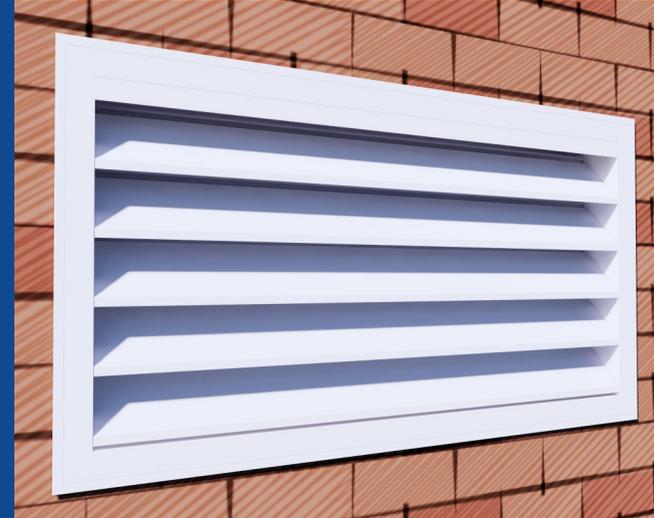# BRIDGE
## LOUVRE
### COMPANY
### LIMITED

# BL090

## Aluminium Louvres







**Website: www.louvre.co.uk**

**Email: sales@louvre.co.uk**

**BL090 Frame Types**

Aluminium extrusions type 6063-T6 to BS1474

- **F099F-** Flanged frame, 50mm flange, total depth 99mm. Suitable for smaller single panels.
- **F099K-** Knife edge/recessed type frame, total depth 99mm. Suitable for smaller single panels.
- **F099R-** Reverse flange type frame, total depth 99mm. Suitable for smaller single panels.
- **F143F-** Flanged frame, 50mm flange, total depth 143mm. Suitable for single panels or multi-section panels. Complete with box section rear mullion support.
- **F143K-** Knife edge/recessed type frame, total depth mm. Suitable for larger single panels or multi-section panels. Complete with box section rear mullion.

Aluminium Louvres with 89mm deep blades at an incline of 45°, a front lip of 12mm, and pitched at 90mm spacing, set in 99mm or 136mm deep frames. Blades are fixed with aluminium clips to the frame jambs. As standard, the louvres are complete with galvanised steel bird guard, with 12.7mm x 12.7mm apertures attached to the rear of the blades.

**Nominal free area**:     60% with bird guard fitted

**Maximum BSRIA weather test rating**  (simulated rainfall of 75mm/hr, wind speed of 13m/sec)

BL090 F143:     86.21% (Class C) with standard bird guard fitted
99.68% (Class A) with standard insect mesh fitted

