

## **Smart Urban Cabinets – Monolit Model**

CE trademark number 2.825.351  
EU Community register number 978903-0001

### **Introduction**

The Monolit® series is a new generation of cabinets for street lighting control that combine a urban image, reliability and functionality. Developed by ARELSA, they are registered as the EU model number 978903-0001.

Launched in 2008 they have experienced a huge success and have become a solid alternative to the traditional cabinet.

### **Urban design**

Designed by a multidisciplinary team of engineers and architects, the Monolit is characterized by offering modern and elegant aesthetics without compromising the features and performance required in a street lighting cabinet.

### **Latest technology**

They are designed to maximize the performance of street lighting: they enable telemanagement from a central control room and can house energy saving systems that allow up to a 35% consumption reduction.

### **Manufacturing**

The Monolit's plate is made of AISI 304 stainless steel and is 2 mm thick.

Mass production and plug-and-play: we deliver the cabinets fully equipped, programmed and with active communications.

### **Quality control**

All our cabinets are manufactured following a thorough quality control and comply with the ISO 9001:2008 Norms, as certified by AENOR and EQNET since 1996.

### **CE mark and warrant**

All cabinets carry the CE mark and have a two-year warrant.

### **Facilities**

Our state-of-the-art workshops are conveniently located 20 km north of Barcelona.



**Various models from the Monolit family**

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### Technical data

#### MONOLIT Smart Cabinets for urban installations

<b>Electrical data</b>	Service voltage Max. current	3x400/230 V 250 A
<b>Busbar</b>	Copper strip	
<b>Test certification</b>	Test lab Standard tests and verifications: <ul style="list-style-type: none"> <li>• Thermal limit.</li> <li>• Dielectrical characteristics.</li> <li>• Cutout resistance.</li> <li>• Protection circuit continuity.</li> <li>• Isolation distance.</li> <li>• Mechanical behaviour.</li> <li>• Protection degree.</li> </ul>	APPLUS + IP protection degree number 10/31702524 IK protection degree number 11/31701008 Thermal limit number 11/31701007
<b>Norms and quality</b>	CE mark  Quality certificates	UNE-EN 60439-1  UNE-EN ISO 9001/2008 AENOR ER-0420/1996
<b>Structural characteristics</b>	It is formed by combined modules with independent plinth and rooftop to protect against rain.  Each cabinet is subdivided in independent modules to house the electrical feeder, protections, telemanagement terminal and savings equipment.	Self-porting ensembles  Subdivided
<b>Mechanical characteristics</b>	Main frame  Degrees of protection  Surface  Default color  Basic models	AISI 304 stainless steel plate, 2 mm thick.  IP20 up to IP55  Plate is stripped, phosphated and imprinted with stoved enamel.  RAL 7021  Monolit-0, Monolit-1, Monolit-2 and Monolit Plus
<b>Dimensions</b>	Total height  Base modules height  Optional modules height  Plinth  Base dimensions	2.590 mm  1370, 1570 and 1770 mm  320, 520 and 720 mm  300 mm  520x520 mm or 700x700 mm
<b>Standard Working Conditions</b>	Installation  Ambient temperature  Relative humidity  Max. altitude	External service  -15 °C to 50 °C  Max. 60% at 40 °C  ≤ 2000 m.