CI/SFB (35) XY
February 2016

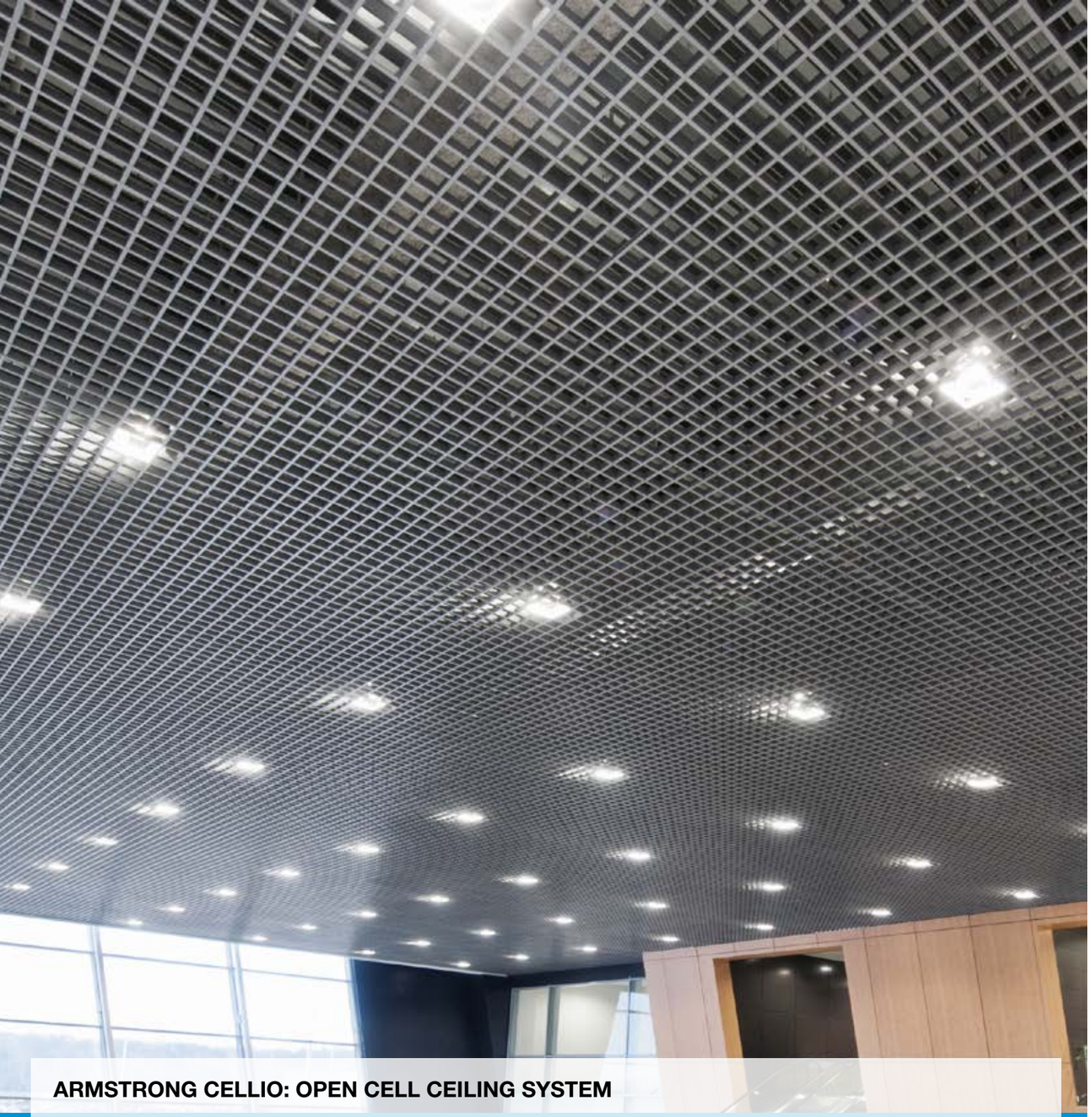
Metal
Ceiling



CELLIO SYSTEM
Open Cell

Inspiring Great Spaces™

Armstrong®
CEILING SOLUTIONS



ARMSTRONG CELLIO: OPEN CELL CEILING SYSTEM

Durable open cell panels that mask the plenum and provide 100% accessibility to lighting, ventilation and sprinklers with an homogeneous appearance.
Ideal for application where airflow management and smoke extraction is required. Available in a variety of interior cell sizes: from small cell size to larger 200 x 200 mm.

