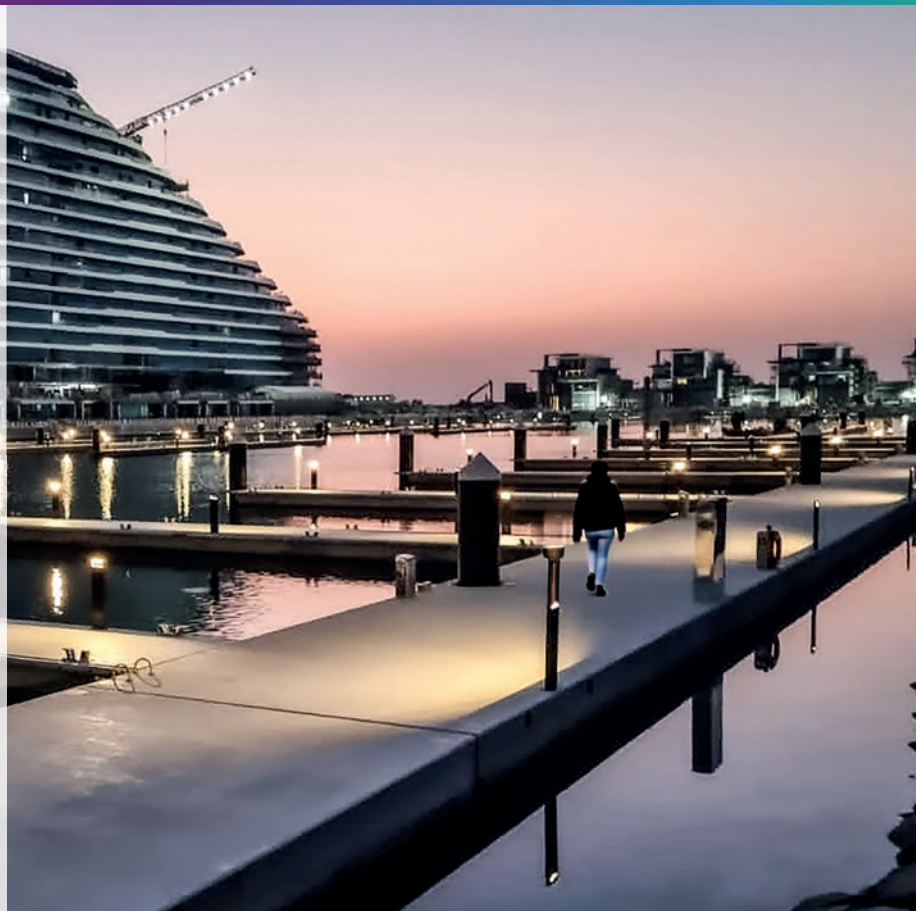


The autonomous solar bollard for modern outdoor spaces



KEY ADVANTAGES

- > **Contemporary, streamlined design that blends effortlessly into a variety of environments**
- > **Vertical solar panels that maximise energy capture and prevent performance degradation due to snow or foliage**
- > **Reliable operation with advanced power management for consistent lighting regardless of conditions**
- > **Durable construction using high quality materials to ensure longevity and resistance to harsh weather conditions**
- > **Hassle-free installation with compact and modular design for easy deployment**
- > **Versatile applications, ideal for pavements, pedestrian zones, parks and perimeter areas**

FLAMINIA is a self-contained solar-powered bollard that combines functionality with contemporary design to illuminate pavements, pedestrian areas and spaces around buildings. Its sleek and modern form blends seamlessly into any environment, providing a practical and visually appealing lighting solution.

Designed to perform in a variety of conditions, FLAMINIA features vertically aligned solar panels that ensure optimal energy absorption even in challenging weather or shaded areas. This thoughtful design prevents obstructions such as snow or foliage from affecting performance. With a built-in high-capacity battery and an advanced energy management system, FLAMINIA guarantees reliable lighting throughout the night.

