



INTRA.
SYSTEMS

C R E A T I V E C E I L I N G S

Introducing INTRAsystems Creative Ceilings - a range of linear metal grilles that offer a creative alternative to conventional suspended ceiling systems.

Made from stainless steel or carbon steel with a zinc / aluminium coating, INTRAsystems Creative Ceilings provide exceptional durability and aesthetic qualities and can be quickly mounted to standard bearing structures using an innovative mounting system.

1.

Due to the high-quality materials and their cleanability, INTRAsystems Creative Ceilings are perfectly suited to public and commercial interiors, such as:

- > shopping centres
- > sports facilities
- > museums, galleries, exhibition halls
- > airports and stations
- > offices and private properties
- > schools, colleges and universities



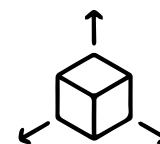
Open area control

Decide on the degree of masking that you want to apply to specific systems



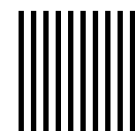
Resistance to damage

Advanced welding technology and profile shapes provide exceptional durability



Three-dimensional effect

Create novel visual and spatial effects while designing in any plane



Homogeneous surface

Choose the direction of grid profiles and alter the dynamics of the space using panels without visible seams



Acoustics

Reduce sound transmission by combining panels with appropriate acoustic inserts.



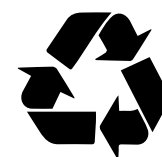
Consistency of design

Design comprehensively using the complete INTRAgrille range, suitable for walkways, façades, trench heating covers, ventilation, drainage and many more applications



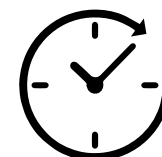
Flexible pricing solutions

Choose from exclusive stainless steel or economical carbon steel with zinc / aluminium coating



Eco-friendly

A product made of nothing but natural materials



Quick mounting and dismantling

Innovative fasteners for quick and simple installation



INSTALLATIONS

Exposed and semi-exposed ceilings and creative wall applications.



4.



INSTALLATIONS

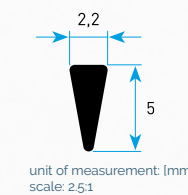


INTRAGrille T2250/66

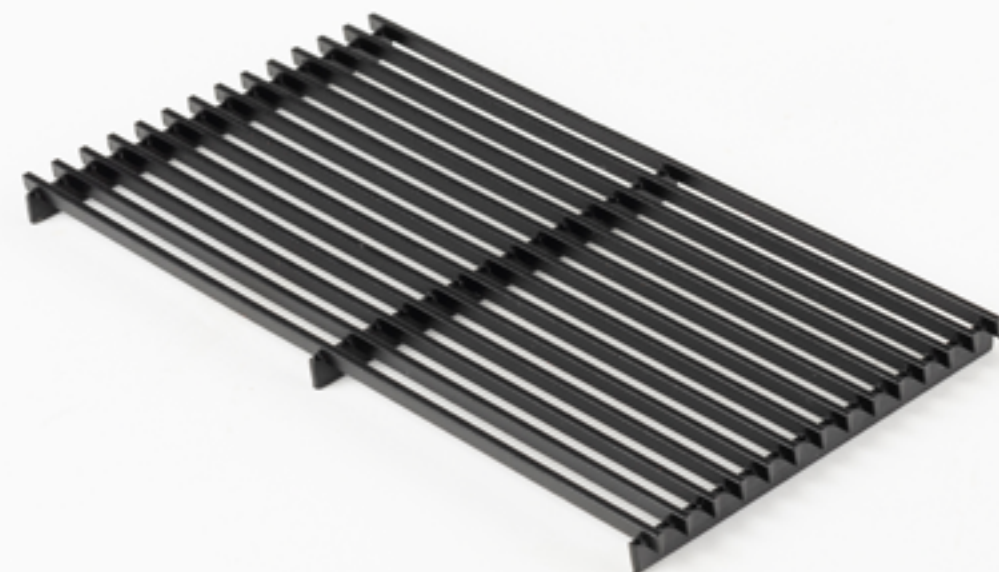
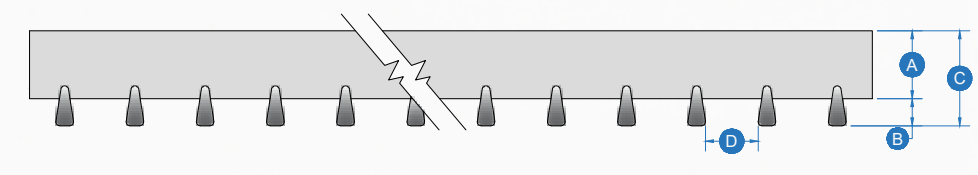
MATERIAL:	Carbon steel with zinc / aluminium coating
TOTAL HEIGHT:	11.9mm
SUPPORT SPACING:	100mm
SLOT GAP:	6.6mm
OPEN AREA:	75%
WEIGHT:	7.6 kg/m ²

