

Bringing durable,
stylish and eco-friendly
lighting to the places
that need it most



KEY ADVANTAGES

- > **Sleek and elegant design**
- > **High-performance vertical solar panels for optimum energy capture**
- > **Designed to prevent snow accumulation and maximise energy efficiency**
- > **Engineered for easy on-site installation**
- > **In-ground sealed battery for optimum performance and longevity**
- > **Symmetric and asymmetric light distribution options**
- > **Optional sensors for light-on-demand scenarios**

A self-sufficient solar-powered LED streetlight, VALARA's sleek, timeless design is suited to illuminating modern urban spaces, parks and pathways. It thrives in areas where traditional electricity is inaccessible, making it ideal for remote locations, heritage sites and promenades.

Built to withstand harsh weather conditions, VALARA's cubic design incorporates four high performance photovoltaic modules that capture energy even in foggy or snowy conditions. Its advanced energy management system ensures consistent, reliable lighting over repeated nights, regardless of the weather.

VALARA is more than just functional - it is a symbol of commitment to sustainability and elegant design. Whether lighting a quiet side street, a bustling park or a cycle path, it combines high efficiency with minimal environmental impact, providing both sophistication and peace of mind. With VALARA, every route leads to a greener, brighter future, powered by the sun.



HIGHLIGHTS



Elegant square design, premium finish and a seamless, cable-free aesthetic.



The IPX8 LiFePo4 battery offers superior water resistance and reliable performance.



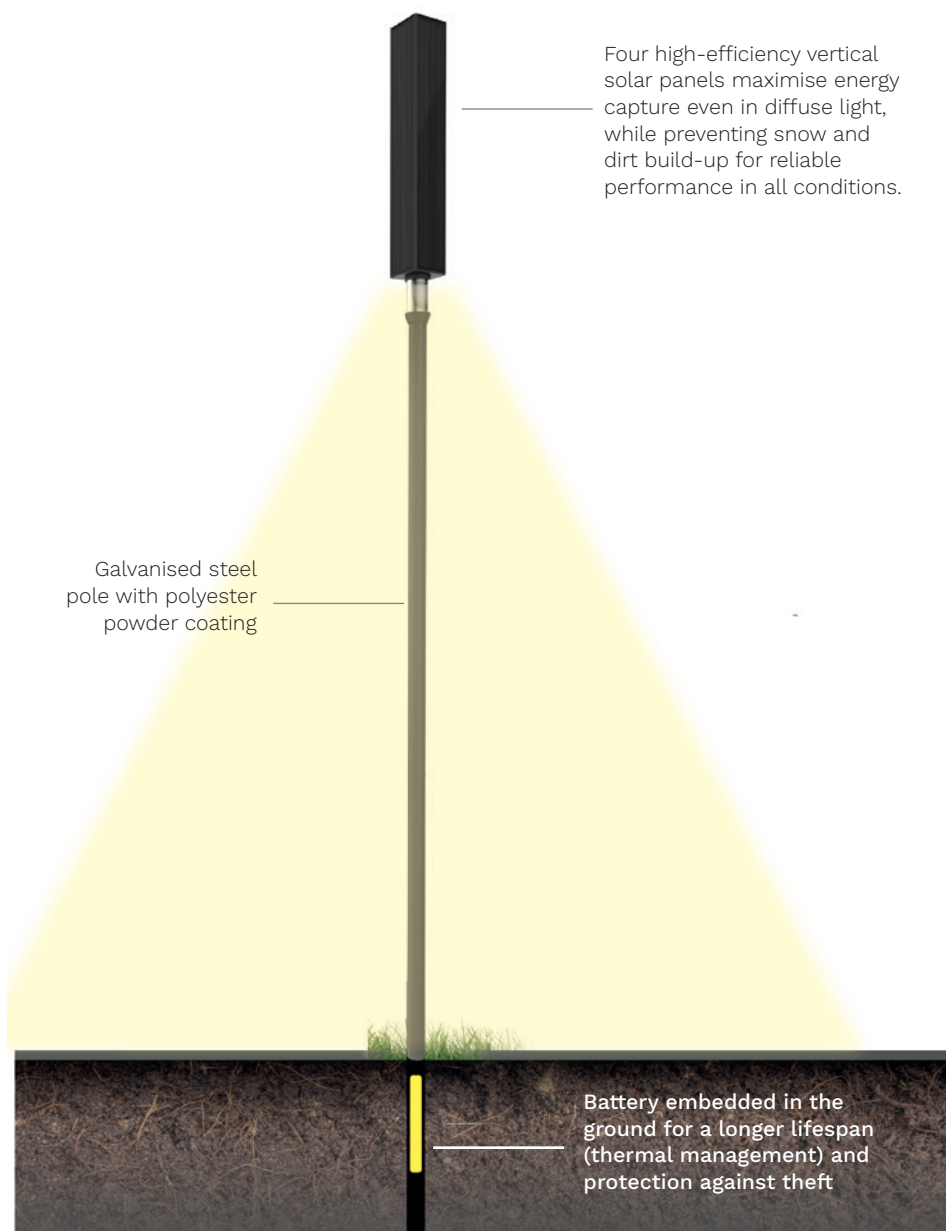
Available for symmetric lighting...



