast aluminium and flat glass

Standards
CCC CE UK CA ENE
ZDI EPD®

Configure the ideal product solution with myProduct. The myProduct configurator allows you to easily configure a luminaire according to your needs. Try it now at www.thornlighting.com/myproduct



ISARO PRO S



ISARO PRO M



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries. thornlighting.com/guarantee

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WE
MAKE
LIGHT
WORK