A - Support height:	8.5mm
B - Profile height:	5mm
C - Total height:	11.9mm
D - Slot gap:	6.6mm

REFLEX



unit of measurement (mm)
scale: 2.5:1



Shown powder coated in RAL 9005

6.



INTRAgrille T4545/80

MATERIAL: Carbon steel with zinc / aluminium coating

TOTAL HEIGHT: 11.5mm

SUPPORT SPACING: 100mm

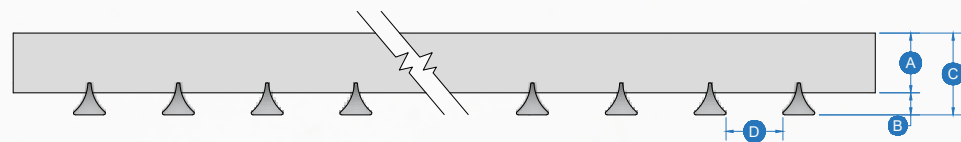
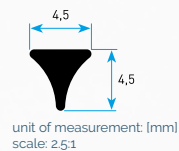
SLOT GAP: 8.0mm

OPEN AREA: 62.4%

WEIGHT: 7.6 kg/m²

A - Support height: 8.4mm
B - Profile height: 4.5mm
C - Total height: 11.5mm
D - Slot gap: 8.0mm

RADIUS



Shown powder coated in RAL 7016

INTRAgrille T4545/105

MATERIAL: Carbon steel with zinc / aluminium coating

TOTAL HEIGHT: 11.5mm

SUPPORT SPACING: 100mm

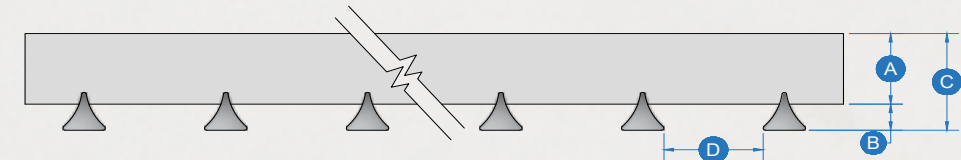
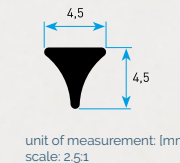
SLOT GAP: 10.5mm

OPEN AREA: 68.6%

WEIGHT: 6.6 kg/m²

A - Support height: 8.4mm
B - Profile height: 4.5mm
C - Total height: 11.5mm
D - Slot gap: 10.5mm

RADIUS



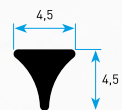
Shown powder coated in RAL 9003

INTRAgrille T4545/155

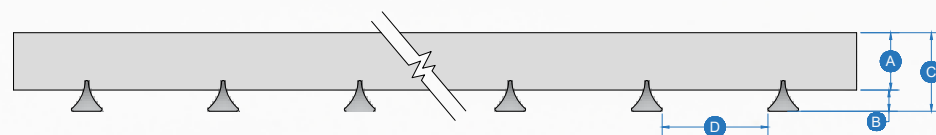
MATERIAL:	Carbon steel with zinc / aluminium coating
TOTAL HEIGHT:	11.5mm
SUPPORT SPACING:	100mm
SLOT GAP:	15.5mm
OPEN AREA:	76.5%
WEIGHT:	5.3 kg/m ²

A - Support height:	8.4mm
B - Profile height:	4.5mm
C - Total height:	11.5mm
D - Slot gap:	15.5mm

RADIUS



unit of measurement: (mm)
scale: 2.5:1



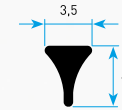
Shown powder coated in Drylac C33 068/66907

