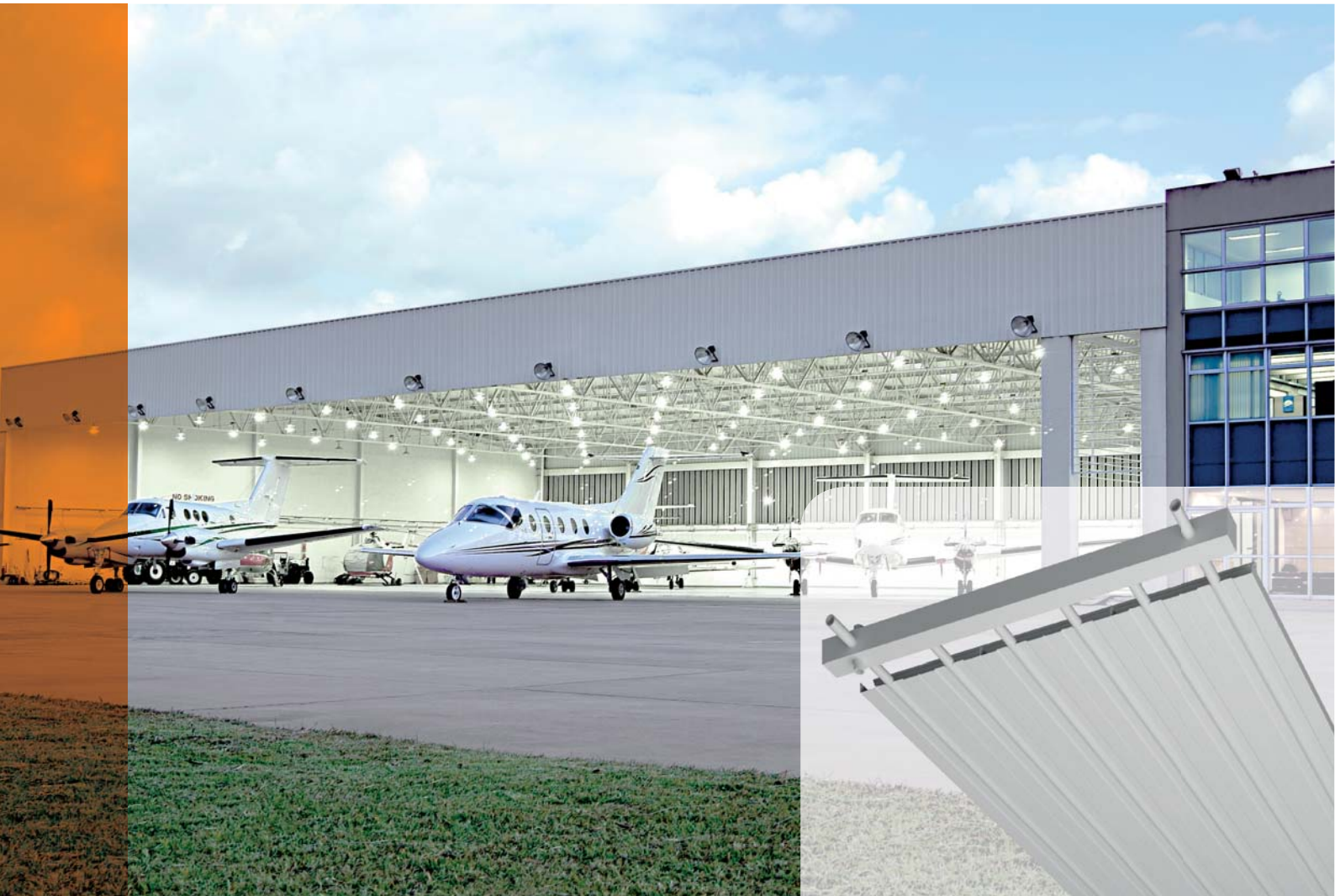


RADIANT CEILING PANELS. EFFICIENT RADIATION HEAT.



HOW TO PROVIDE **QUALITY RIGHT TO THE POINT?**

More than 60 years ago, the founders of Arbonia had one aim in mind: Providing fellow humans with "warming" solutions. But today our aim is much broader. Arbonia is a brand for heat requirements and fulfils highest expectations in public and business buildings. But we still adhere to the high standards of our founders: Customer support and solutions that are right to the point. What does this precisely mean? That's simple: We comply with supply and date arrangements in every detail. Starting with high-quality packaging as important component of the Arbonia standard of quality. The processing quality and the long

service life of our products have been convincing our customers for years now and are conform with the high requirements of currently valid regulations and standards. Individual customer service and highest possible flexibility of form and colour design are for us a matter of course. Our design expertise shows this, being acknowledged constantly by many awards. We at Arbonia develop all of this consistently and with passion – to provide you with precisely the room temperature solution that you need.

right to the point 



CONTENT

4 Arbonia Quality

5 Arbonia Service

6 Applications

7 Delivery programme

8 Benefits

10 Colours

11 Technical data



Flexible and safe:
The main application range
of our radiant ceiling panels



Ceiling

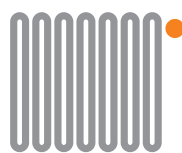
ABSOLUTELY UNIQUE: ARBONIA QUALITY.