**Coefficient Data (includes bird mesh)**
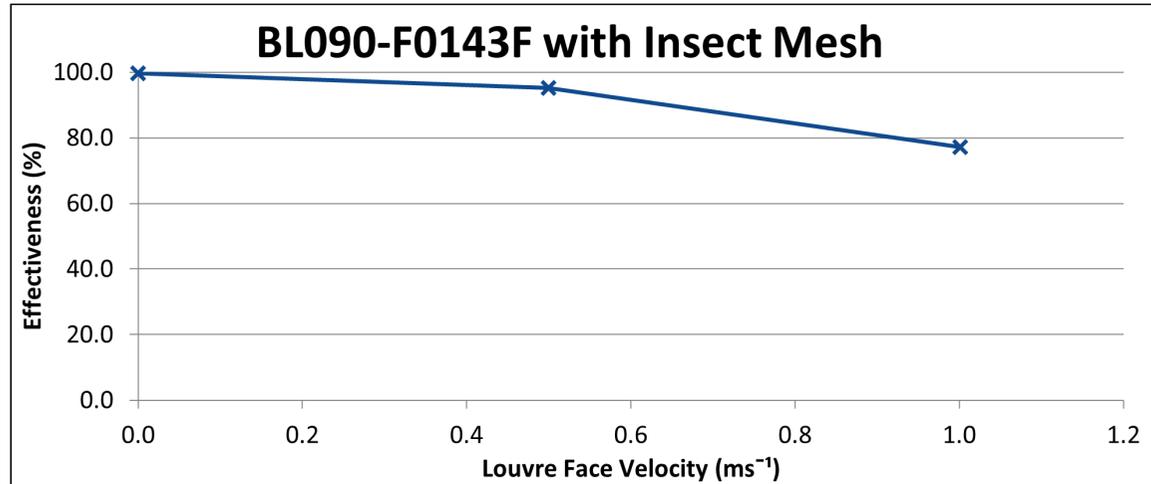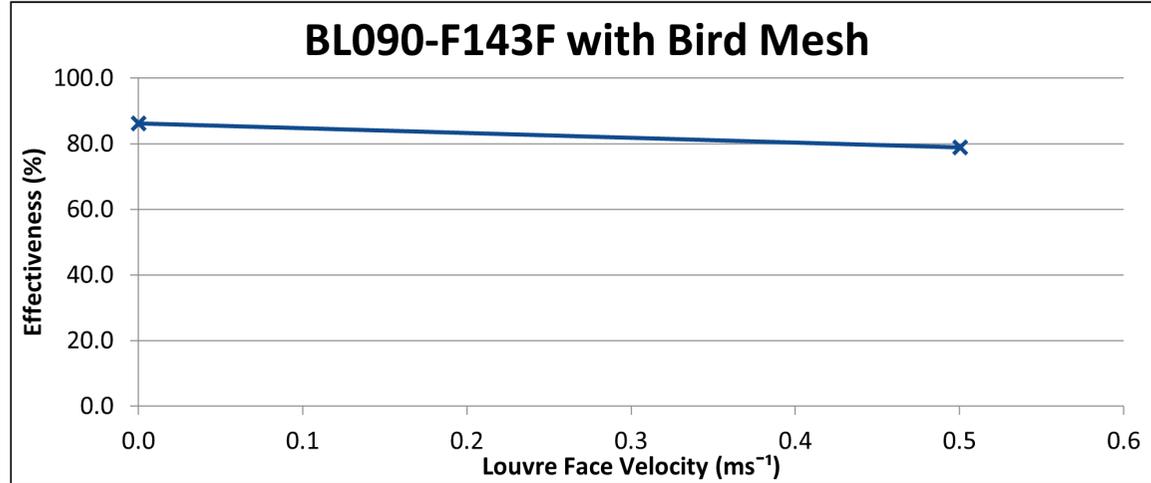
BL090:     0.299 Ce (intake) 0.343 Cd (exhaust)

**Guard (mesh) Options:**
Bird Guard– Galvanised steel with 12.7mm x 12.7mm apertures
Vermin Guard– Galvanised steel with 6.35mm x 6.35mm apertures
Insect Mesh– PVC coated fibre glass or stainless steel or HDPE options