INTRAgrille T3545/65

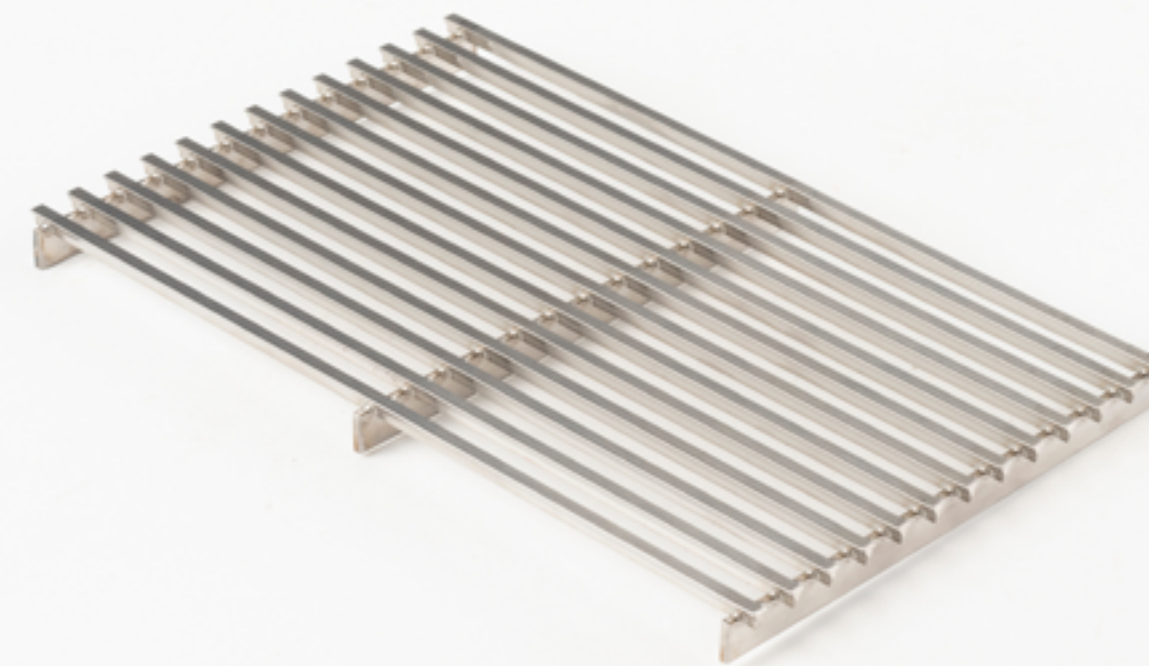
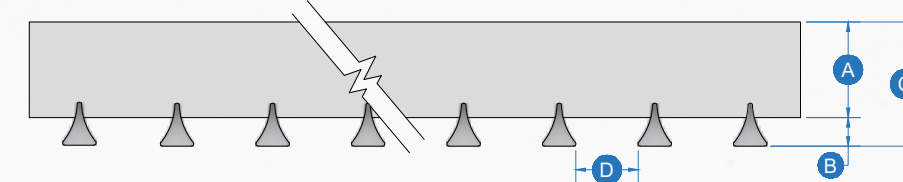
MATERIAL:	AISI 304 stainless steel
TOTAL HEIGHT:	13.0mm
SUPPORT SPACING:	100mm
SLOT GAP:	6.5mm
OPEN AREA:	65%
WEIGHT:	7.3 kg/m ²

A - Support height:	10.0mm
B - Profile height:	4.5mm
C - Total height:	13.0mm
D - Slot gap:	6.5mm

RADIUS



unit of measurement: (mm)
scale: 2.5:1



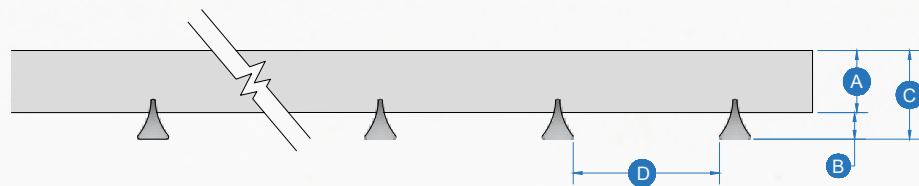
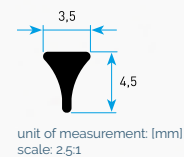
Shown pickled and passivated

