ambianti

determining the future of ambient technologies
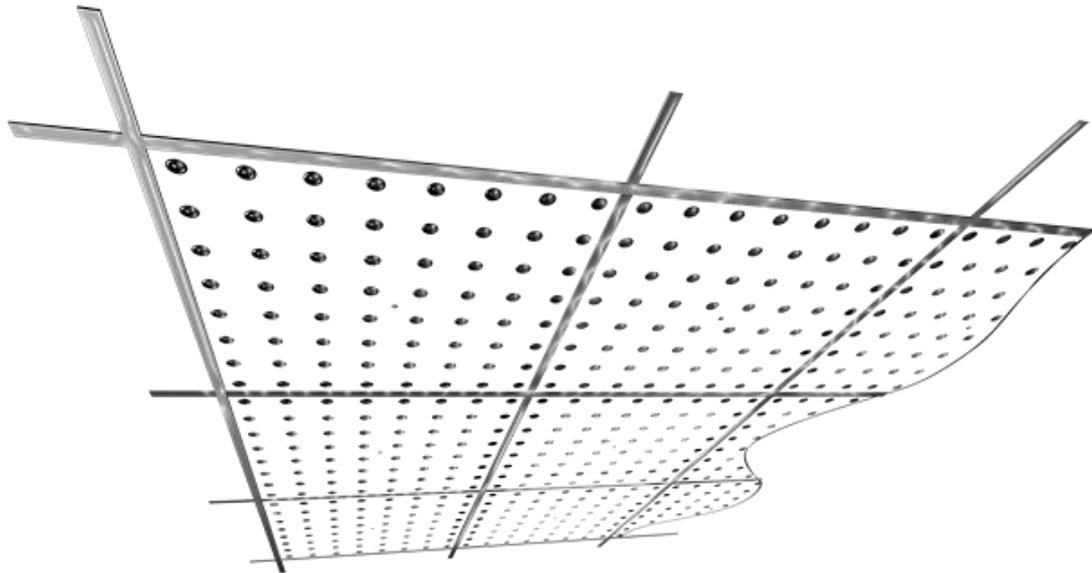
Ambianti Lighting Tile 5K/30s
Specification Sheet

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Technical specifications[1]

Power consumption (max)	19W
Input voltage (DC)	32V
Current (max)	0.6A
Operating temperature	0 to 40 Celsius
Storage temperature	-20 to 80 Celsius
Weight[2]	4.5Kg
Width	595mm
Length	595mm
Height	18mm
Package dimensions	610 x 610 x 30mm

Optical characteristics

Luminous intensity per LED	30cd (5400cd/m^2)
Chromaticity coordinates	X:0.344 Y:0.355
Color temperature	5000K
Beam angle	30°
Number of LEDs per tile	64
Brightness adjustment	Individually dimmable and controllable LEDs (16 brightness levels). 196 additional levels of brightness per tile.
Refresh rate	250Hz

Accessories

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Backup	Last known good firmware back up back-face extension module[3].
Wi-Fi	Wi-Fi connectivity back-face extension module[3].
Bluetooth	Bluetooth connectivity back-face extension module[3].
Point&play	Infrared point&play remote control.

18mm

595mm

595mm

[1] Subject to change without notice.
[2] Valid for high density (1000Kg/m^3) MDF façade.
[3] Full functionality available with one module per ceiling.
[4] More information available on request.
[5] Connectors not depicted on the drawing.
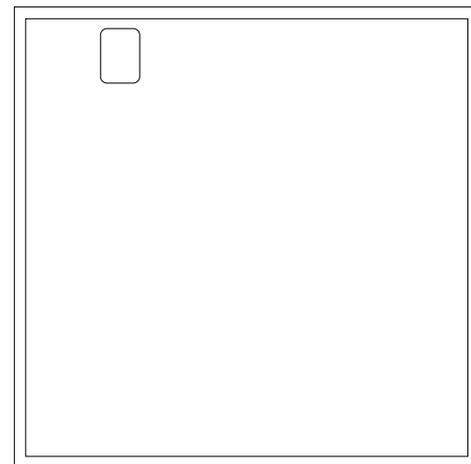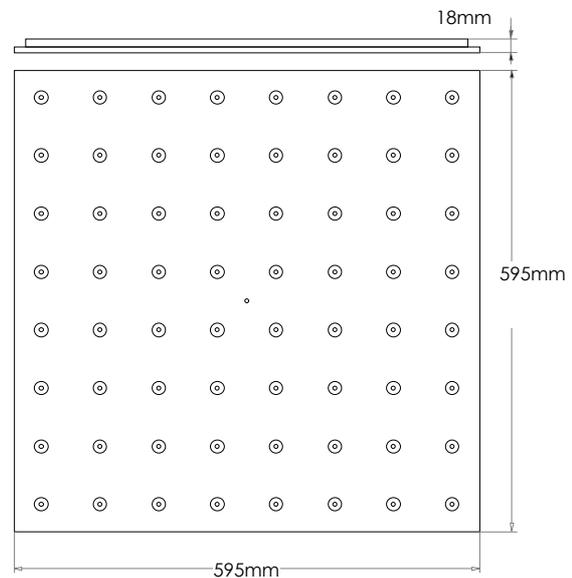
Description

Ambianti cuttable lighting tiles compose a highly adaptable lighting solution with innovative computing capabilities. Designed to fit standardized suspended ceiling grids, the tiles can be cut and drilled[4] at the point of installation, attached to a ceiling in any configuration, and connected to each other in one click[5]. Once connected, the tiles communicate autonomously and self-configure, forming a distributed computing system, where each tile knows its position and the position of others. No network infrastructure rewiring or external control unit is required. The tiles can be controlled through a variety of devices, such as a tablet or a point&play remote control.