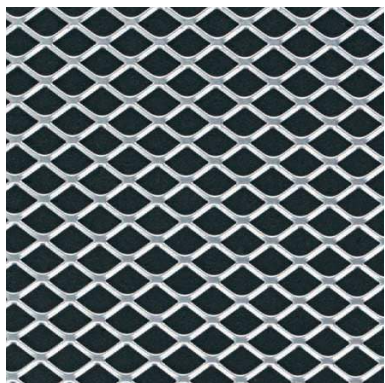




pinta expanded metal systems for interior design are both visually attractive and functional. A unit consisting of pinta SQUARELINE with a fixed integrated pinta glass fleece or pinta CASSETTE INSERT can be combined with other system components in a variety of different ways.

>> Service

- Call our telephone hotline for advice on your individual situation.



Visual innovation with optimum acoustics – ceiling design made easy!

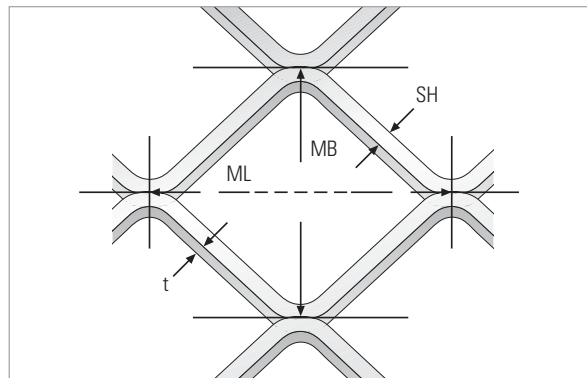
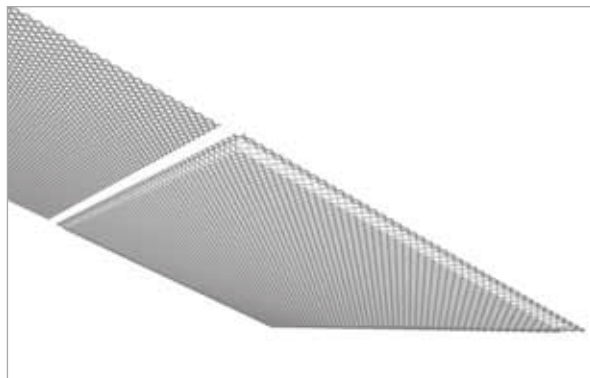
For your office, entrance hall or showroom: Whatever the situation, if you are looking for an attractive and elegant solution, pinta acoustic expanded metal systems are the product for you.

pinta SQUARELINE, made from expanded metal, is combined with a fixed integrated pinta glass fleece or pinta CASSETTE INSERT to create a functional unit. Many interesting combinations can be created using system components such as the pinta SQUARELINE lighting range. pinta SQUARELINE benefits from quick and easy installation in all commercially available 24 mm T-grid systems.



>> Choose from a range of alternatives:

- pinta QUADROLINE
- pinta EXPANDEDLINE
- pinta EXPANDEDLINE MEDIUM



Product advantages

- Environment-friendly, being free of synthetic and natural fibers, halogens and CFCs
- Low weight < 3.00 kg/m²
- No tools needed for replacement
- Easy installation in any 24 mm T-grid system
- High luster metal effect
- Exceptional sound absorption over a wide frequency spectrum thanks to the integrated CASSETTE INSERT
- No risk of crumbling thanks to high ageing resistance
- SQUARELINE grid luminaires suitable for working at visual display screens
- Also available with pinta glass fleece
- Electronic ballasts guarantee high light efficiency and long service life
- BAP-suitable grid lights in SQUARELINE design available

Dimensions

Grid dimensions:

600 x 600 mm

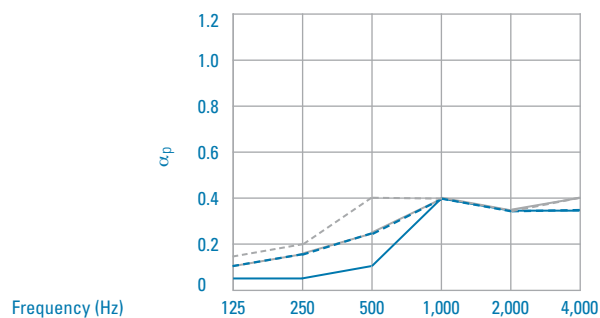
610 x 610 mm (USA)

