

ideal  
grilles

## Linear Grilles

### LG 0 / LR 0 Series 0° Blade

#### Product Overview

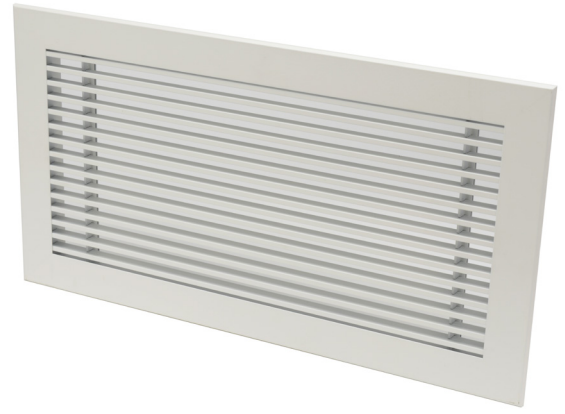
Idealair Series LG 0/LR 0 zero deg blade linear grilles suitable for duct, ceiling and sidewall applications in most commercial projects. When fitted with an opposed blade damper at the rear they become series LR 0 with the damper being adjustable through the front face of the grille.

#### Construction

Frames and blades are manufactured from 6063 T6 extruded aluminium. Frame mitres are mechanically jointed and tig welded on the rear and neck for added strength and rigidity preventing any distortion of the hairline mitres. Grille blades are set at 12.5mm centres, mounted horizontally in the frame or vertically if requested. Where continuous appearance is required, the grille can be manufactured in sections for alignment and assembly on site, please enquire.

#### Size Range

100 x 50mm to 3000 x 500mm nominal size in 50mm increments. Special sizes and multiple units are available on a made to order basis. Please enquire for details.



#### Fixing

Grilles are supplied with countersunk holes as standard. Alternative fixing methods are available on request.

- N** - No fixing provided (fixing by others)
- S** - Countersunk flange holes
- R** - Rear fixing lugs

#### Finish

- MF** - Mill Finish (Standard)
- PPC RAL** - Stock RAL colours available to order

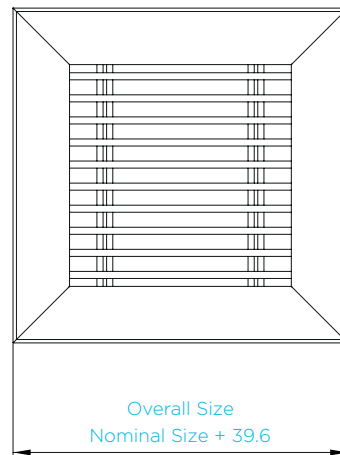
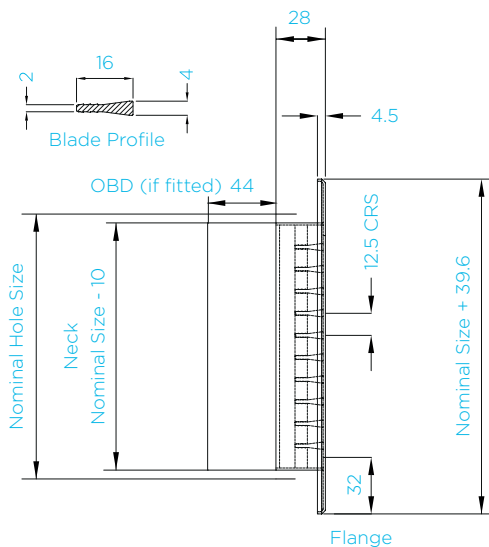
#### Accessories

Please specify the accessories on your order.

- Opposed blade damper (OBD)
- Neck reducers
- Plenum boxes

#### Special Requirements

Where continuous appearance is required, the grille can be manufactured in sections for alignment and assembly on site, please enquire.



All measurements in millimetres (mm)