INTRAgrille T3545/115

MATERIAL:	AISI 304 stainless steel
TOTAL HEIGHT:	13.0mm
SUPPORT SPACING:	100mm
SLOT GAP:	11.5mm
OPEN AREA:	76.6%
WEIGHT:	5.4 kg/m ²

A - Support height:	10.0mm
B - Profile height:	4.5mm
C - Total height:	13.0mm
D - Slot gap:	11.5mm

RADIUS



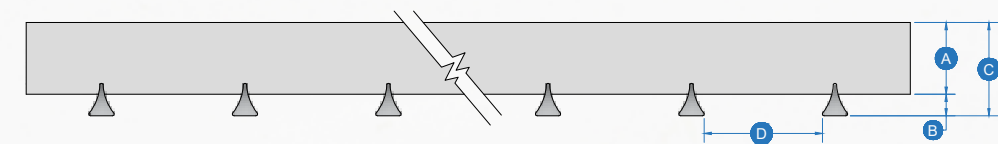
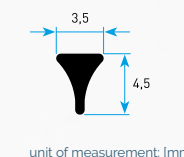
Shown pickled and passivated

INTRAgrille T3545/165

MATERIAL:	AISI 304 stainless steel
TOTAL HEIGHT:	13.0mm
SUPPORT SPACING:	100mm
SLOT GAP:	16.5mm
OPEN AREA:	82.5%
WEIGHT:	4.5 kg/m ²

A - Support height:	10.0mm
B - Profile height:	4.5mm
C - Total height:	13.0mm
D - Slot gap:	16.5mm

RADIUS

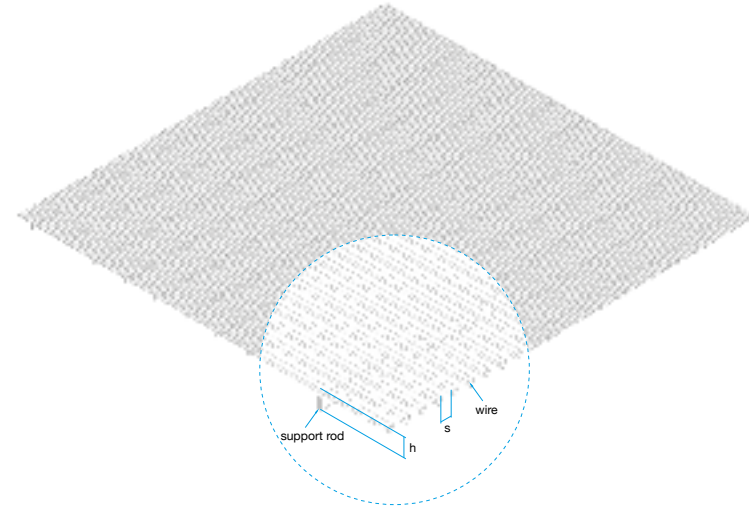
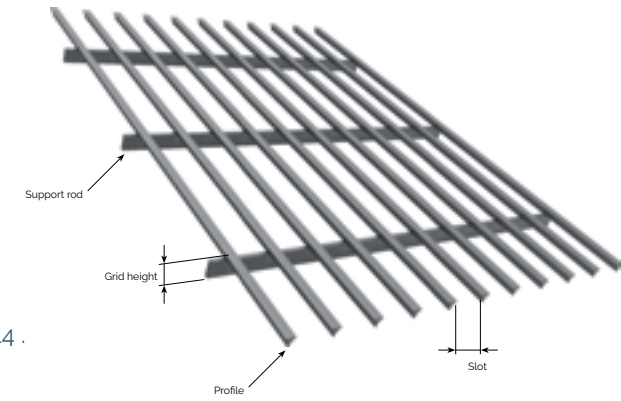


Shown pickled and passivated

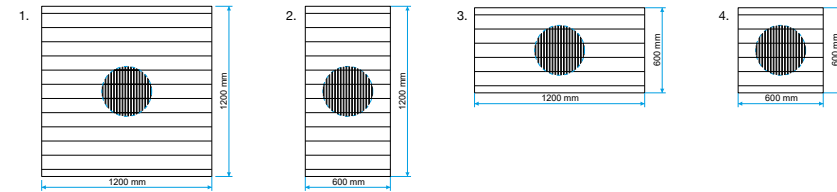
TILE FORMAT

INTRAsystems Creative Ceiling grilles are welded grilles made of stainless steel or carbon steel with zinc / aluminium coated wire.

