



# lineaCube®

LineaCube is an autonomous space with a unique and self-supporting, double flush glazed construction with patented, invisible glass connections. Ventilation, extremely good acoustic insulation and absorption, power, data, audio and lighting are integrated into the suspended ceiling.

## COOLING OPTIONS

### Ventilator

Standard integration of lineaCube.

- 85W
- 0-10V control
- 2580 rpm
- can be operated remotely

Ventilator capacity: the air refresh rate is 40 m<sup>3</sup> per person per hour at 30% of the ventilator capacity.\*

Power (%)	Revolutions (min-1)	Noise level (dB)	Ventilation p.p. (m <sup>3</sup> /h)
100	2800	63	158
50	1400	52	75
35	980	43	53
30	840	40	42
25	700	36	30

Based on 2m<sup>2</sup> per person\*

### Climate Ceiling System

Optional integration of lineaCube.

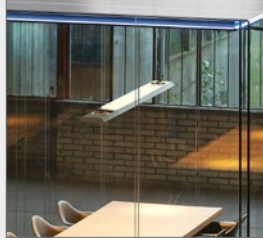
- Oxygen diffusion-tight cooling registers
- Cooling registers (thermally conductive) adhesively bonded to steel ceiling panels
- Ceiling panels provided with acoustic membrane
- Nominal cooling capacity: 104 W/m<sup>2</sup> at ΔT=10K
- Including heat exchanger, secondary circulation pump, control valve, temperature sensor and thermostat
- Optional: cooling unit, including associated components

CEILING INTEGRATIONS

## Lighting system

### Spots or pendant lamps

- Dimmable if required
- Can be operated remotely
- Pendant lamp above table must conform with 0-10V



## Contour mood-light

- LED RGB
- 10 mm wide LED strip
- 48W
- 120 LEDs per metre
- Dimmable based on 0-10V
- Can be operated remotely



## Stability

Strength, stability and applicability tested for the possible load situations of the lineaCube product;

- Wind pressure and wind suction for an indoor configuration
- A crowd pressing against the glass wall
- The impact of a 'marble sling test'

LineaCube has been passed as structurally safe based on the following standards:

- NEN 8700 (11-2012)
- NEN-EN 1990 – Eurocode 0 Principles of Structural Design
- NEN-EN 1991 – Eurocode 1 Actions on Structures
- NEN-EN 1993 – Eurocode 3 Steel Structures
- NEN-EN 1991 – Eurocode 9 Aluminium Structures
- DIN 4103 (07-1984)
- TRAV 2003

## Noise insulation

Rw values according to ISO-717.

- Wall, glass: up to 48 dB
- Wall, solid: up to 53 dB
- Ceiling, perforated: up to 30 dB (for the purposes of sound absorption)
- Ceiling, solid: up to 53 dB
- Door, glass: up to 41 dB
- Door, solid: up to 44 dB

## Sound absorption

- Reverberation time = 0.5 sec.\*

\*Assumed version:

- L x W x H: 3m x 4m x 2.75m
- Fully glass + 2 perforated wall modules (2 x 1.2 m wide; 5.8m<sup>2</sup>; 14%) + perforated ceiling (14%) incl. polyester and mineral wool with  $\alpha_w=0,75$ .

# AUTOMATION PACKAGES

Control all your electronic equipment from your smartphone or tablet: lighting, ventilation, TV screen, sound, etc.

## Basic control

For light and ventilation.

Consisting of:

- Pendant lamp
- Ventilation

**Optional integration:**

- Climate Ceiling System
- Contour mood-light RGB with remote control

Operation via remote control with 4 buttons.  
Not suitable for smartphone and/or tablet.

## Standard control

For light, ventilation, audio, video and multimedia. Consisting of the Basic control package plus:

- LED TV 60" in 6 mm flush glazed frame
- Sound Panels
- Media Walls: Apple TV & Chromecast

**Optional:**

- Clickshare
- Climate Ceiling System

Operation with Control4 via remote control, tablet and/or smartphone.

## Premium control

Consisting of the Standard control package plus:

- Media Walls: + Touch screen

**Optional:**

- Clickshare
- Climate Ceiling System

Operation with Control4 via remote control, tablet, smartphone and/or touch screen.

## Living Options

- Whiteboards
- Sound Absorption Panels
- Sound Absorption Walls
- Media Walls
- Sound Panels
- Dynamic Lighting

■ Table lighting

■ Sprinkler system

■ Ventilation

■ Cool ceiling





LAYOUTS

## Configuration examples

Configuration by way of illustration. Different configurations available on request.

Dependent on configuration:

- 2x Glazed
- Glazed - solid
- Solid - solid

All glazed units in 12 mm thickness.

max. 3000 mm

max. 24570 mm

max. 4000 mm

## Technical drawings