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## Selection Nomogram

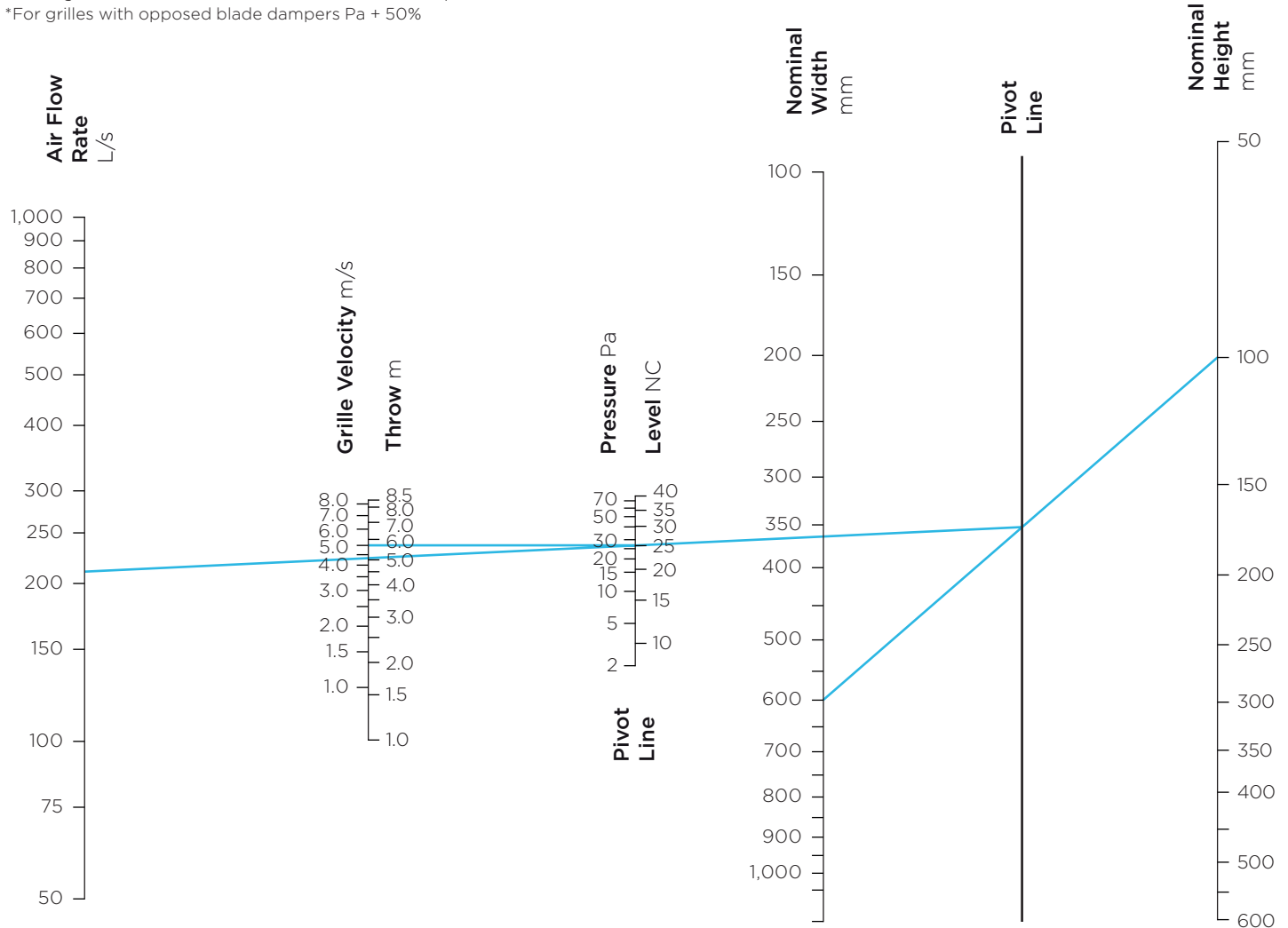
**All data based on:**

\*Terminal velocity 0.4m/s @ stated throw

\*Grilles mounted within 400mm of ceiling > 400mm reduce throw by 1/3

\*dBA figures based on room losses of 8 db for sound power reference 10<sup>-12</sup>W

\*For grilles with opposed blade dampers Pa + 50%



### Example selection

Size	L/s	Velocity m/s	Pa	NC	Throw - m
<b>600 x 100</b>	212	5	28	25	5.9

### Placing an order

Example Product Code					
<b>LGO</b>	<b>O500</b>	<b>O150</b>	<b>NOM</b>	<b>S</b>	<b>MF</b>

Terminal Velocity m/s	0.5	0.4	0.25
<b>Throw Multiplier</b>	0.8	1	1.5

Series		Size mm*		Dimensional Selection		Fixing		Finish	
		Width	Height						
<b>LGO</b>	Grille only	<b>0100</b>	<b>0050</b>	<b>NOM</b>	Nominal opening size or duct size	<b>N</b>	No fixing (fixing by others)	<b>MF</b>	Mill Finish
<b>LRO</b>	Grilles with opposed blade damper fitted	<b>3000</b>	<b>0500</b>	<b>NK</b>	Neck size of the grille	<b>S</b>	Countersunk flange holes	<b>RAL</b>	PPC RAL colours
				<b>AF</b>	Across flange size of the grille	<b>R</b>	Rear fixing lugs		

\*Sizes in 50mm increments  
When ordering please state requirement from each column: Series, Size, Dimensional Selection, Fixing & Finish.