Rama Garden

Gonzalo Milá, *2011*

THE RAMA GARDEN STREET LAMP IS DESIGNED TO LIGHT UP LANDSCAPED SPACES AT LOW LEVELS. REPLACES THE CLAMP FASTENING TO THE COLUMN WITH A DIRECT INTEGRATION AT THE END OF THE COLUMN, GENERATING A CONTINUOUS ELEMENT WITHOUT JOINTS IN TWO VERSIONS, SINGLE OR DOUBLE

1 | Use of LED Technology: energy saving

2 | Does not require maintenance

3 | Lighting at lower levels

LONG WORKING LIFE, OVER 50,000 HOURS, TRIPLING THE AVERAGE WORKING LIFE OF THE MAJORITY OF THE PRESENT-DAY DISCHARGE LAMPS

Rama Garden Streetlamp

The RAMA GARDEN is the adaptation of the Rama street light to LED technology. Over 50,000 hours of life with high luminous efficacy, linear regulation of flow and minimum maintenance. The slimmer aluminium extrusion body replaces the clamp fastening to the column with a direct integration at the end of the column.

The body of the luminaire, whether single or double, is made in a single piece, without intermediate joints, and is coupled to the column at a right angle, a pure shape even simpler than its predecessor. The body of the luminaire is in aluminium extrusion, recycled and recyclable material, anodized finish.

Materials and finishes

· **Body**
The body of the luminaire has a rectangular cross-section 119x65mm in recycled aluminium extrusion, anodized finish, and the end covers are in aluminium injection with grey painted finish. Internal dissipator in aluminium extrusion black anodized finish. Methacrylate diffuser.
· **Columns**
Columns with a height of 3.70 and 5.20 m, circular cross-section tube of Ø 114mm in aluminium extrusion, anodized finish, for 1 or 2 luminaires at the same height.

Luminaire

· Optical unit
Set of street optical lenses.
· Electronic equipment
Offers the possibility of powering the lamp from 350 mA to 500 mA.
Adjustable 1-10V or Dali power sources can be supplied as an option.
· Fastening to column
Fastening of the body to the column with three stainless steel screws.

· Installation of the luminaire
The luminaire is delivered assembled.
It is not necessary to open the unit to install the luminaire. A connector housed in the lower part of the body allows easy installation. Santa & Cole will maintain the guarantee provided that the body of the luminaire is not opened.
The assembly instructions are enclosed with the street lamp.

Lamp

The Rama Garden incorporates a LED module which allows the following options:

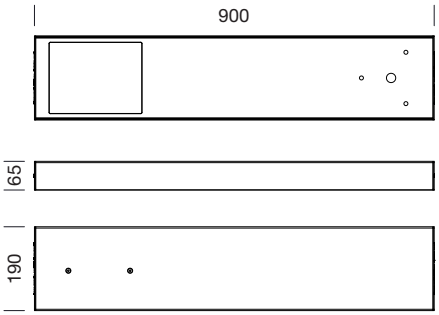
· 25W - 24 LED (350 mA)
Power of the system 27W

· 35W - 24 LED (500 mA)
Power of the system 39W

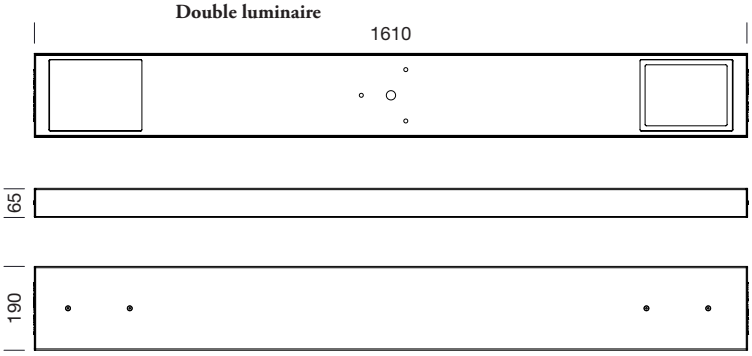
Luminaire efficiency >90%
Upper flux fraction 0.0%

· Power supply 230 V - 50 Hz
· Degree of protection IP grupo óptico 66
· Electrical class I (Clase II consult)
· EC marking

Single luminaire

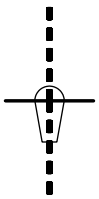


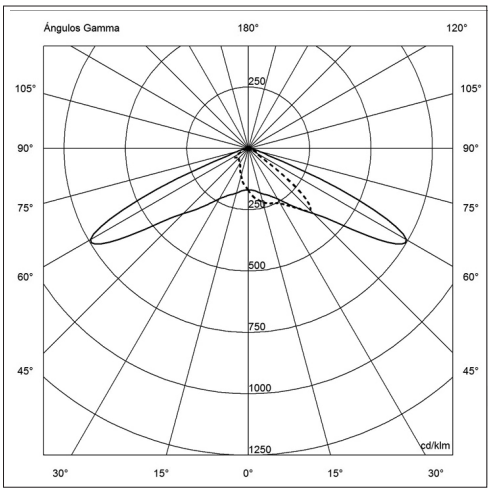
Double luminaire



Street optical:

Maximum value: **362,48 cd/Klm**
Position: **C=345.00 G=50.00**





It offers two color temperature options 4000º and 3000º K:	**4000K – IRC75 (typical)**	**3000K – IRC85 (typical)**
Nº LEDS	24	24
Forward current [mA]	350 500	350 500
Nominal lamp wattage [W]	25 35	25 35
System wattage [W]	27 39	27 39
Lumen output [lm]	2.500 3.100	2.000 2.500

Maintenance

This luminaire does not require maintenance

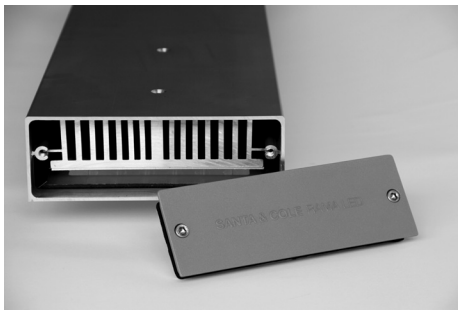
Installation

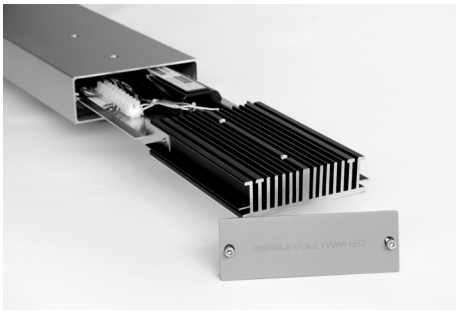
The column is fixed by means of a concrete bucket installed in situ and anchor bolts, 20 cm below the paving. The foundations must foresee the groove for the electric connection.
The unit is delivered dismantled. The assembly instructions are enclosed with the street lamp.
The template and the anchor bolts are delivered with the column.

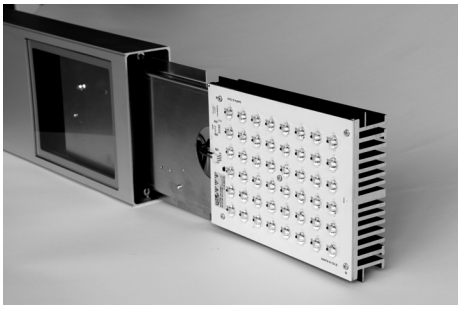
Weights

- **Single luminaire**
  5.2 Kg
- **Double luminaire**
  10.4 Kg
- **Columns 37.0 / 5.20 m**
  16 Kg / 21 Kg

Images from the inside of the luminaire





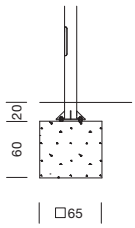
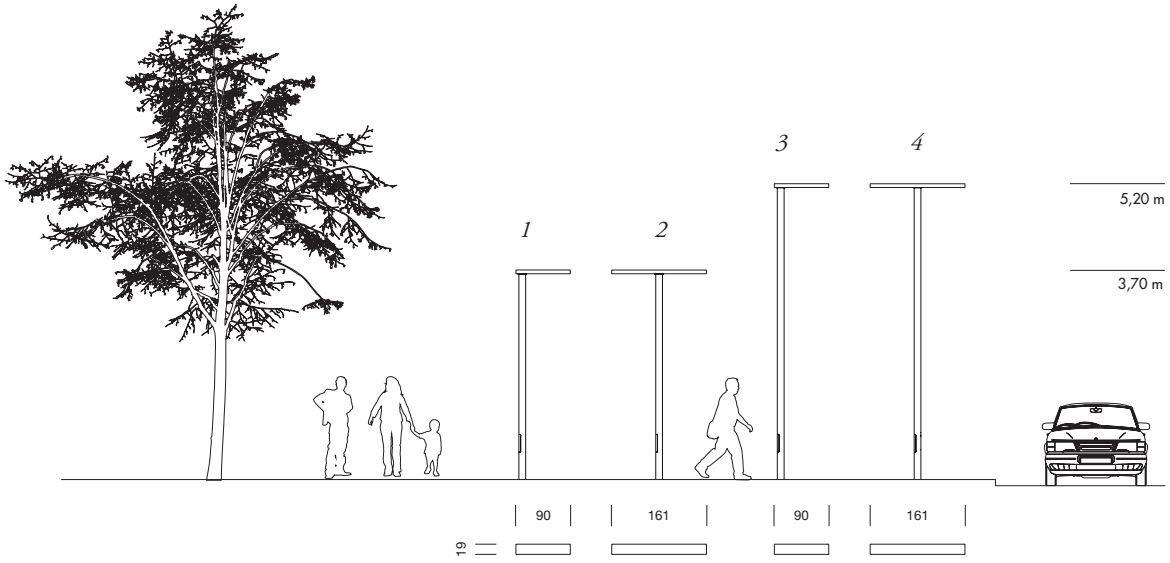


Models

1 3,70 m
· 1 section
· 1 single luminaire

2 3,70 m
· 1 section
· 1 double luminaire

3 5,20 m
· 1 section
· 1 single luminaire

4 5,20 m
· 1 section
· 1 double luminaire

Sizes in cm.