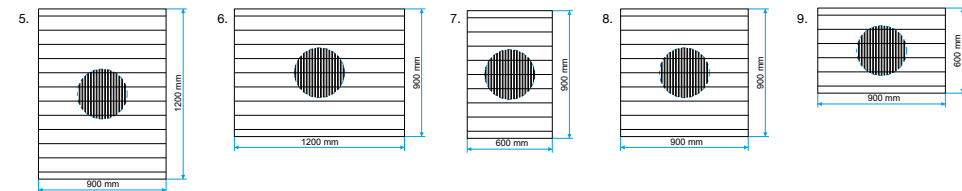
The tile consists of support rods with perpendicular decorative wires (profiles). Decorative wires are evenly spaced forming slots that can control airflow and create stunning decorative effects (parameter S).



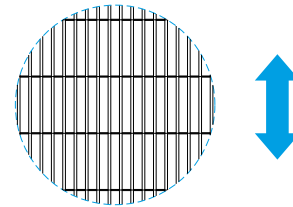
Standard format dimensions:
 1. 1200// x 1200 (leading)
 2. 1200// x 600
 3. 600// x 1200
 4. 600// x 600



Supplementary format dimensions:
 5. 1200// x 900
 6. 900// x 1200
 7. 900// x 900
 8. 900// x 600
 9. 600// x 900



Direction of the slot:



We offer a standard range of grille sizes to minimise waste but please do call to discuss your specific needs and bespoke options.

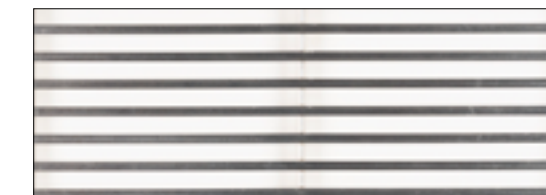
MATERIAL AND FINISH

Material	DECO panel design	Open area	Finish
Carbon steel with zinc / aluminium coating	INTRAgrille T2250/66	75.0%	Powder Coating* (available colour options are colours included in the standard range of RAL)
	INTRAgrille T4545/80	62.4%	
	INTRAgrille T4545/105	68.6%	
	INTRAgrille T4545/155	76.5%	
AISI 304 stainless steel	INTRAgrille T3545/65	65.0%	Pickling and Passivation
	INTRAgrille T3545/115	76.6%	
	INTRAgrille T3545/165	82.5%	

Finishes

The zinc / aluminium coating on our carbon steel grilles provides the highest degree of protection compared to conventional galvanised coatings.

Carbon steel grilles can also be powder coated to any colour in the standard range of RAL. Please enquire for details.