625 x 625 mm

SQUARELINE product data

Characteristic	Value
Base material	Galvanized steel sheet
Color	chrome-brilliant or white Other colors (RAL) on request.
Weight	2.50 - 2.90 kg/m ²
General test certificate issued by building authorities	P-NDS04-456
Fire rating DIN EN 13501	A2-s1-d0 without insert A2-s2-d0 with insert
Fire rating DIN 4102	B1 (flame-retardant)
pinta CASSETTE INSERT	thickness: 5 mm Other thicknesses on request. Color: grey or black
pinta glass fleece	Color: white, grey or black Please note: white glass fleece is not suitable for holohedral installation.
Mesh length [ML]	16 mm
Mesh width [MB]	11 mm
Profile height [SH]	1.75 mm
Material thickness [t]	1.00 mm
Free cross section	68.20 %

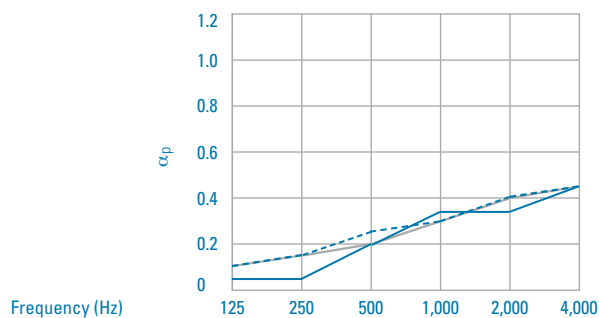
Sound absorption coefficient α_p , pinta SQUARELINE with pinta glass fleece, ceiling cloud*, according to DIN EN ISO 11654



Plenum space 100 mm	α_p	0.05	0.05	0.15	0.40	0.35	0.35
Plenum space 200 mm	α_p	0.10	0.15	0.25	0.40	0.35	0.35
Plenum space 300 mm	α_p	0.10	0.15	0.25	0.40	0.35	0.40
Plenum space 500 mm	α_p	0.15	0.20	0.40	0.40	0.35	0.40

* Wall-joint-free solution.

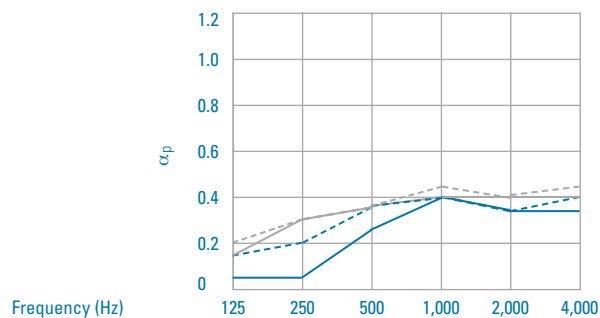
Sound absorption coefficient α_p , pinta SQUARELINE with pinta CASSETTE INSERT, thickness = 5 mm, ceiling cloud*, according to DIN EN ISO 11654



Plenum space 100 mm	α_p	0.05	0.05	0.20	0.35	0.35	0.45
Plenum space 200 mm	α_p	0.10	0.15	0.25	0.30	0.40	0.45
Plenum space 300 mm	α_p	0.11	0.15	0.20	0.30	0.40	0.45
Plenum space 500 mm	α_p	0.20	0.25	0.25	0.30	0.40	0.50

* Wall-joint-free solution.

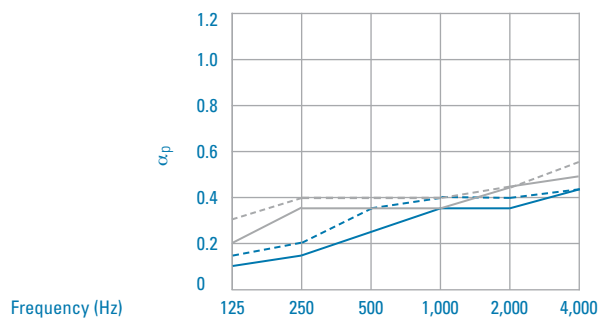
Sound absorption coefficient α_p , pinta SQUARELINE with pinta glass fleece, closed ceiling*, according to DIN EN ISO 11654



Plenum space 100 mm	α_p	0.05	0.05	0.25	0.40	0.35	0.35
Plenum space 200 mm	α_p	0.15	0.20	0.35	0.40	0.35	0.40
Plenum space 300 mm	α_p	0.15	0.30	0.35	0.40	0.40	0.40
Plenum space 500 mm	α_p	0.20	0.30	0.35	0.45	0.40	0.45

* Wall-to-wall solution.