BENEFITS

- Excellent solution when smoke extract through the ceiling is required
- Easy access to services
- Lay-in system is fast and easy to install in a standard suspension system
- Lighting can be installed behind the ceiling system
- Durable and lightweight

APPLICATION AREA

- CELLIO system is ideal for transport hubs, supermarkets, shopping centres, and showrooms.
  In general, where rapid smoke extraction is required.



Kazan Airport - Russia
Architect: Kazan GiproNNIAvia

CELLIO SYSTEM

OPEN CELL

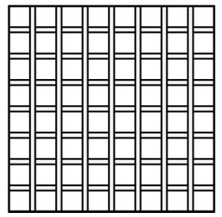
SPECIFICATION

System	CELLIO Open Cell ceiling system. Lay-In solution giving homogeneous appearance.
Material	Galvanised steel sheet 0.3 mm
Coating	Global white, RAL 9005 or RAL 9006 pre-coated powder painted visible surface, other RAL colours on request.
Execution	Standard module 600 x 600 x 37 mm
Grid System	Prelude 15 - TL exposed grid system
Perimeter	Range of standard trims in steel and aluminium plus custom bulkheads available.



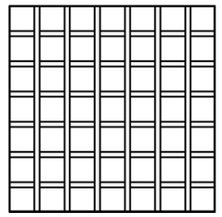
STANDARD CELL SIZES

CELLIO C64
9002 M



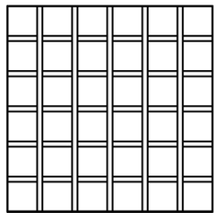
Cell size 75 x 75 mm
64% open area
31° cut off angle
5.3 kg/m²

CELLIO C49
9003 M



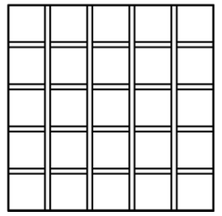
Cell size 86 x 86 mm
68% open area
27° cut off angle
4.6 kg/m²

CELLIO C36
9004 M



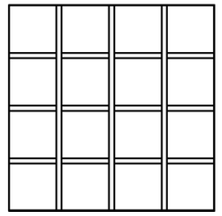
Cell size100 x 100 mm
72% open area
23° cut off angle
3.9 kg/m²

CELLIO C25
9005 M



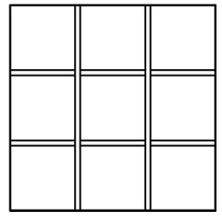
Cell size 120 x 120 mm
76% open area
19° cut off angle
3.3 kg/m²

CELLIO C16
9006 M

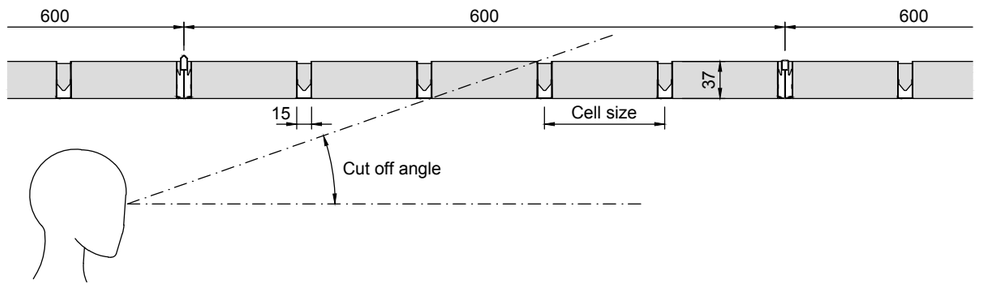


Cell size 150 x 150 mm
81% open area
15° cut off angle
2.6 kg/m²

CELLIO C9
9007 M



Cell size 200 x 200 mm
85% open area
11° cut off angle
2.2 kg/m²



HUMIDITY EXPOSURE

Up to 95% RH (for short term exposure).