When manufacturing our products, we have one thing especially in mind: consistent quality assurance and product optimisation. Using state-of-the-art manufacturing plants and our long-term experience, we can consistently provide high product quality. Thus we are pioneers in this product environment.



Production / Manufacturing

- Maximum individuality
- State-of-the-art manufacturing plants
- High manufacturing capacity
- High energy efficiency



Products

- Reliability and long service life
- Highest surface quality
- Appealing visual effect
- Innovative solutions
- Customer-specific versions



Packaging and transport

- Optimum protection for corners, surfaces and connections
- Comfortable handling
- Transport safety
- Sustainable and environmentally safe disposal



Installation

- Easy and fast
- Systems tuned to the product
- Flexible fixing options
- High safety

Acknowledged quality

Our company and our products are tested and certified by independent institutions. These are for example:



- Uncompromising quality assurance system in accordance with DIN EN ISO 9001:2008
- Responsible environmental management in accordance with DIN EN ISO 14001:2004
- Energy management system in accordance with DIN EN ISO 50001:2011

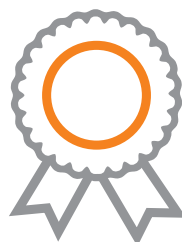
COMPREHENSIVE AND COMPETENT: ARBONIA SERVICE.

We advice and support you in all your needs, from planning and ordering to realisation and implementation. Our highly ambitious employees offer you comprehensive service that fulfils highest demands.



Consultation and logistics

From indoor climate planning to implementation: You can count on the competence of our technical advisors – as well as on our precise logistics. For us delivery reliability means that we deliver precisely at the agreed place and time.



Awards

Arbonia convinces: Our high design expertise and innovation show this, being regularly acknowledged with highly popular awards in the sector. We are pleased with this, of course, and for you this is a good orientation.



Warranty and safety

Committed to quality: We are consistently committed to the premium quality of our products.



Online Service

Comfortable service for you: our EDP solutions make life a bit easier for you. Visit us online on our website www.arbonia.com



EFFICIENCY FOR MANIFOLD USE: RADIANT CEILING PANELS.

The energy-efficient solution for commercial and industrial buildings: Heating with heat radiation offers the benefits of absolutely noiseless operation, no air circulation and even temperature distribution in the entire room. Heat radiation – the mechanism of radiant ceiling panels has been developed following the sun's physical functioning and consequently this almost natural heat is considered as a very cozy warmth by us. In addition, Arbonia provides a very flexible stock programme that adapts to your individual needs.

Applications:

- Workshops and production halls
- Showrooms and salesrooms
- Storage halls
- Sports centres
- Schools
- Shopping centres
- Logistics centres
- Aircraft hangar





Delivery programme:

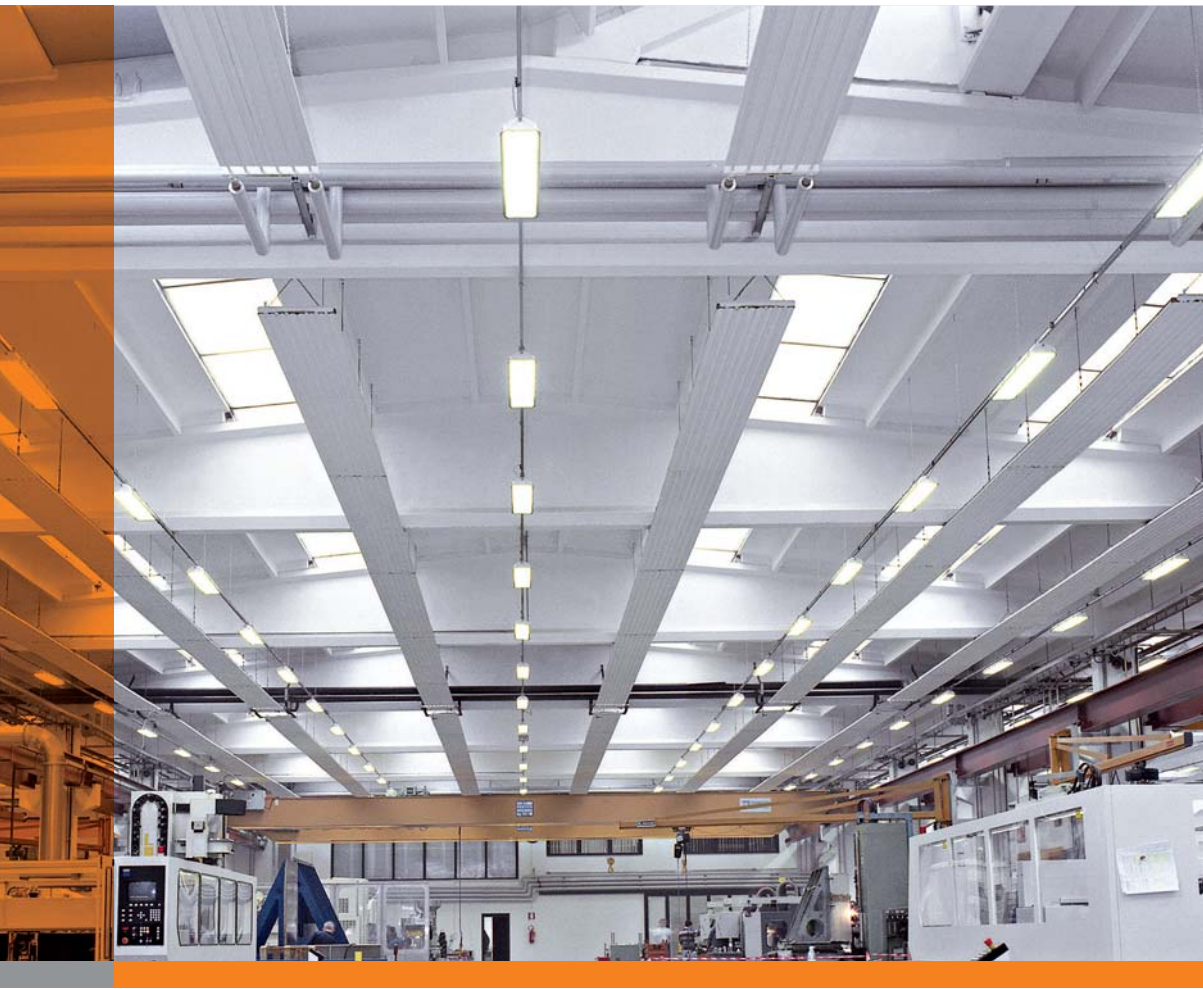
- 2 pipe distance: 100 and 150 mm
- Module lengths: 2 m to 6 m
- 4 depths: 300, 600, 900, 1200 mm

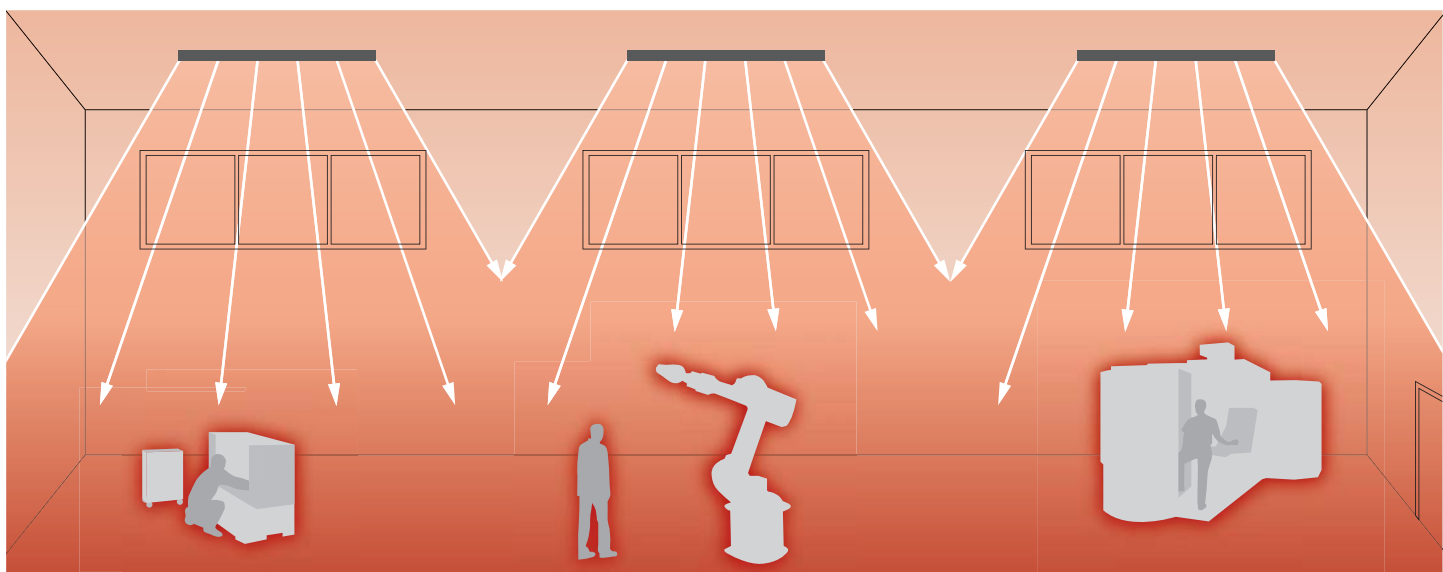


ENERGY SAVINGS THAT JUST FEEL GOOD: YOUR BENEFITS.