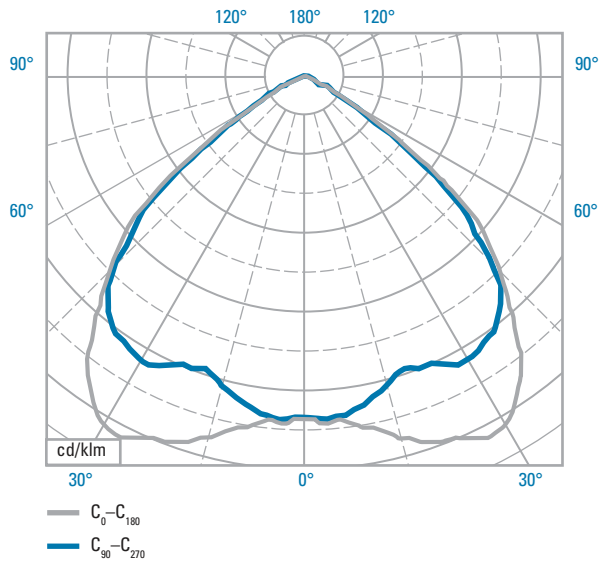
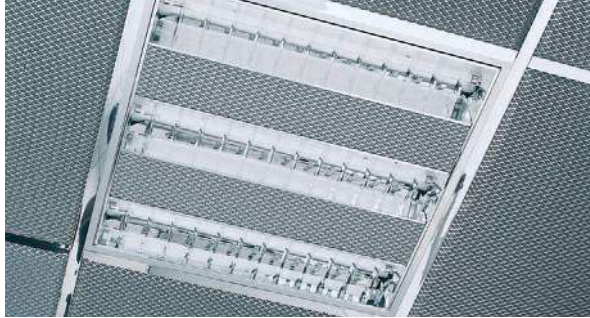
Sound absorption coefficient α_p , pinta SQUARELINE with pinta CASSETTE INSERT, thickness = 5 mm, closed ceiling*, according to DIN EN ISO 11654



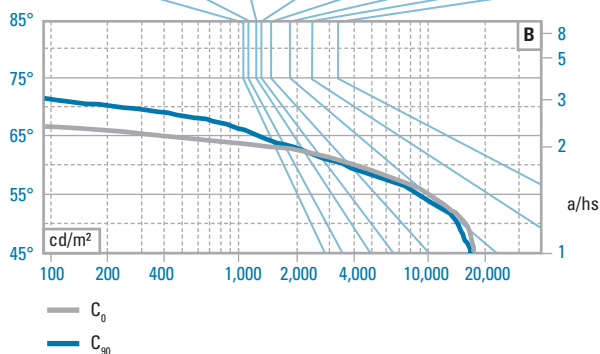
Plenum space 100 mm	α_p	0.10	0.15	0.25	0.35	0.35	0.45
Plenum space 200 mm	α_p	0.15	0.20	0.35	0.40	0.40	0.45
Plenum space 300 mm	α_p	0.20	0.35	0.35	0.35	0.45	0.50
Plenum space 500 mm	α_p	0.30	0.40	0.40	0.40	0.45	0.55

* Wall-to-wall solution.

