



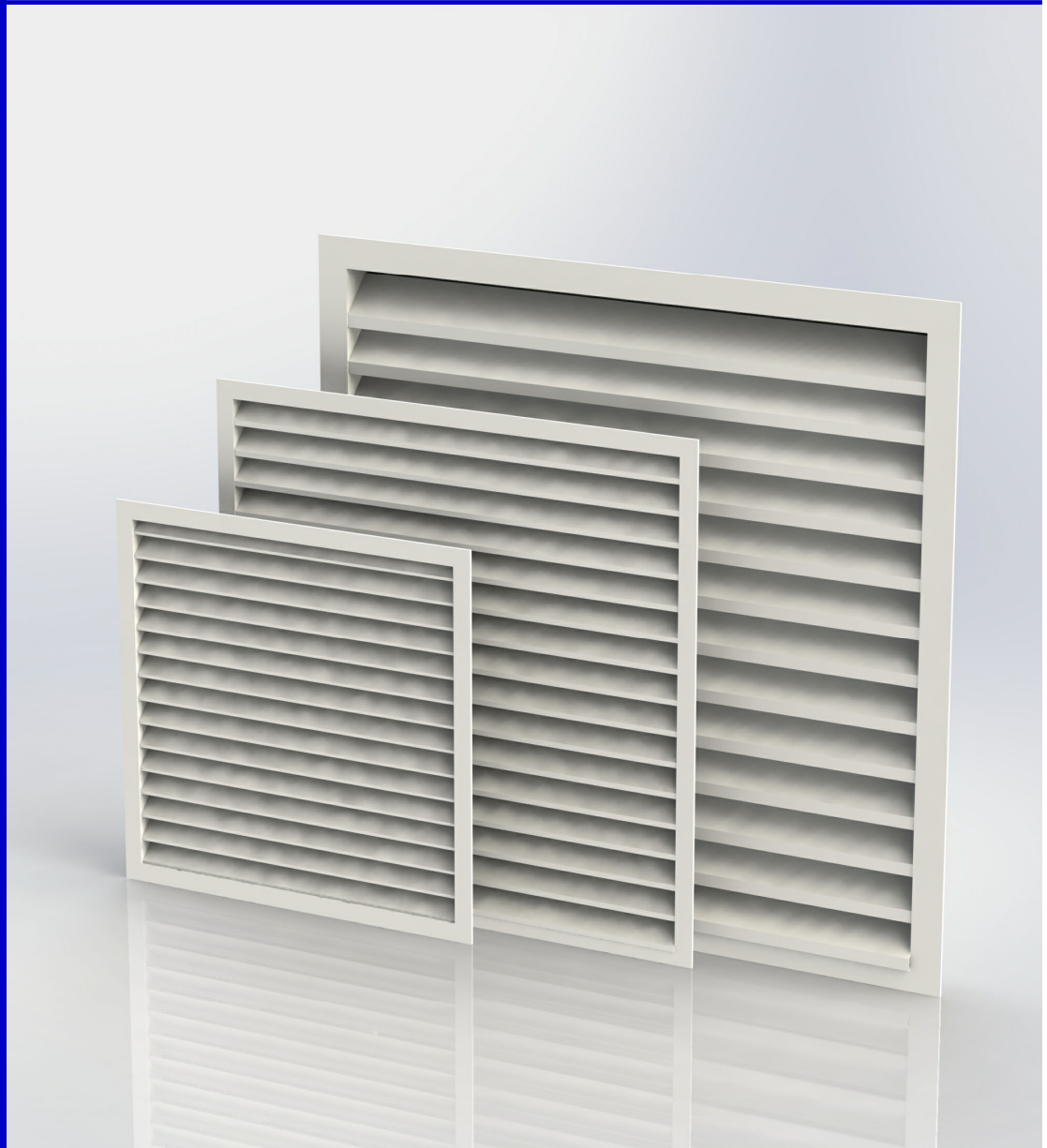
Incorporating



Louvre systems

Series WL Standard weather louvres

- Standard range of single bank louvres as used in countless installations worldwide
- Good resistance to water ingress, with low resistance to airflow
- Approximately 50% free area on all models
- Polyester powder coating to the full range of RAL and BS colours
- WL38's in popular square sizes held in stock for immediate despatch
- Now available with burglar/security bars



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Class A2 rain rejection up to 4 m/s
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Quality assurance

HVC Supplies (Stourbridge) Ltd is an ISO 9001 certified company.