...or asymmetric lighting.



Toolless coded connectors for all connections.

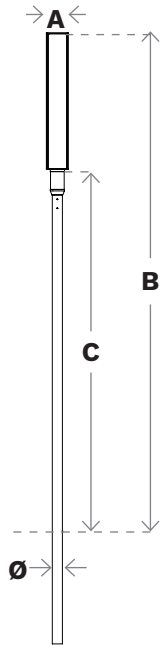


RANGE



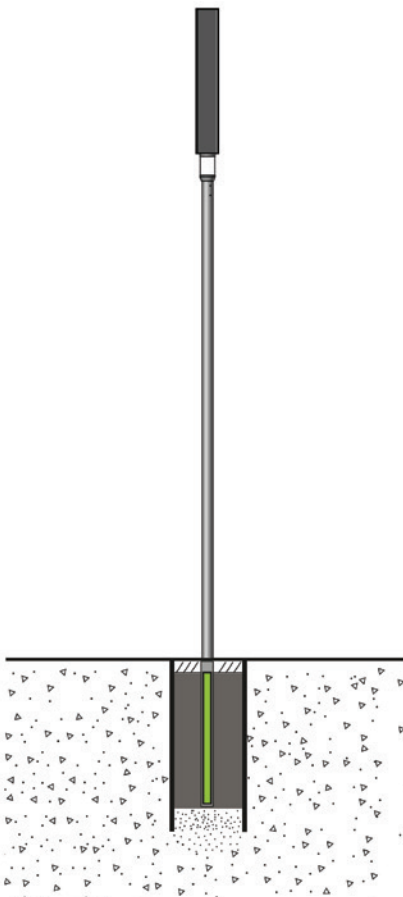
PRODUCT	POLE HEIGHT	ENERGY HARVESTING	ENERGY STORAGE	LUMINAIRE
VALARA 150	4440mm 14.5ft	160Wp photovoltaic panel	LiFePo4 battery 512Wh	12 LED