SERVICES INTEGRATION

The open cell design allows to manage the airflow within the ceiling void, supporting services such as fire detection and control systems.
However, service elements can also be integrated within the cells of the CELLIO panels. The actual size of the cell openings is the cell module size minus 15 mm.

CLEANING

Dust should be removed from the painted surface by wiping with a clean soft cloth. More stubborn marks should be removed with a mild household detergent in warm water. Excessive use of water should be avoided. The use of abrasive cleaners of the painted surface is not recommended.

COLOURS

Standard colours



Global White | RAL 9006 | RAL 9005

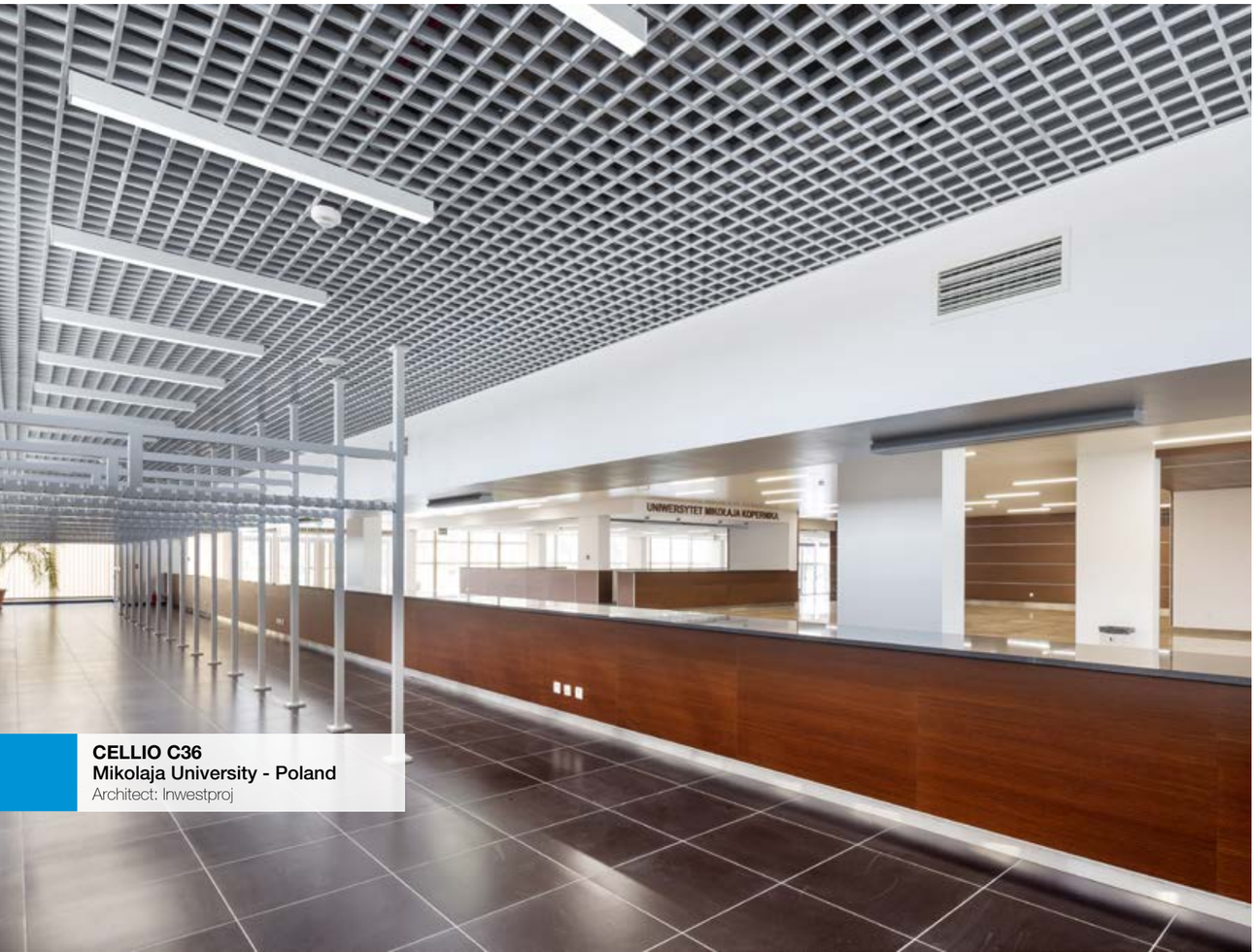
Special colours

Other colours available on request

A1

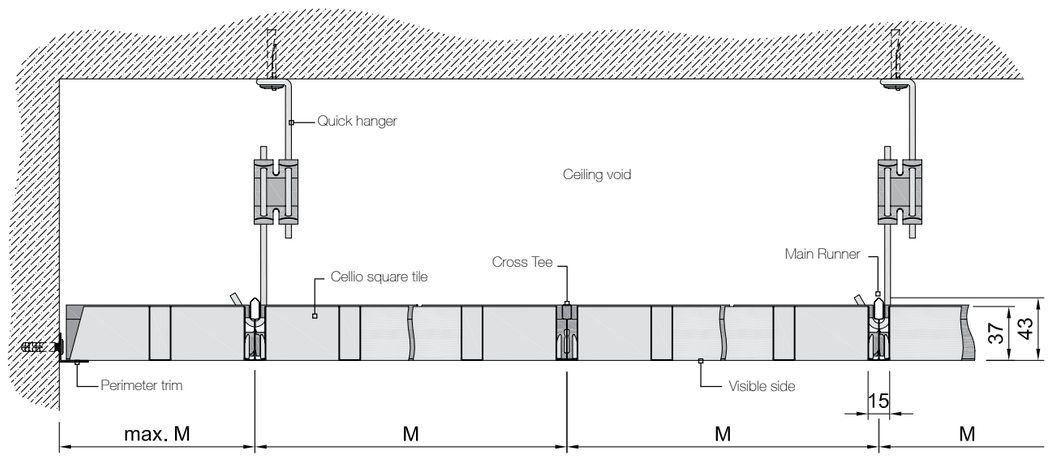
≤30% EN ISO 14021 Recycled Content

30 YEAR system guarantee

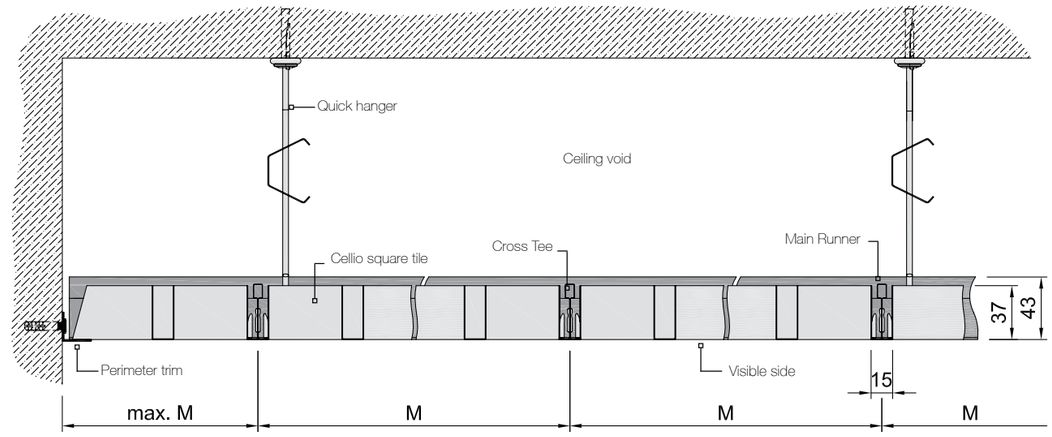


CELLIO C36
Mikolaja University - Poland
