EuroLam louvre windows
GG ISO 24 BT 50

Design description:
- Installation in vertical façade
- Frame and blade profiles with thermally insulated composite of aluminum and PA6.6 profiles
- Filling of 2-glazing
- Glazing framed only sideways

Profile dimensions:
- Overall frame depth 50 mm
- Face width of frame 38 mm
- Face width of vertical blade 33 mm

Type of opening:
- Louvre windows consist of one or several superimposed blades that open on a horizontal axis of rotation as an oscillating wing. Thereby the blades part below the pivot axis opens to the outside and the upper part to the inside. In general the pivot axis is mounted centered, but can be shifted up to 1/3 - 2/3 if necessary.
- Standard with 78° opening angle, if necessary 0-90°

Gaskets:
- Vertically with brush seal
- Horizontal profile joint with brush and EPDM seal

Fittings:
- Concealed fittings
- Made of corrosion-free materials, galvanized

Surfaces:
- Profiles anodized, powder or wet paint coated possible according to RAL, NCS, DB. Special colors possible.

EuroLam

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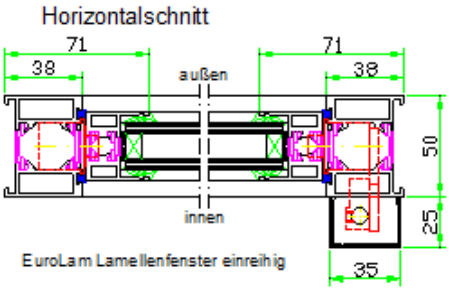
Possible sizes:

- Minimum frame width = 300 mm
- Maximum frame width = 1400 mm (NSHEV 1000)
  (broader elements possible only divided by mullions)
- Blade height variable: 120 – 300 mm

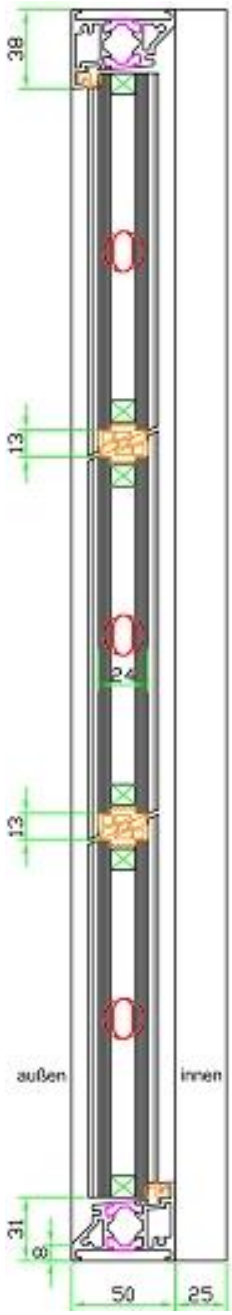


Area of application:

- Ventilation
- NSHEV – in accordance with DIN EN 12101-2:2003

Possible operation:

- Manually
  - Hand lever
    - Mounted directly
    - Derivation to pb- or window construction by post-beam transmission
    - Derivation to masonry by flexible window sill transmission
  - Crank handle
- Motor
  - 230 V – AC
    - WAL AC 160-35
    - FA 121 – 230V
  - 24 V – DC
    - WAL 160-35 (approved for NSHEV)
    - FA 121 – 24V (approved for NSHEV)
    - Picolo 0 (approved for NSHEV)
    - LDE 100 (approved for NSHEV)
    - R01 (approved for NSHEV)
- Pneumatic
  - Pneumatic cylinder PUDV (approved for NSHEV)



Technical values:

- Tested according to DIN EN 14351-1:2006+A1:2010
  - Resistance to repeated opening and closing class 3 (DIN EN 1191)
- Tested according to DIN EN 12101-2:2003
  - Aerodynamically effective opening area
    Cv = 0,54 – 0,61
    (based on opening angle 78°) (appendix B)
  - Functional reliability RE 1000 (appendix C)
  - Function under load SL0 (appendix D)
  - Function at low temperatures T(0) (appendix E)
  - Wind load resistance WL 3000 (appendix F)
  - Resistance to heat B 300 E (appendix G)

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