DIMENSIONS AND MOUNTING

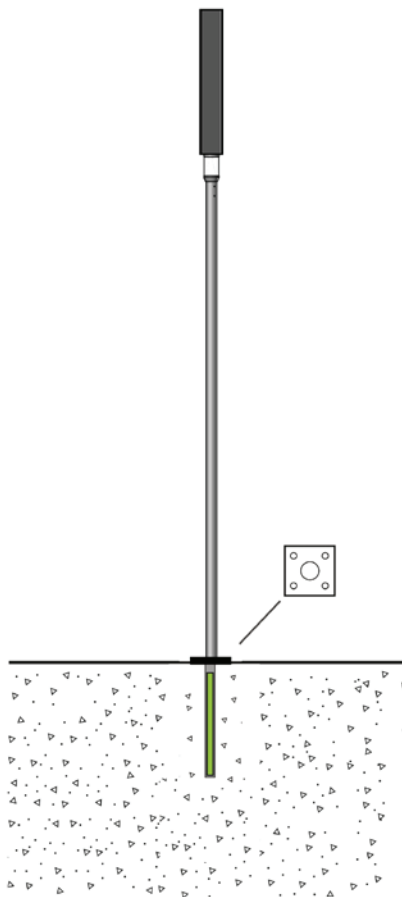


	A (mm inch)	B (mm ft)	C (mm ft)	Ø (mm inch)
VALARA	195 7.7	4440 14.5	3228 10.6	89 3.5

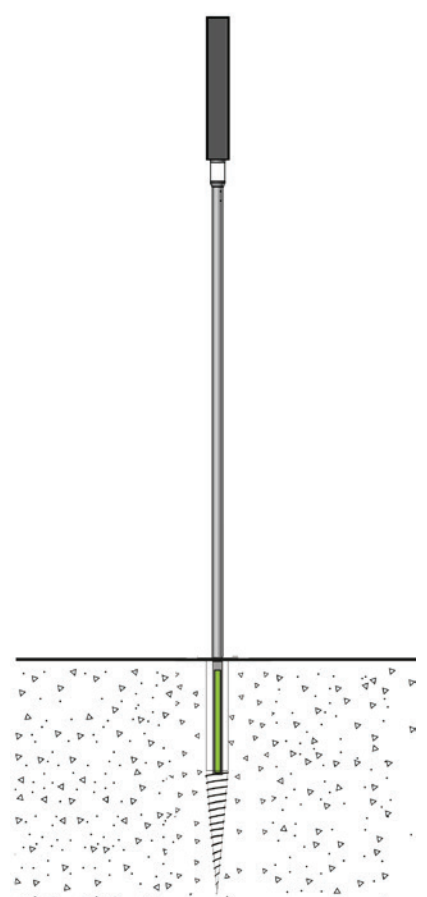
PIPE FOUNDATION



ANCHOR BASE



GROUND SCREW FOUNDATION



CHARACTERISTICS

GENERAL

CE Mark	Yes
Electrical class	Class III EU

MATERIALS

Pole	Galvanised steel
Metal parts	Aluminium
Finish	Polyester powder coating
Standard colour	RAL 7016M anthracite grey*
Impact resistance	IK 06

*any other RAL colour upon request

SOLAR PANELS

Technology	Monocrystalline silicon cells
Solar cells quantity	32 cells
Frame	Anodised aluminium alloy
Glass	3.2mm (0.13 in) tempered glass
Power	40Wp (x4)
Electrical characteristics	VOC: 21.9V
	VMPP: 18.5V
	ISC: 2.16A
	IMPP: 2.16A
Lifetime expectancy	25 years

BATTERY

Technology	LiFePo4
Voltage	12.8V
Capacity	512Wh (40Ah)
Operating temperature	-10°C to 60°C 14°F to 140°F
Autonomy	3 to 5 days
Tightness level	IPX8
Lifetime expectancy	>10 years