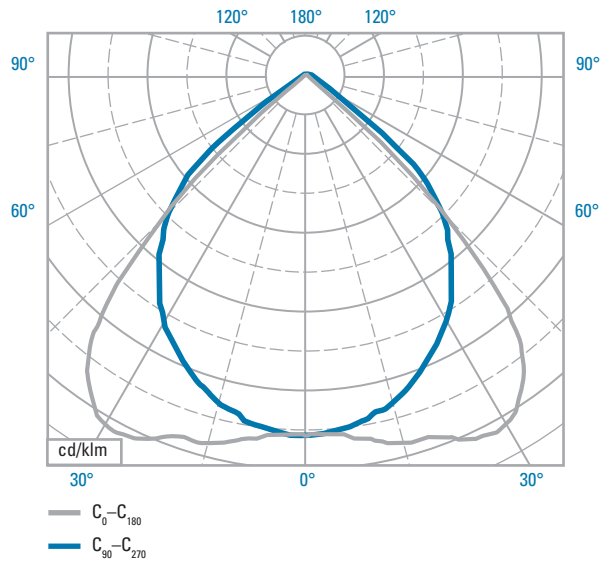
pinta SQUARELINE BAP grid light



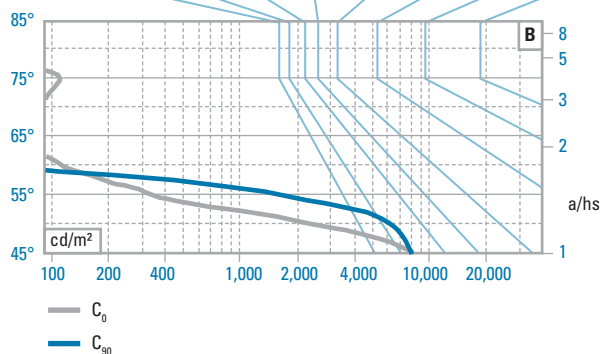
DIN	CIE	Nominal illuminance [lx]							
A	A	1,000	750	500	<=300				
1	B	2,000	1,500	1,000	750	500	<=300		
2	D					2,000	500	500	<=300
3	E						2,000	2,000	500



pinta SQUARELINE Down-Light



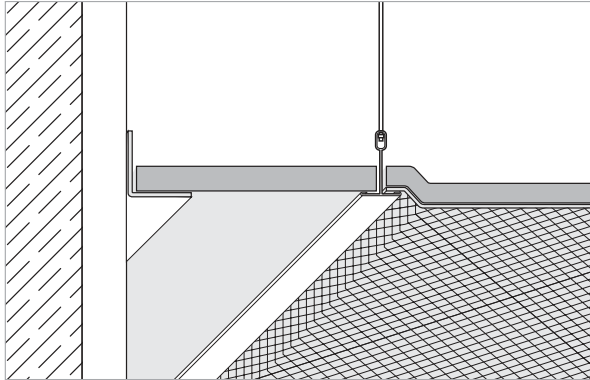
DIN	CIE	Nominal illuminance [lx]							
A	A	1,000	750	500	<=300				
1	B	2,000	1,500	1,000	750	500	<=300		
2	D					2,000	500	500	<=300
3	E						2,000	2,000	500



>> Please note

Product details are based on our current knowledge and experience. In view of the wide range of possible applications, all information is provided without obligation and does not constitute a guarantee of prop-

erties. This also applies to any proprietary rights of third parties. We reserve the right to make technical changes in line with progress.



Detail of wall joint

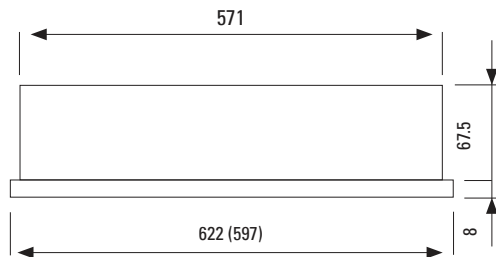


Fig. 1

Installation advice

pinta SQUARELINE standard ceiling tiles have a bevelled edge. pinta SQUARELINE platines are suitable for cut-outs or edges of the ceiling. pinta SQUARELINE platines are not suitable for installation on the complete ceiling. pinta SQUARELINE is mounted in a commercially available 24 mm T-grid system. The correct mounting direction must be observed (direction is stamped on the edge of the element). Gloves should be worn when installing pinta SQUARELINE to avoid getting dirt on the panels.

The SQUARELINE BAP grid luminaire is connected from above or from the side with a Wieland GST 18i3 plug (see Fig. 2). To change lamps, unlock the grid by releasing two of the four clips. After unlocking, lower the grid, allowing it to hang down (see Fig. 3). A ceiling clearance of at least 300 mm is needed to insert the luminaire in the rail system (Fig. 4). The grids of BAP grid luminaires are covered with a protective film. The luminaire may therefore be installed at any stage of the construction process. Nevertheless, clean cotton gloves should be worn when installing. The luminaire weighs 5.4 kg and comes factory-fitted with 3 x TL-5 (14 Watt) lamps.