FLAMINIA transforms outdoor spaces by providing a sustainable, self-sufficient lighting solution that enhances safety and aesthetics while minimising environmental impact. Whether illuminating a peaceful walkway or a busy pedestrian area, FLAMINIA delivers reliable performance with a refined design.



HIGHLIGHTS



The FLAMINIA bollard has a contemporary, streamlined design.




High quality finish with perfect integration of vertical photovoltaic panels.

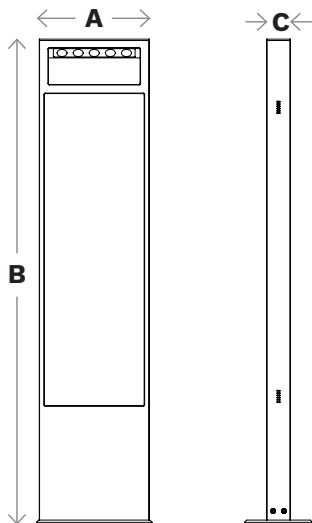


Toolless coded connectors for easy installation and commissioning.

RANGE

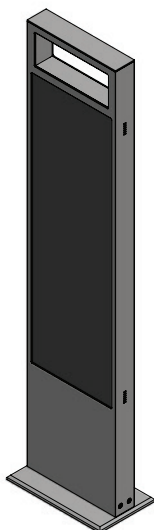
	PRODUCT	POLE HEIGHT	ENERGY HARVESTING	ENERGY STORAGE	LUMINAIRE
	FLAMINIA 55	1070mm 3.5ft	2x 28W photovoltaic modules	LiFePo4 battery 230Wh	1x 5-LED module

DIMENSIONS AND MOUNTING

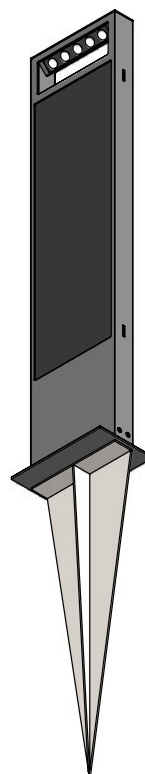


	A (mm inch)	B (mm inch)	C (mm ft)
FLAMINIA 55	242 9.5	1070 42	52 2

ANCHOR BASE



MOUNTING WEDGE



CHARACTERISTICS

GENERAL

CE Mark	Yes
Electrical class	Class III EU

MATERIALS

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

SOLAR MODULES

Technology	Monocrystalline silicon cells (44 cells per module)
Frame	Anodised aluminium alloy
Glass	3.2mm (0.13 in) tempered glass
Power	28Wp (x2)
Electrical characteristics	VOC: 29.2V
	VMPP: 25V
	ISC: 1.34A
	IMPP: 1.12A
Lifetime expectancy	25 years

BATTERY

Technology	LiFePo4
Voltage	12.8V
Capacity	230Wh (18Ah)
Operating temperature	-20°C to 60°C -4°F to 140°F
Autonomy	3 to 5 days
Tightness level	IPX8
Lifetime expectancy	>10 years

LED MODULE

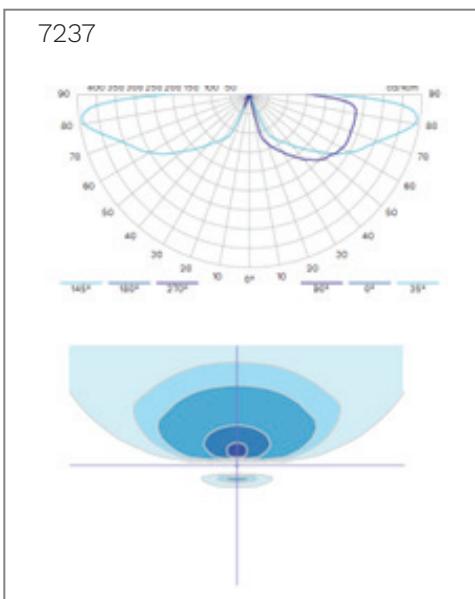
Optic/protector	PMMA/PC integrated
Tightness level	IP 67
LED colour temperature	3000K (Warm White 730)
Colour rendering index (CRI)	>70
Lifetime of the LEDs @ Tq 25°C	100,000h - L80

