



FONROCHE
lighting AMERICA

Autonomous Solar
Bollard

Oko



Refined Wooden Design Inspired By Nature

The OKO BOLLARD embodies the perfect balance between natural aesthetics, high-performance, and environmental responsibility. Designed for soft, long-lasting lighting, they feature a solid IROKO wood body sourced from sustainably managed forests, are naturally rot-resistant, and highly durable in outdoor conditions.



No Cost

No Trenching Cost,
Zero Electric Bills, Zero
Maintenance for 10 Years



365

Nights of lighting
per year guaranteed



5 Years

Parts & Labor Warranty
Including Energy Box
with No Pro Rating



PHOTOVOLTAIC MODULE

Photovoltaic Module	2
Nominal Power (WP)	52 Wp
Cell Technology	Monocrystalline
Cell Type	Sunpower Back Contact
Lifespan	> 25 years
PV Surface Area	136ft
Material and Finish	ETFE - Anti-Abrasion - Anti-Graffiti - Anti - Vandalism

BATTERY

Chemistry	LiFePO4 (Lithium Iron Phosphate)
Nominal voltage [V]	9.6 V
Capacity [Ah]	7.7 Ah
Energy [Wh]	76.8Wh
Charge Cycles	8000 cycles at 55% DOD
Waterproofing	Battery and board are waterproof and submersible
Lifetime	15 years

LUMINAIRE

Nominal Power & Luminous Efficacy	5 W - 170lm/W @ 3000k
Color temperature	Amber 2200K - 2700K - 3000K
Photometric Distribution	Type I - Ultra wide
CRI	>70
Luminaire Material	Solid machined and black anodized aluminum
Optical Material	Polycarbonate
Protection Rating (IP) - (IK)	IP66 - IK10
Dual Functionality	Lighting and RGB Marking
ULR	0

Lighting Profile

Lighting Profile	Adaptable throughout the night
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STRUCTURE

Dimensions (mm)	5.90 x 5.51 x 45.31
Frame Material	Iroko Wood Class III FSC
Base Plate Material	Galvanized Steel S235
Weight	35.27lbs.
Shock Resistance Index (IK)	IK10
Recommended Foundation Size (mm)	15.75 x 15.75 x 15.75
Anchor Rod Dimensions	M14
Base Plate Dimensions (mm)	9.05 x 9.05
Mounting Hole. Spacing (mm)	7.87

GENERAL

Minimum autonomy	365 nights a year
Functionality	Bluetooth
Fastness	Stainless Steel A2 - Tamper-proof
Presence Sensor	PIR (Infrared) - Optimal 180° detection

Project

Notes

Fixture Color
Iroko Wood

Color Temp

Optics Type
T1UW

Power Center
LiFePO4

Panel Tilt
90°

Lens Tilt
0°

