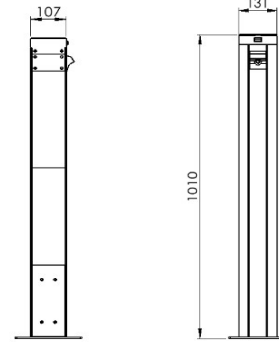
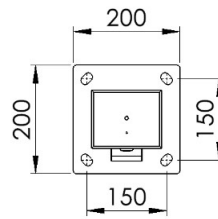


ONYX Bollard



PHOTOVOLTAIC PANEL

Total number of Photovoltaic panels (PV)	4
Wp power	13.2 Wp
Cell technology	Monocrystalline Cells
Types of cells	Sunpower Back Contact
Lifespan	> 25 years
Surface area of the PV (in cm ²)	325cm ² per Panel
Efficiency	25%

BATTERY

Chemistry	LiFePO4 (Lithium Iron Phosphate)
Nominal voltage (in V)	9.6 V
Capacity (in Ah)	4.8 Ah
Energy (in Wh)	46 Wh
Charging cycle	8000 cycles at 55% DOD
Lifespan	≈15 years

LIGHTING FIGURE

Nominal Power (in W)	2 W
Color temperature	2200K-2700K-3000K
Photometric distribution	Type I - Pedestrian Path
CRI	≥70
Materials	Machined and black anodized aluminum
Ingress Protection (IP)	IP67

LIGHTING PROFILE

Lighting Profile	6x (100-00) / 4x2 (100-00-100) / detection
Lighting Duration	6h

STRUCTURE

Dimensions (In mm)	1007 x 131 x 103 mm
Chassis materials	Anodized aluminum
Platinum materials	Stainless steel 316L
Weight (in kg)	7 kg
Impact resistance rating (IK)	IK10
Recommended concrete block dimensions (in mm)	400 x 400 x 400 mm
Plate dimensions (in mm)	200 x 200 mm
Fixing center distance (in mm)	150 mm
RAL	Standard: Noir 2100 Sable / Optional: RAL Sanded finish

GENERAL INFORMATION

Minimum autonomy	365 nights per year
Functionality	Bluetooth
Motion Sensor	PIR (Infrared)