Pickled and Passivated Stainless Steel



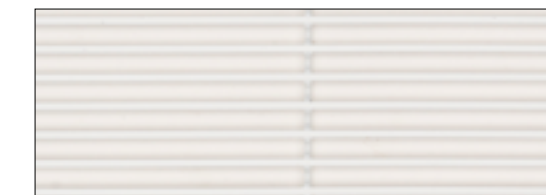
Black Steel with Pro-ZINAL® coating



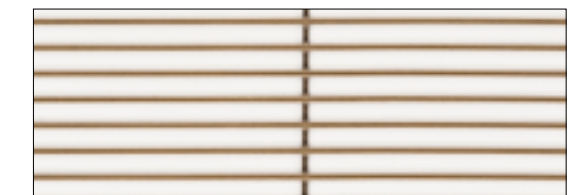
Black RAL9005



Anthracite RAL7016



White RAL9003



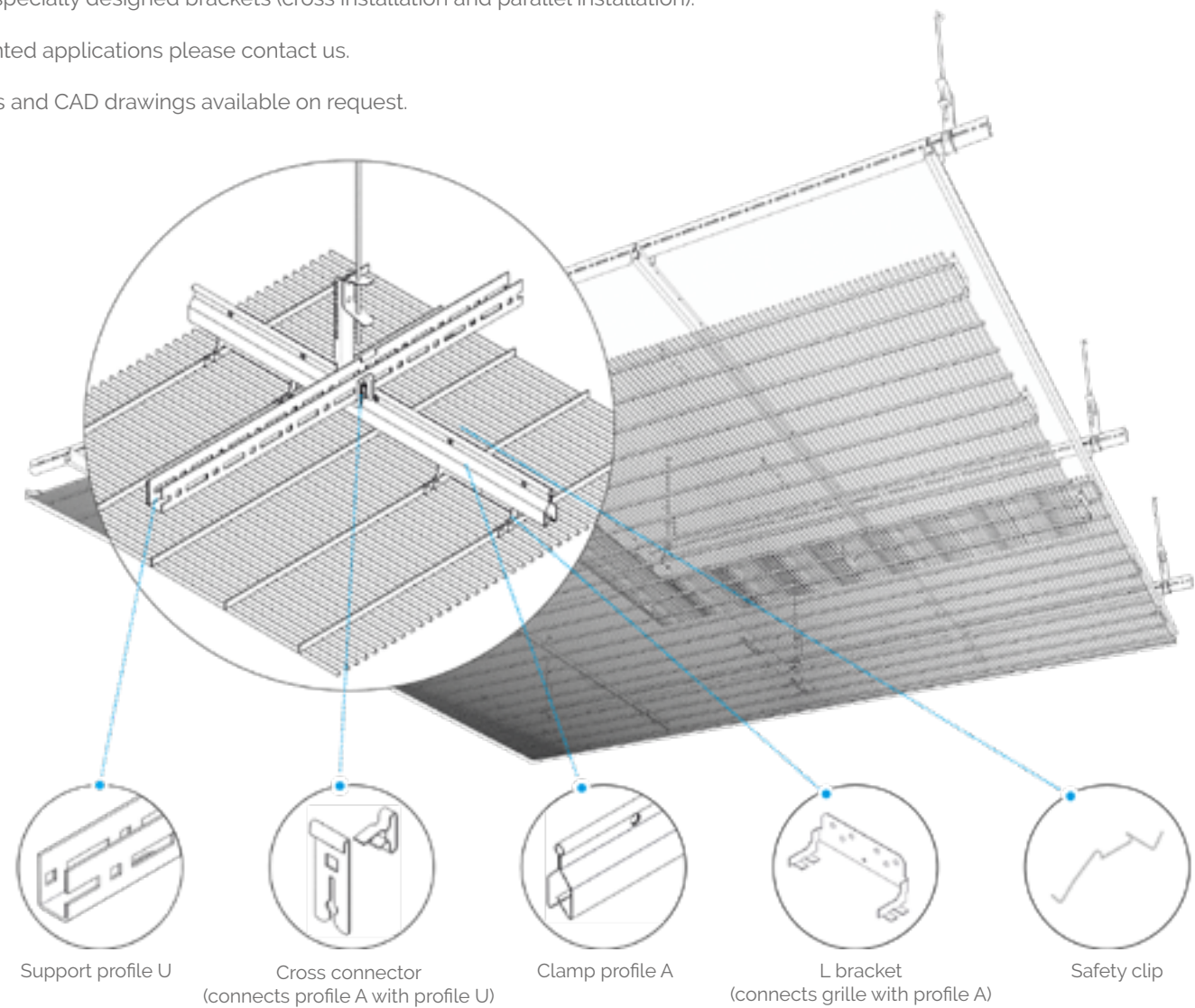
Bronze Tiger Drylac C33 068/66907

MOUNTING SYSTEM

The INTRAGrille Ceiling Clip System allows panels to be quickly and easily mounted to standard bearing structures with the use of specially designed brackets (cross installation and parallel installation).

For creative and wall mounted applications please contact us.

Full installation instructions and CAD drawings available on request.

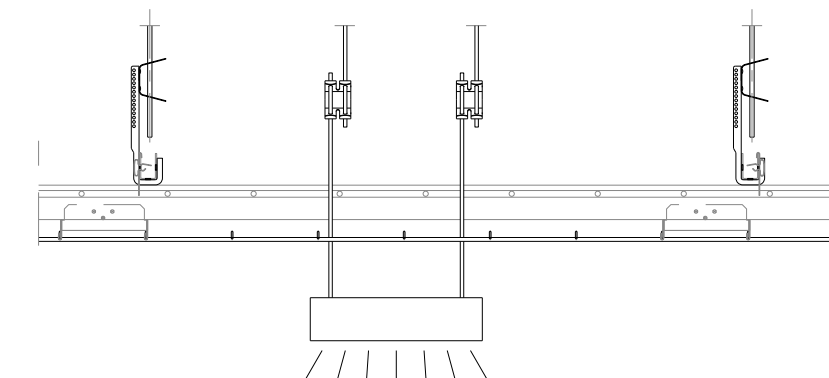


16 .

