

ideal  
grilles

## Linear Grilles

LG 45 / LR 45 Series 45° Blade

### Product Overview

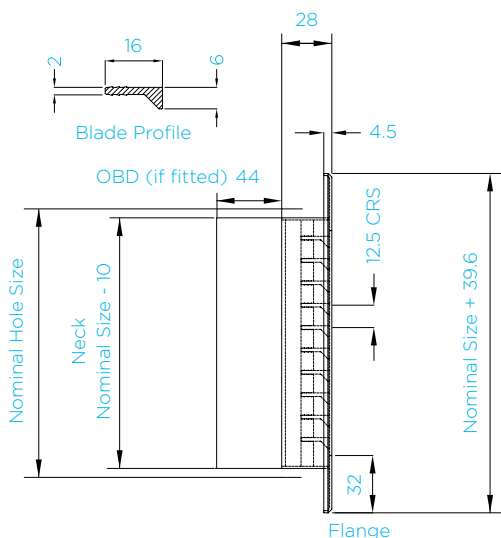
Idealair Series LG 45/LR 45 forty five deg blade linear extract grilles suitable for duct, ceiling and sidewall applications in most commercial projects. When fitted with an opposed blade damper at the rear they become series LR 45 with the damper being adjustable through the front face of the grille.

### 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

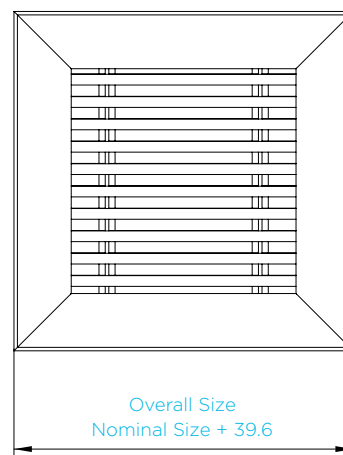
### Accessories

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)

# Linear Grilles

## Placing an order

| Example Product Code |             |             |            |          |           |
|----------------------|-------------|-------------|------------|----------|-----------|
| <b>LG45</b>          | <b>0500</b> | <b>0150</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>LG45</b> | Grille only                             | <b>0100</b> | <b>0500</b> | <b>NOM</b>            | Nominal opening size or duct size | <b>N</b> | No fixing (fixing by others) | <b>MF</b>  | Mill Finish     |
| <b>LR45</b> | Grille 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.