PERFORMANCE

	Number of LEDs	Luminaire output flux (lm) Warm White 730		Power consumption (W)		Luminaire efficacy (lm/W)
		Min	Max	Min	Max	Up to
FLAMINIA 55	5	700	2300	6	22	127

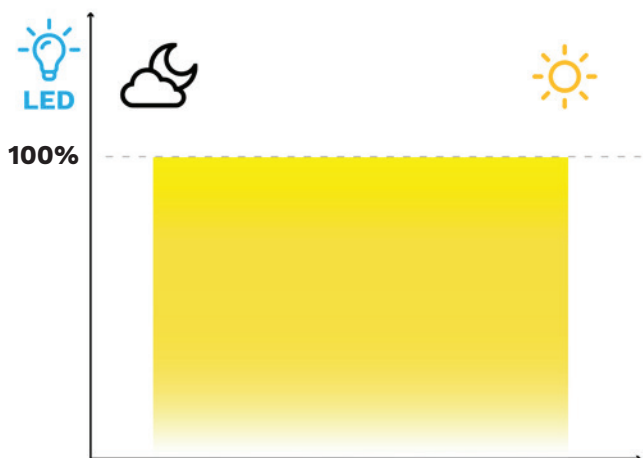
Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

LIGHT DISTRIBUTION

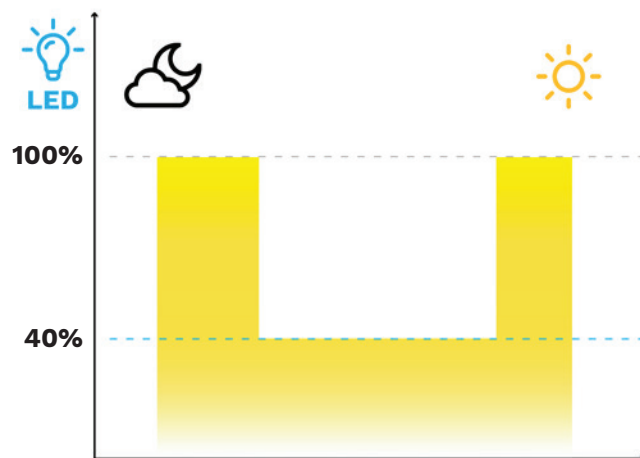


STANDARD DIMMING PROFILES*

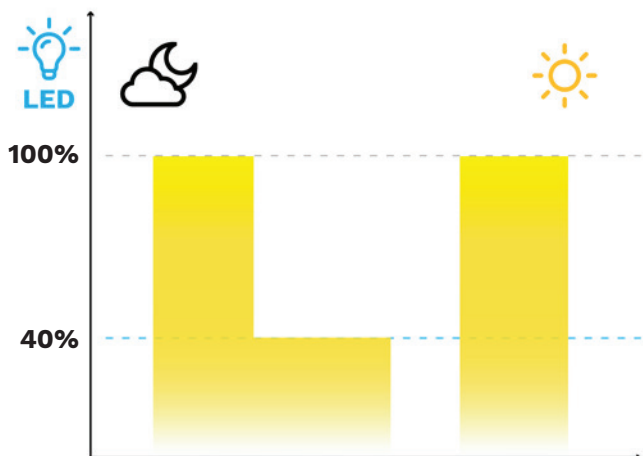
V3: all night 100%



V4: night dimming to 40%



V5: partial switch OFF



*Customised dimming profiles are available as an option.