LIGHTING

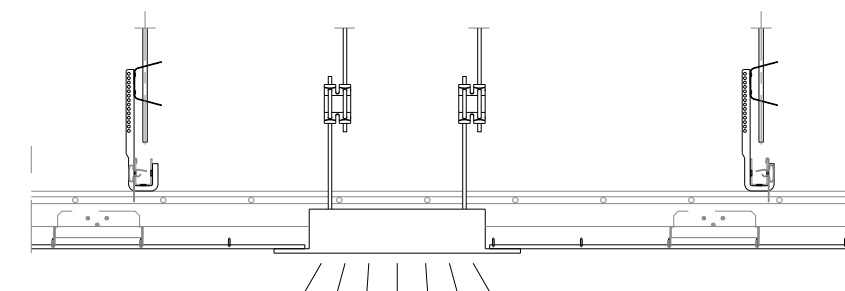
Recommended installation:

It is recommended to install lighting systems below the surface of the ceiling grilles. The lighting system should be installed using independent hangers, passing through the slots in the grilles.



Alternative installation:

To install a lighting system flush with the surface of the ceiling grilles it is necessary to cut a hole in the grille - we can provide this service for you. Lighting should be suspended from the original ceiling using an independent structure, or, possibly, from the reinforced load-bearing structure. It is recommended to equip the lamp with a flange to mask the cut wires.



Installing a lighting system above the ceiling surface is not ideal, as there is no direct access and the system would need to be dismantled for maintenance.

17 .

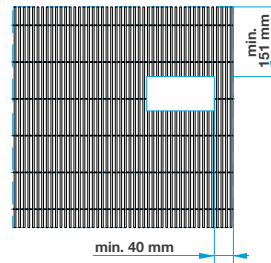


LIGHTING

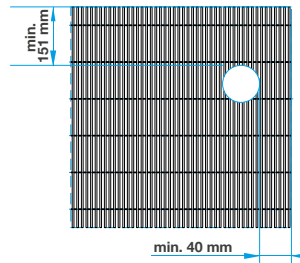
Incorporating lights into the grilles - hole cut out

Hole cut at the appropriate distance from the edge of the grille, cut wires protected with paint.

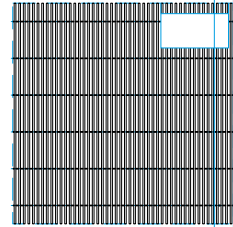
✓ **CORRECT**



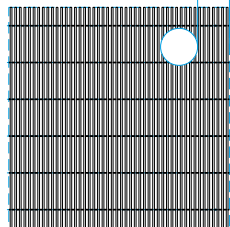
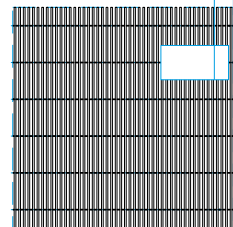
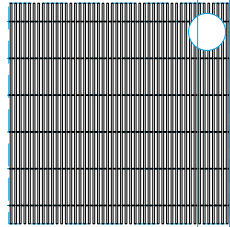
✓ **CORRECT**