Assessed to ISO 9001
Cert/Ref No. 1186

Series WL

Series WL standard weather louvres are the standard weather louvre used in countless installations throughout the world.

Available in three formats to suit any size installation, all WL types have a single bank of blades with a 45° face for good levels of rain resistance in the majority of conditions. Minimal resistance to airflow is assured with an approximate free area of 50% on all series.

Break points for switching between series (WL50 and WL75 are advised only):

WL38: Up to 1m nominal size (either width or height)

WL50: Up to 2m²

WL75: Anything above 2m²



Design features

Material	Extruded aluminium BZP steel screws or aluminium pop rivets
Sizes	Minimum heights (flanged units, nominal): WL38: 105mm WL50: 125mm WL75: 185mm
Blade	Various pitches (WL38 - 40mm, WL50 - 50mm, WL75 - 75mm) All with 45° face slope
Core	Fixed
Frame	Standard: Flanged Optional: Recessed and reversed
Fixings	Standard: None Optional: See page 8
Finish	Standard: Mill aluminium Optional: See page 14
Mass/m² face area	WL38: 12 kg WL50: 12 kg WL75: 15 kg
Free area	Approx. 50% (varies with size)

Important note:

Free area is not a reliable guide to performance.

It is possible to have two louvres with identical geometric free areas but different airflow characteristics.

Wherever possible use a tested airflow coefficient, as stated on the following page or available in the test certificate WL75 louvres which is available on request.

BSRIA Testing

WL75 standard weather louvres have been tested against:

BS EN 13030:2001

The testing was carried out in April 2013 by BSRIA in Bracknell, Berkshire, England.

Copies of the test reports are available on request.



Performance

Louvres are subjected to simulated rainfall of 75mm per hour, with a wind speed of 13m/s (29mph).

Rain ingress is then measured at various draw speeds through the louvre, this is in addition to the constant 13m/s simulated wind speed.

WL75 louvres were tested with an optional rear mounted drip tray, this will have had negligible impact on airflow but a large impact on rain resistance.

Headline figures are shown here, a copy of the full test report is available on request.

WL75 - DT: (WL75 complete with rear mounted drip tray)

Mean airflow coefficient: 0.252 (Class 3)

Rain rejection: Class C up to approx. 1.4 m/s draw velocity
Class D above approx. 1.4 m/s draw velocity

Stocked sizes

The following sizes of Series WL38 standard weather louvres are held in stock, fitted with bird mesh and in mill aluminium finish available for immediate despatch.

150mm²
200mm²
250mm²
300mm²
350mm²
400mm²
450mm²
500mm²
550mm²
600mm²
700mm²
800mm²
900mm²
1000mm²

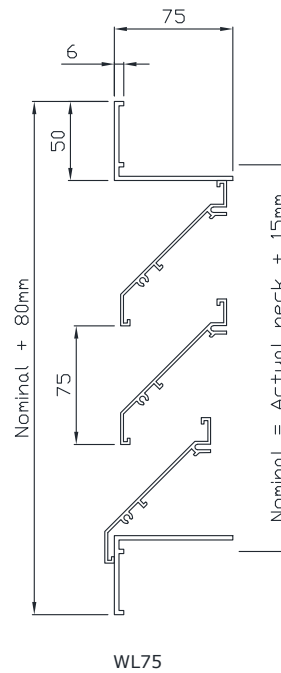
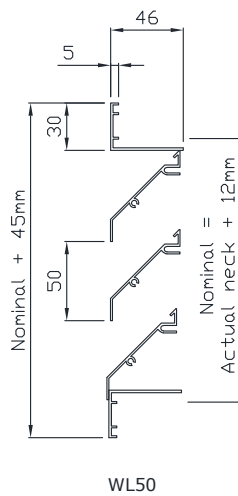
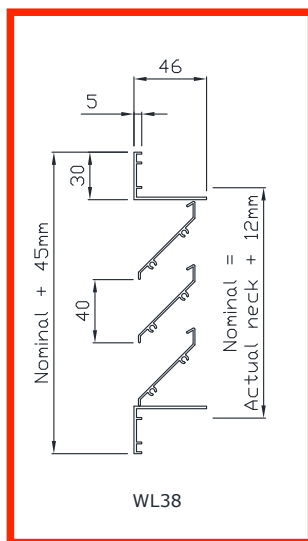
All sizes are nominal (hole size)

Units can be powder coated if a painted finish is required.

Product codes: WL38 - BM - Mill

Technical drawings

Flanged (standard)



Recessed frame - REC (optional)