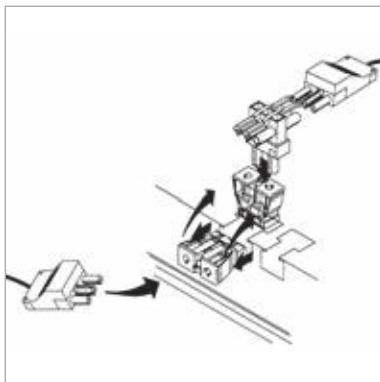


Fig. 2

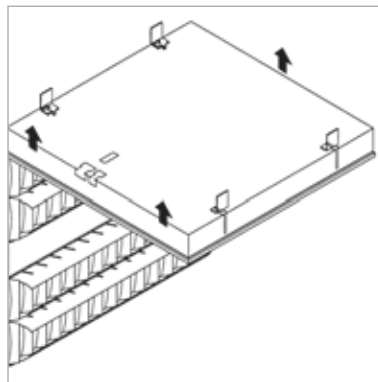


Fig. 3

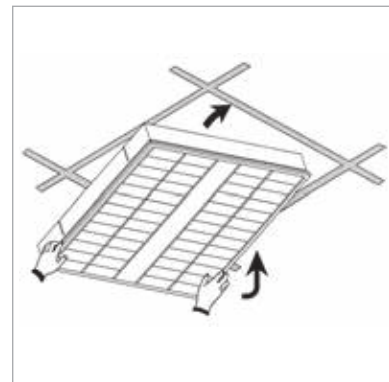


Fig. 4

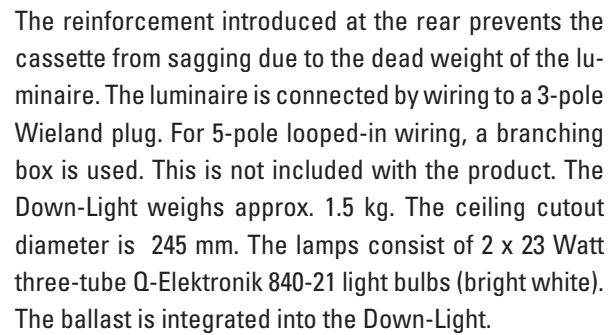
>> Information

Maximum size

- 625 x 625 mm center-to-center grid

Wall joints

- Jointing to plaster frieze
- Jointing to troffer
- Jointing to wall via pinta SQUARELINE Platine
- Wall-joint-free solution as ceiling cloud



> Combination products

- pinta TT profile system
- pinta TT linear grid

Checklist

Material

Electrolytically galvanized expanded metal, mesh type: SQUARELINE. Powder-coated in the standard colors chrome-brilliant or white (similar to RAL 9010). With factory-glued pinta glass fleece or pinta CASSETTE INSERT, d=5 mm. willtec FM: Soft foam on a melamine resin base with mineral impregnation.

Building material class B1 (flame-retardant) according to DIN 4102.

General test certificate issued by building authorities: P-NDS04-456.

- ☐ SQUARELINE stamped (recessed edge)
☐ SQUARELINE Platine (flat element)

Rough ceiling height: _____ m

Suspension height: _____ mm

Color

- ☐ chrome-brilliant
☐ white (similar to RAL 9010)
☐ Expanded metal in special color, RAL _____

Grid dimension

- ☐ 600 x 600 mm
☐ 610 x 610 mm (USA)
☐ 625 x 625 mm

Acoustic insert

- ☐ without acoustic insert
☐ with pinta glass fleece, grey
☐ with pinta glass fleece, black
☐ with pinta glass fleece, white
☐ with pinta CASSETTE INSERT, grey
☐ with pinta CASSETTE INSERT, black

☐ Grid luminaire lighting system

Grid luminaire lighting system suitable for working at visual display screens, with mirror finish parabolic reflector grid, electronic ballast and TL-5 lamps, with integrated pinta SQUARELINE ceiling system element. Luminaire body: made from rigid white stove-enameled steel sheet, height 67.6 mm. Luminaire comes factory-fitted with 3 x TL-5 (14 Watt) lamps.

Lighting color

- ☐ Warm tone (830)
☐ White (840)
 ENEC, F-symbol, IP 20, class of protection I, interference suppression.
 Type: pinta 625-314HF-P/8x0/C6-60°.

☐ Down-Light lighting system

Down-Light installation for electronic ballast lamps. Luminaire includes projecting glass decor ring and comes factory-fitted with 2 x 23 Watt three-tube Q-Elektronik 840-21 light bulbs (bright white), E27 socket. Ready for connection with external 3-pole Wieland quick connector GST 18i3. Cover ring color: RAL 9006.

☐ Edge detail

Edge formation from pinta SQUARELINE Platine ceiling system, powder-coated in the standard colors chrome-brilliant or white (similar to RAL 9010)

Color

- ☐ chrome-brilliant
☐ white (similar to RAL 9010)
☐ Expanded metal in special color, RAL _____

>> Contact / Enquiries

Company stamp:

Quantity:

m²



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