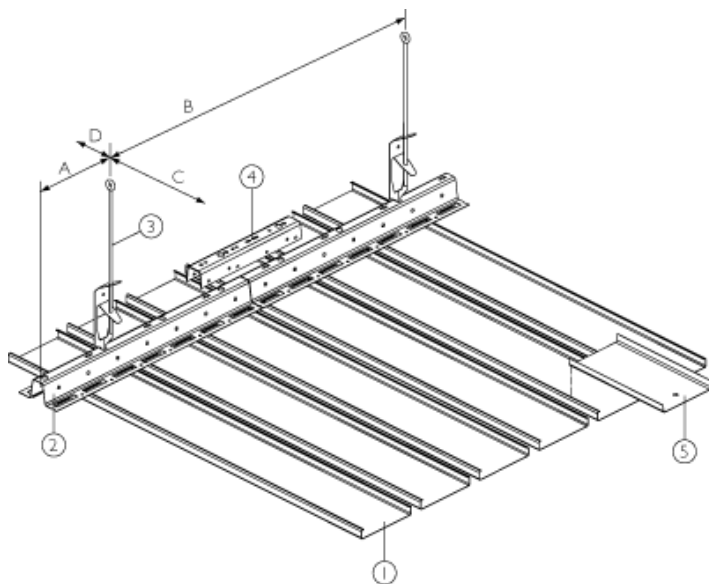


Construction Details - 84B

System overview



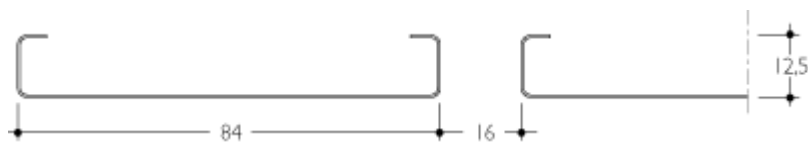
- 1= 84B panel
- 2= carrier
- 3= rod hanger
- 4= carrier splice
- 5= panel splice

Panel type	Carrier span (mm)		Panel span (mm)			
	A	B	on 2 carriers		on 3 or more carriers	
			C*	D	C*	D
84B	300	1700	1450	150	1660	150

* Minus 200 mm in case of acoustic pads.

Characteristics

- Box shaped panels with 16mm wide joints that enhance the linear appearance.
- Panels can be supplied in any length up to 6000 mm (i.e., less joints) and have a thickness of 0.5mm



- Open joint system for any application requiring up to 16% open area.
- Optimal acoustic control by using perforated panels with a non-woven textile membrane bonded to the inside face.
- Panels are lightweight yet strong, made from aluminium which can be recycled for the full 100%, requiring very little energy.
- Demountable panels, which allows full access to services and equipment in plenum.

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Architectural

Panel	Width (mm)	Module (mm)	Min. length (mm)	Max. length (mm)	Weight panels & carriers/m ² *			
					Steel carrier		Alu. carrier	
					Excl. joins	Incl. joins	Excl. joins	Incl. joins
84R	84	100	1000	6000	1.8 kg	2.3 kg	1.7 kg	2.2 kg

* Based on panels installed on 3 or more carriers

Panels from 250 - 1000 mm and >6000 mm are available on request.

- Carriers for non-standard modules are available.
- Panels can also be used for exterior application.
- Base Material: Luxalon® 84B panels are roll formed from 0.5 mm thick pre-painted stove enamelled aluminium strip, alloy HD5050 or equivalent (according to EN 1396, and ECCA standards)
- Coating: the tough and durable 2-layered polyester finish in a nominal thickness of approximately 20 microns, is stove enamelled in a continuous coil-coating process ensuring uniform coating thickness and absolute adhesion

Fire behaviour

Luxalon® metal suspended ceilings are classified incombustible and will therefore not contribute to possible fires. When ceilings however need to protect the structural integrity of the building, Luxalon® ceilings offer a range of practical and tested solutions with regards to fire stability. Further information is available on request.

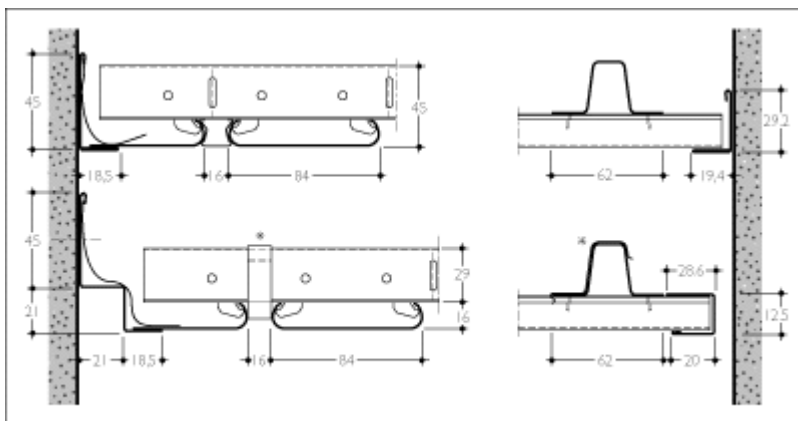
Material per sqm

	Unit	Linear 84R system
Panels	lm	10
Join profiles	lm	10
Carriers	lm	0.59
Carrier splice	pc	0.12
Suspension	pc	0.35

The required number of components depend on individual project requirements

Figures are based on maximum spans

Construction details



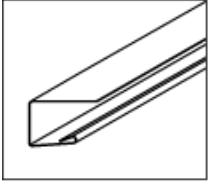
* Luxalon® fixing clip is to be used in combination with an adaptor panel.

Edge profiles

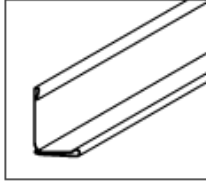
Edge profiles available for the 84R program

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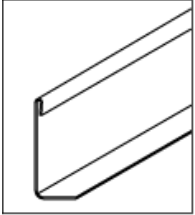
Architectural



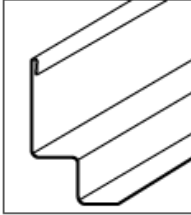
Clip-on U-profile alu
(28.6 x 19 x 20)



Wall L-profile alu
(29.2 x 19.4)



Wall L-profile Fe/Alu
(45 x 18.5)



Wall W-profile Fe/Alu
(45 x 21 x 21 x 18.5)