



# Luminous Carpets™

## Technical datasheet LC Grid

### Contact

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# LC Grid



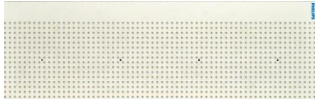
LC Grid is a LED luminaire for Luminous Carpets solutions. The LEDs can be addressed individually, which makes it possible to e.g. display static or scrolling content. LC Grid is controlled by dedicated, Luminous Carpets controllers. It can be installed in concrete floor via a special LC Grid floor mount that is available as an accessory. It can also be installed in a raised access flooring system.

## Technical specifications

Dimension (panel)	800 x 250 mm 31.5 x 9.8 inch
Dimension (lit area)	800 x 200 mm 31.5 x 7.9 inch
Thickness (panel)	12 mm 0.5 inch
Material	Steel white paint finish Black Polyurethane (PU) material
Operating temperature	15°C-40°C 59°F-104°F
Max load	3000 kg/m <sup>2</sup> 615 lb./ft <sup>2</sup>
IP rating	IP23
IK code	IK09 <i>to be confirmed</i>
Pixel pitch	12.5 mm
Light source	White LED's 1024 pixels
Cable length	Max. 30m Max 100ft
Cable thickness /AWG	Data: Cat5e UTP Power: 4c 20AWG
Controller	LC Grid Controller
Input voltage	100-240 VAC 50/60Hz
Input power (max)	150W
Lifetime	B50L70 @50,000hr Three switching cycles
Approbation	  Pending



# LC Grid configurations



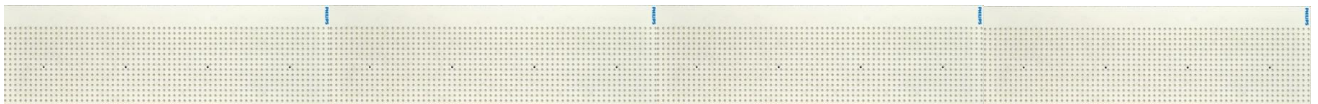
80x20 cm / 31.5x7.9 inch



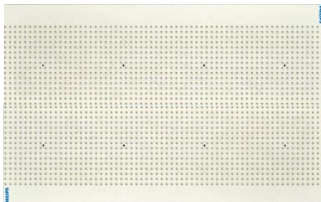
160x20 cm / 63x7.9 inch



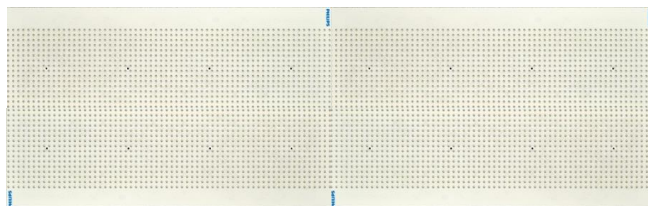
240x20 cm / 94.5x7.9 inch



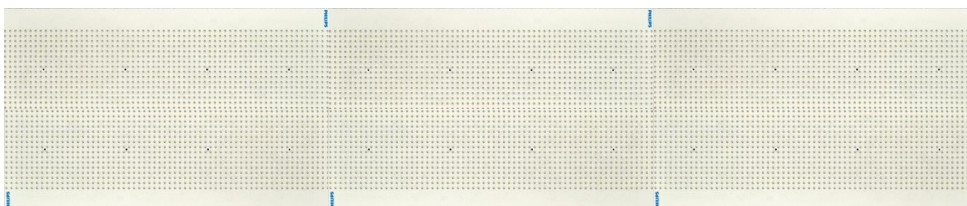
320x20 cm / 126 x7.9 inch (max width configuration)



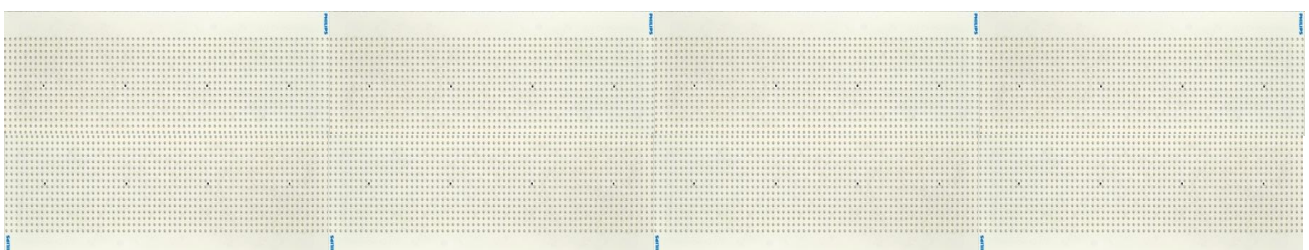
80x40 cm / 31.5x15.8 inch



160x40 cm / 63x15.8 inch



240x40 cm / 94.5x15.8 inch



320x40 cm / 126x15.8 inch (max width and height configuration)



# LC Grid Controller



LC Grid Controller is lighting controller which is special designed for the LC Grid. Each LC Grid will have its own controller.

The LC Grid Controller placed on a desktop or mounted in a 19" rack (hardware included).

## Technical specifications

Dimension	437 x 300 mm 17.2 x 11.8 inch
Thickness	34 mm 1.35 inch
Material	Steel white paint finish
Operating temperature	15°C-40°C 59°F-104°F
Compatibility	LC Grid 282 LC Grid 244
Connection back	Mains power connector male Mains power connector female
Connections front	Data Power UTP RJ45 USB (not in use)
Mounting	Mounts in an EIA standard 19-inch telco rack
Input voltage	100-240 VAC 50/60Hz
Input power (max)	150W
Approbation	CE cUL US LISTED Pending