**BSRIA Weather Louvre Water Penetration Test Results**

## BL090-F143F with Bird Mesh



## BL090-F0143F with Insect Mesh

**BL090-F099 Aluminium Louvres**



BL090-F099F

Flanged Frame



BL090-F099K

Recessed/ Knife Edge Frame



BL090-F099R
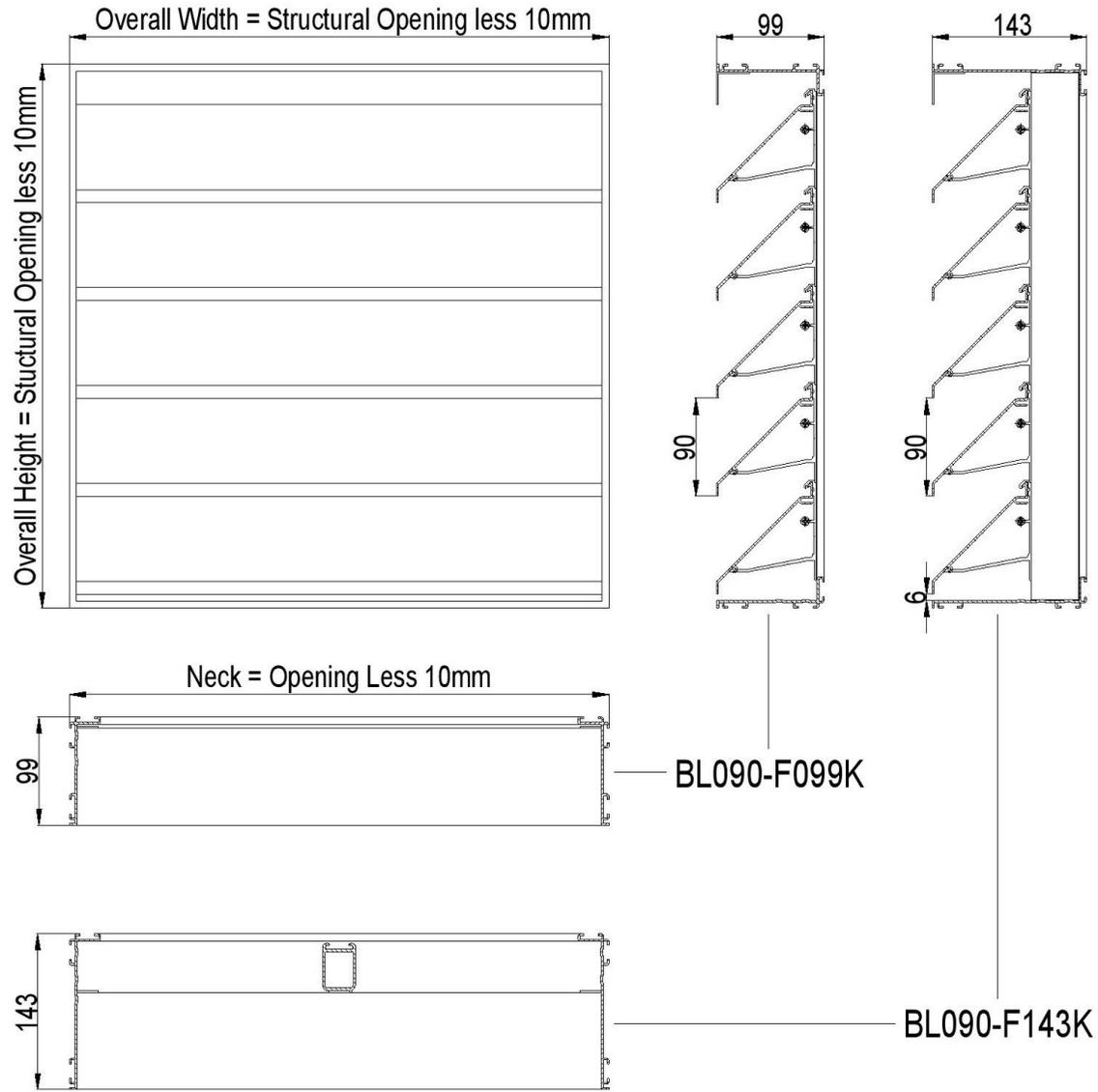
Reverse Flanged Frame

# BL090-F143 Aluminium Louvres



BL090-F143F

Flanged Frame



BL090-F143K

Recessed/ Knife Edge Frame

# Technical Details

Overall Width = Structural Opening less 10mm

Overall Height = Stuctural Opening less 10mm

99

143

90

90

6

Neck = Opening Less 10mm

99

143

BL090-F099K

BL090-F143K

## Technical Details



Over Flange= Neck + 86mm

Over Flange = Neck + 86mm

Neck = Opening Less 10mm

99

BL090-F099F

99

BL090-F099R

143

BL090-F143F

99 — 43 — 90

99 — 43 — 90 — 6

143 — 50 — 90