

FOR WHICH APPLICATIONS?

With their wide diameter (20 mm), **Domino Pogo** produce a large shaft of light similar to the luminous flux of a neon tube.

● They can be used to create all sorts of patterns, in particular in large signs.

The possibilities are endless by modifying the distance between LEDs, grouping them into patches of light and mixing colours.

● Signs have maximum visibility thanks to the 180° lighting.

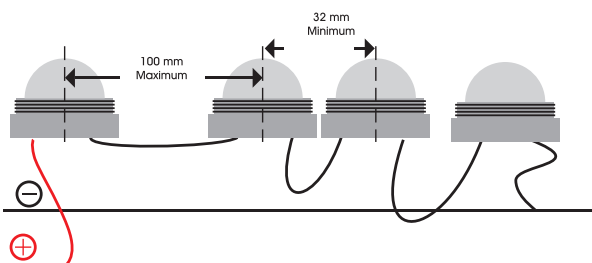
PATENTED

DESCRIPTION

Domino Pogo are pre-wired on a carrier in **inseparable** groups of four of the same colour. Each LED is encapsulated and embedded in resin to ensure maximum sealing (IP 66). The colour of the capsule identifies the colour of the LED.

To fix Domino Pogo, simply clip them into the holes in the support. The lips used to clip them can withstand possible expansion of the support.

Signs made with Domino Pogo have a particularly low energy consumption.



INSTALLATION

INFORMATION FOR DESIGNERS

Domino Pogo dimensions are available in vectorised format. The file is supplied on a CD-Rom and can also be downloaded from

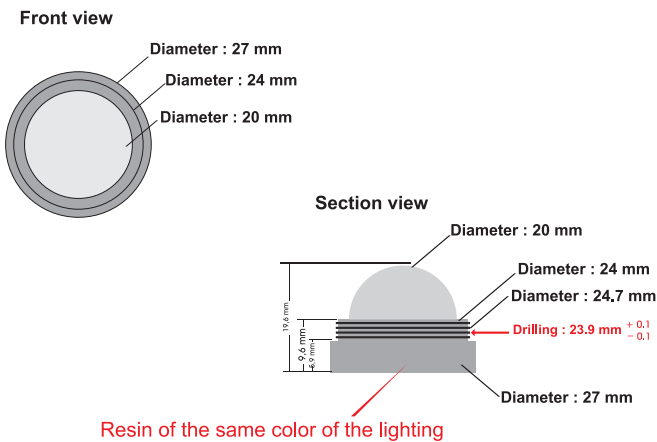
www.dominosign.net

- Minimum and maximum spacing between LEDs:
 - minimum centre to centre distance: 32 mm
 - maximum centre to centre distance: 100 mm
- Diameter of clipping hole 23.9 mm. Allowance must be made for the thickness of any layers of paint when piercing holes in the support. Tests will be required depending on the type of paint and applicator.
- Thickness of support (PMMA, aluminium or composite sheet) between 1 and 3 mm
- The power of the 24 V electricity supply is obtained by multiplying the consumption of one LED by the number of LEDs. N.B. the consumption of Domino Pogo LEDs varies depending on their colour (see power supply guide, p. 24)



CHARACTERISTICS

Diagram of LED



Colours	Red	Amber	Green	Blue	White	Pink
Luminous flux (L/m)	3	3	8	2	8	2
Consumption Watt/LED	0.36	0.36	0.48	0.48	0.48	0.48

Animation: yes Dimmer: yes

	24 V		IP 66
	180° angle		+80° -40°

CE
RoHS

PACKAGING

Wrapped in antistatic plastic film
Quantity: 100

WORKSHOP GUIDE



UNPACKING - HANDLING

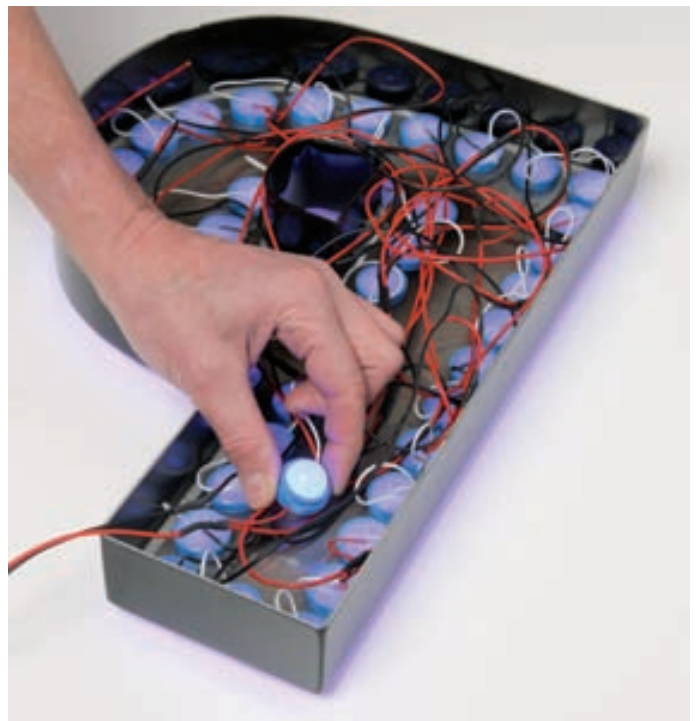
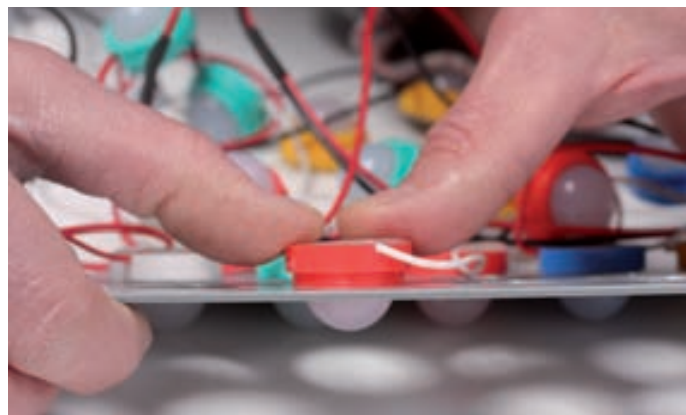
As the LEDs consist of electronic components, they should be handled with care. Domino Pogo are protected in their original packing by a treated antistatic plastic film so that you can unroll and use the quantity you require without any risk of entanglement. For electrostatic reasons, the work surface must at least be earthed. We recommend using ESD mats.



INSTALLATION

The support must be clean. Domino Pogo are introduced into the holes and clipped by pressing on the back of the capsule until the rim meets the support.

Whenever the number of holes in the support is not a multiple of four, any extra Domino Pogo are kept at the back of the support. The same procedure should be followed when introducing different colours in various places as **the 4 LEDs in a single module are inseparable.**



WIRING

After determining the number and/or power of the electricity supplies, no more than 100 LEDs should be wired on loops in parallel.

To connect these loops in parallel to the 24V supply cables (+ and -), use electrically insulated connectors to avoid any short-circuits (cf. connector accessories) or make a connection with solder and heat-shrinkable tubing.

ADVICE

As with any sign, once it has been assembled we advise you to perform an aging test lasting at least 48 h to check that it has been properly assembled and connected and that the LEDs have not suffered any damage in the process.