Architect: Inwestproj

CROSS-SECTION

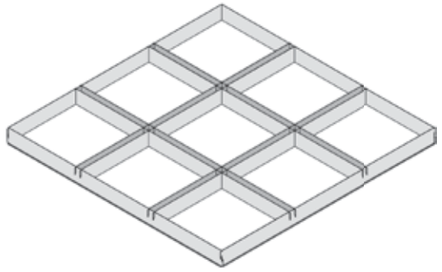


LONGITUDINAL-SECTION

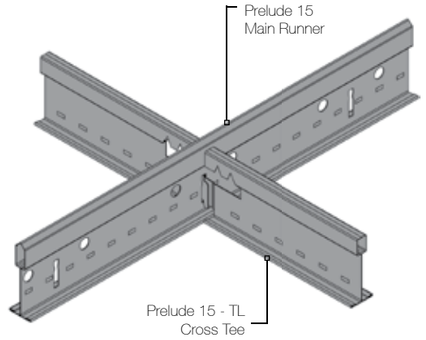


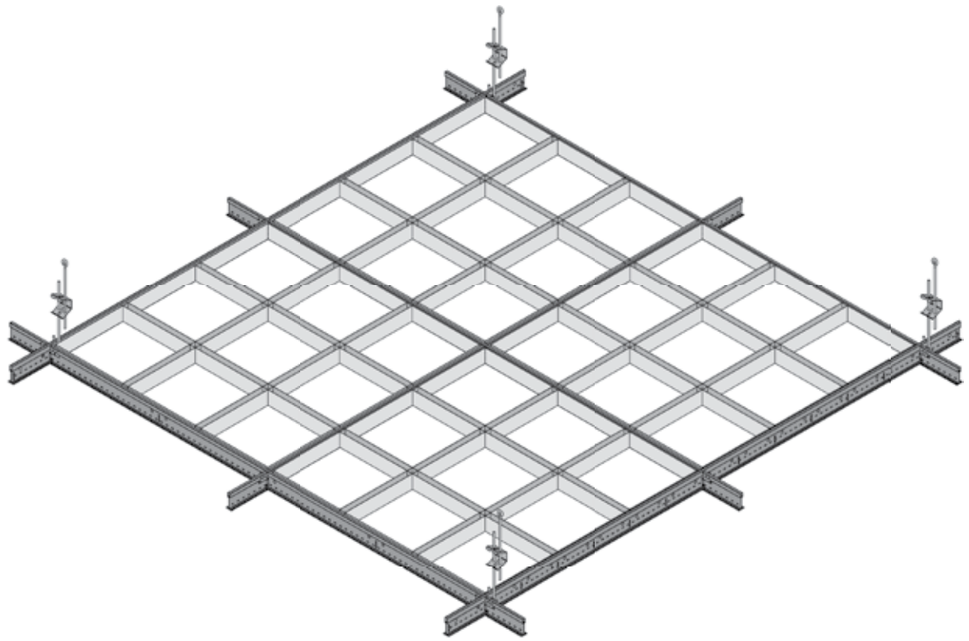
M = module size

Detail A Cellio square tile

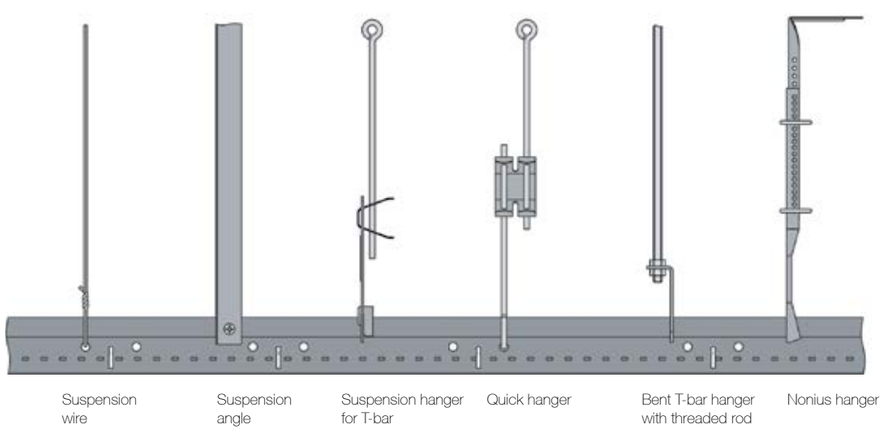


Detail B Prelude 15 - TL grid solution





Detail C suspension methods





CELLIO C36
Officinas Recicladhor - Spain
Architect: Javier Redondo

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