LED MODULE

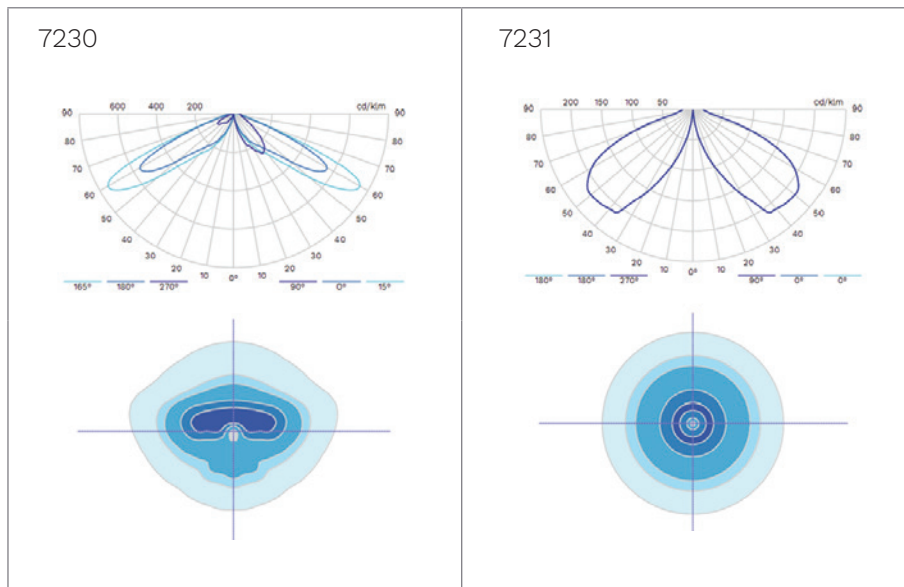
LED colour temperature	3000K (Warm White 730)
Colour rendering index (CRI)	>70
Upward Light Output Ratio (ULOR)	<6%
Lifetime of the LEDs @ Tq 25°C	100,000h - L95

PERFORMANCE

	Luminaire output flux (lm) Warm White 730		Power consumption (W)		Luminaire efficacy (lm/W)	
	Number of LEDs	Min	Max	Min	Max	
VALARA 150	12	500	4000	3	34	Up to 167

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

LIGHT DISTRIBUTIONS

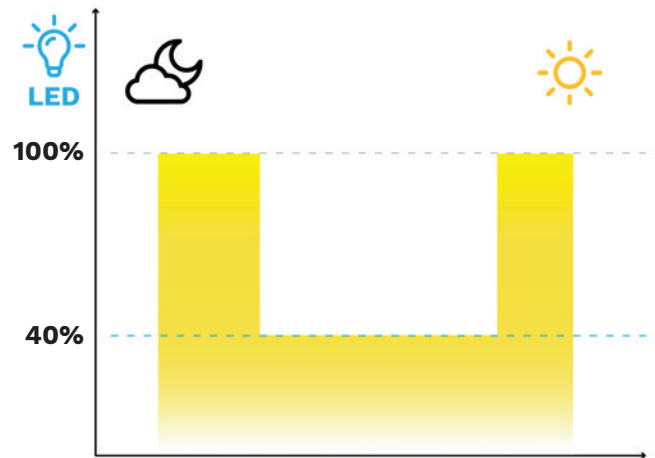


STANDARD DIMMING PROFILES*

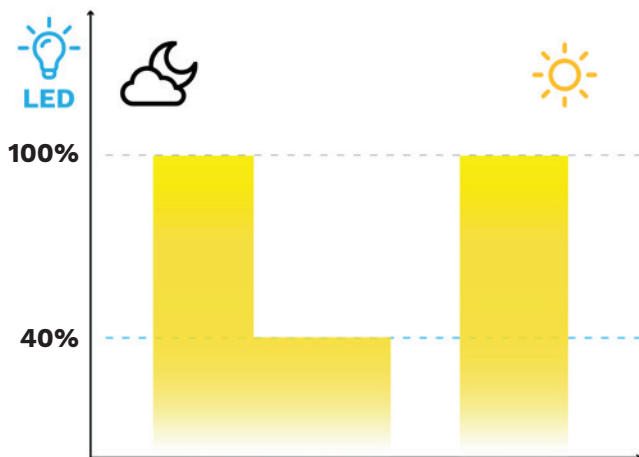
V3: all night 100%



V4: night dimming to 40%



V5: partial switch OFF



*Customised dimming profiles are available as an option.