✗ **INCORRECT**

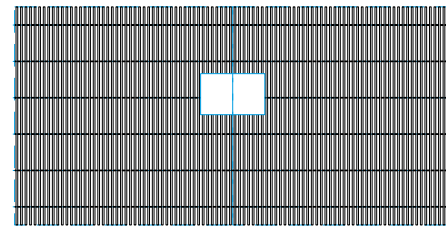


✗ **INCORRECT**

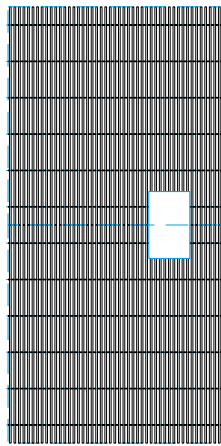


Hole cut out on the connection of two adjacent panels

✓ **CORRECT**



✓ **CORRECT**



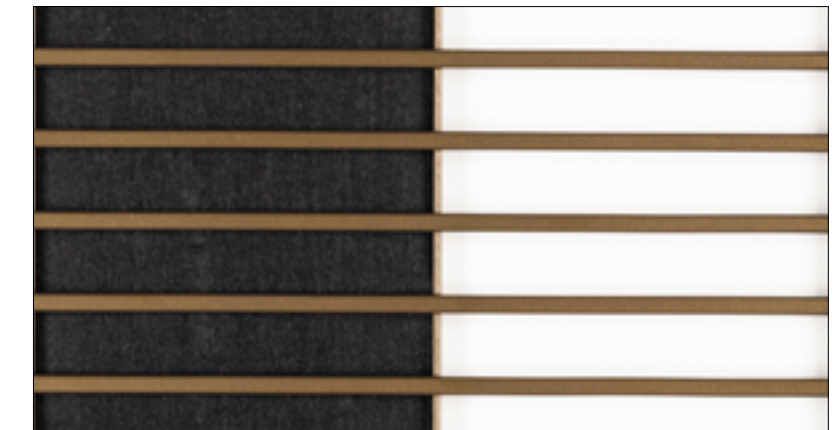
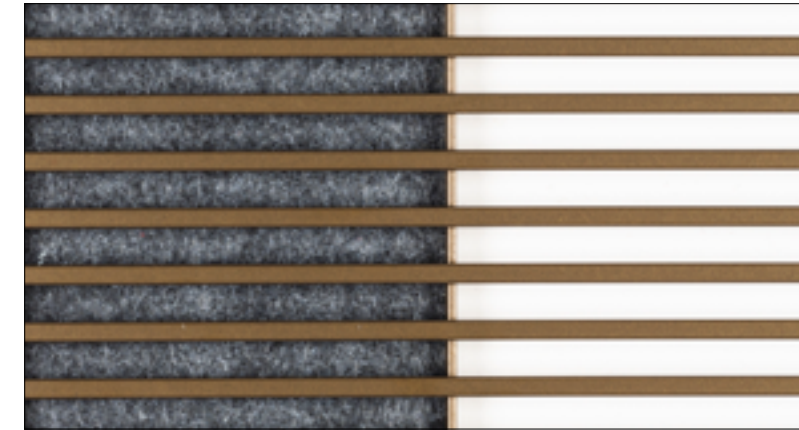
Holes can only be cut within strictly defined areas in the grille, as presented in the figures here. If lights are positioned within the area of the grille which is impractical to cut it may be necessary to adopt another division or consider surrounding the lights at the design stage.

Where lights are to be incorporated into the grille, the cut ends/edges must be protected against corrosion.

ACOUSTIC AND CREATIVE

INTRAsystems Creative Ceilings can be used to provide a range of functional benefits whilst creating unique visual effects.

Screen service provisions, incorporate acoustic inserts, coloured panels, wood, moss or lighting. The applications are only limited by your imagination.



STANDARDS AND CERTIFICATES

INTRAsystems Creative Ceilings are produced in accordance with the Quality Management System ISO 9001:2008, certified by Lloyd's Register Quality Assurance (LRQA) since 1996.

INTRAsystems Creative Ceilings have an EC Certificate of Conformity in accordance with standard PN-EN 13964:2005.

Steel ceiling panels are classified as non-flammable and fire-retardant according to PN-EN 13501-1+A1:2010. They belong to Class A1 of reaction to fire (for unpainted ceilings only).

Resistance to corrosion

All elements of the metal structure, such as the profiles of the grid, wall connection profiles or hangers have, as a standard, resistance class A and B (according to PN-EN 13964).

Class A – up to 70% relative air humidity, maximum temperature in the room 25°C, no influence of the aggressive environment.

Class B – up to 90% relative air humidity, maximum temperature in the room 30°C, no influence of the aggressive environment.

Reaction to fire

Classification with respect to reaction to fire, according to PN- EN 13501-1+A1:2010 includes:

- metal tiles without any organic coatings: class A1 product
- metal tiles covered with single coat paint: class A2-s2, d0 product
- load-bearing grid and hangers made from electroplated steel without any organic coats: class A1 product
- wall connection profiles covered with single paint coat: class A2-s2,d0 product