Radiation heat means energy savings, because the heat directly acts on humans, wall and floor, and air is only heated indirectly. Radiant ceiling panels heat and cool following the natural principle of the sun – with a radiated portion of up to 80 %. This effect provides a very comfortable and cozy climate.

If you are in the range where radiation is exchanged with the heat source, you can feel the direct heating or cooling. But there are no unpleasant draughts. Thanks to radiation heat, the temperature felt in heating operation is approximately 3-4 Kelvin higher than the actual room temperature. In cooling operation, it is about 2-3 Kelvin lower. Consequently energy consumption decreases. Compared to air heating, an energy savings potential of up to 30 %, however with the same felt temperature, can be achieved. The operation of radiant ceiling plates is silent, without whirling up dust. This means, on the one hand, less cleaning costs and, on the other hand, a healthy room climate as well as protection from possible dust explosions in hazardous areas.





ENERGY-EFFICIENT AND COMFORTABLE: THE SUN'S RADIATION PRINCIPLE.

- Energy savings up to 30 %
- No draughts
- Developed after the natural principle of the sun
- Suitable for low temperature systems
- Suitable for cooling
- Building's useful space is not diminished
- Room temperature can be designed 3-4 Kelvin lower
- Low temperature layering thanks to high radiation portion



All benefits at a glance:

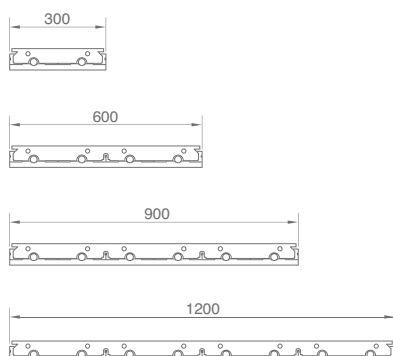
- Energy savings
- Silent operation
- Precise temperature control in all parts of the room
- Durability of system, no maintenance required
- Easy installation and mounting
- High heat radiation output

INFINITELY DIVERSE: OUR COLOURS.

Whether gentle turquoise, strong yellow or modern grey: With our products you can set colourful accents. In the colour that you want: Our wide range of colours leaves no wishes unfulfilled.



Model DEP12

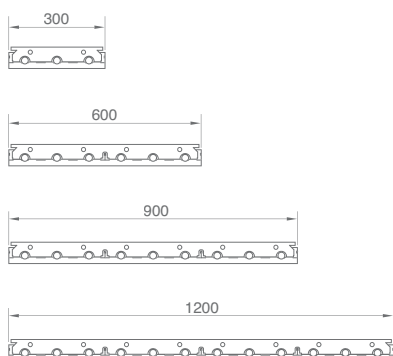


DEP12-030 DEP12-060 DEP12-090 DEP12-120

Depth in mm:	300	600	900	1200
Pipe distance in mm:	150			
Pipe dimension:	1/2"			
Number of pipes:	2	4	6	8
Empty weight kg/m:	4	8	12	16
Operating weight kg/m:	4.6	8.9	13.6	18.1
Nominal heat output in W/m: at $\Delta T=55K^*$	162	289	406	543
Material:	Steel			
Colours:	Standard: RAL 9016 – further RAL colours upon request			
Tape length in m:	2 to 100			

*EN 14037 (VL: 80°C; RL: 70°C; RT: 20°C)

Model DEP13



DEP13-030 DEP13-060 DEP13-090 DEP13-120

Depth in mm:	300	600	900	1200
Pipe distance in mm:	100			
Pipe dimension:	1/2"			
Number of pipes:	3	6	9	12
Empty weight kg/m:	6	12	18	24
Operating weight kg/m:	6.8	13.6	20	27.2
Nominal heat output in W/m: at $\Delta T=55K^*$	194	345	501	639
Material:	Steel			
Colours:	Standard: RAL 9016 – further RAL colours upon request			
Tape length in m:	2 to 100			

*EN 14037 (VL: 80°C; RL: 70°C; RT: 20°C)



A leading brand of  AFG

Address:

Arbonia AG

Amriswilerstrasse 50

CH - 9320 Arbon

Phone +41 (0) 71 447 47 47

Fax +41 (0) 71 447 48 47

info@arbonia.ch

www.arbonia.com

Technical specifications subject to change

Because of limitations in the printing process, the illustrated colours are not binding.

