



Luminous Carpets™

Technical datasheet LC Grid

# 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. LC Grid 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 systems.

## Technical specifications

	LC Grid 282 v1	LC Grid 244 v1	LC Grid 222 v1
Dimension (panel)	800 x 250 mm 31.5 x 9.8 inch	400x450 mm 15.7x 17.7 inch	200x250 mm 7.9x 9.8 inch
Dimension (lit area)	800 x 200 mm 31.5 x 7.9 inch	400x 400 mm 15.7x15.7 inch	200x 200mm 7.9x 7.9mm
Thickness (panel)		12 mm 0.5 inch	
Material		Steel white paint finish Black 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	
Pixel pitch		12.5 mm	
Light source	White LED's 1024 pixels	White LED's 1024 pixels	White LED's 256 pixels
Cable length		Max. 30m Max 100ft	
Cable thickness /AWG	Data: Cat5e UTP Power: 4c 20AWG	Data: Cat5e UTP Power: 4c 20AWG	Power/ Data: Cat5e UTP
Controller	LC Grid Controller 2[1x4] v1	LC Grid Controller 2[1x4] v1	LC Grid Controller 2[6x1] v1
Input power (max)	150W	150W	40W
Lifetime		B50L70 @50,000hr Three switching cycles	
Approbation	CE	UL Pending	





# 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).

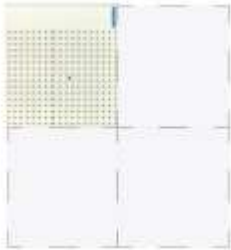
## Technical specifications

	LC Grid Controller 2[1x4] v1	LC Grid Controller 2[6x1] v1
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	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)	200W	300W
Approbation	 	Pending

# LC Grid configurations

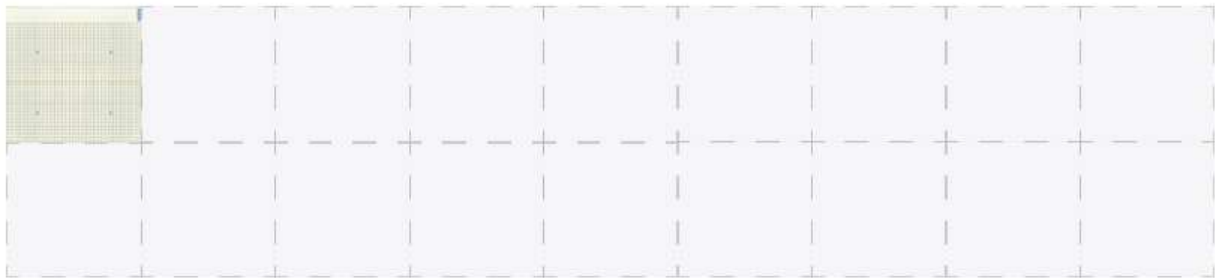
## LC Grid 222

Up to 2 x 2 panels (lit area 40x40cm, 15.7x 15.7 inch)



## LC Grid 244

Up to 2 x 9 panels (lit area 360x80cm, 142x 31.5 inch)



## LC Grid 282

Up to 2 x 4 panels (lit area 320x40cm, 126x 15.8inch)



For alternative configuration contact your local sales responsible.

## Contact

Website

[www.luminous-carpets.com](http://www.luminous-carpets.com)

E-mail

[luminous.carpets@philips.com](mailto:luminous.carpets@philips.com)