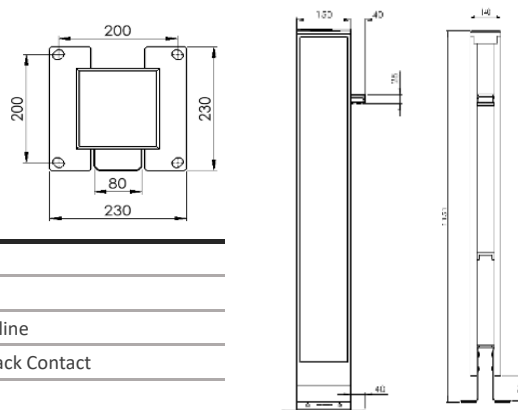


Bollard OKO 110+



PHOTOVOLTAIC MODULE

Photovoltaic Module	2
Nominal Power (Wp)	52 Wp
Cell Technology	Monocrystalline
Cell Type	Sunpower Back Contact
Lifespan	> 25 years
PV Surface Area	1267 cm ² per panel
Material and Finish	ETFE – Anti-Abrasion – Anti-Graffiti – Anti-Vandalism

BATTERY

Chemistry	LiFePO4 (Lithium Iron Phosphate)
Nominal Voltage	9.6 V
Capacity	7.7 Ah
Energy	76.8 Wh
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 – 170 lm/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)	150 x 140 x 1151 mm
Frame Material	Iroko Wood Class III FSC
Base Plate Material	Galvanized Steel S235
Weight	16 kg
Shock Resistance Index (IK)	IK10
Recommended Foundation Size (mm)	400 x 400 x 400 mm
Anchor Rod Dimensions	M14
Base Plate Dimensions (mm)	230 x 230 mm
Mounting Hole Spacing (mm)	200 mm

GENERAL

Minimum Autonomy	365 nights per year
Functionality	Bluetooth
Fasteners	Stainless Steel A2 – Tamper-proof
Presence Sensor	PIR (Infrared) – Optimal 180° detection