



# ALUKON

Sonnenschutz Rollladen Insektenschutz

## LIGHT GUIDING SLATS LS 80

FOR INTELLIGENT USE OF DAYLIGHT

**INNOVATIVE  
DESIGN**

for external  
venetian blinds

**ALUKON**  
Sonnenschutz Rollläden Insektenschutz

## **ALUKON'S LIGHT GUIDING SLATS**

### FOR INTELLIGENT USE OF DAYLIGHT

With the LS 80 from ALUKON, rooms shine in a pleasant light. It enables glare-free enjoyment of sunlight with maximum use of daylight. The light is directed to the ceiling and floods the room.

Summer heat rays are deflected by the slats and in winter it helps to use solar energy and the sunlight level. This is done automatically in the predefined light guiding position of 20°. Continuous readjustment is not necessary.

The light guiding slats have good closing action and also allow adequate darkening during the day. At night, the closed slats protect against view from the outside, even if it is brightly lit inside.

**More products and innovations can also be found at  
[WWW.ALUKON.COM](http://WWW.ALUKON.COM)**



## SUN PROTECTION WITH VISION

LIGHT GUIDING SLATS LS 80 - THE MOST IMPORTANT POINTS AT A GLANCE



### Sun protection

pleasant indoor climate  
even on hot summer days



### View

high visibility from inside  
looking outside



### Glare protection

Daylight is directed glare-free  
into the room



### Daylight control

more daylight in the room  
thanks to special slat contour



### Privacy protection

opaque even with illuminated  
interior



### Darkening

optimum closing action



### Save energy

less room cooling and better use of daylight



### Stability

improved slat stability due to geometry



### Efficiency

Slat design makes solar energy usable even in winter



### Ease of use

the systems can be opened and closed independently using automation



### Facade design

Light guiding slats LS 80 available in ten trendy colours



### Made in Germany

durable, high-quality materials



**PERFECT  
DAYLIGHT INTAKE**

WITHOUT GLARE

With the LS 80 light guiding slats the sun rays can be "captured" and deflected into the room in a subdued manner for a feel-good atmosphere.

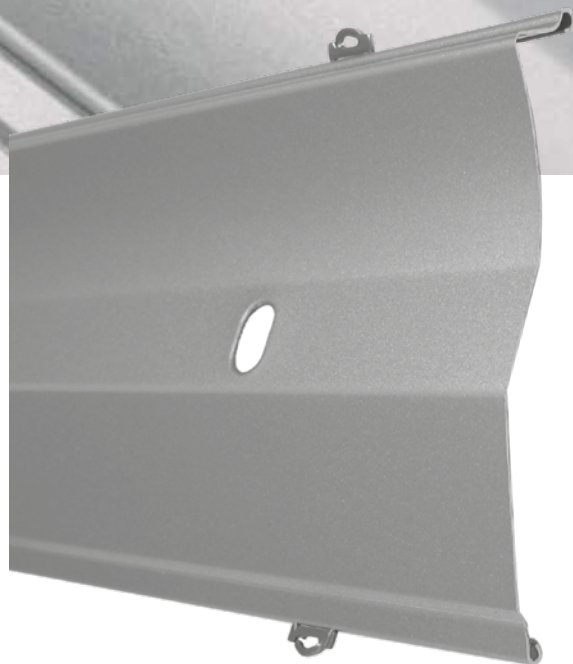


# LS 80

## LIGHT GUIDING SLATS

### **External venetian blind with special design**

The partially concave slats, which are flanged on both sides, are additionally provided with a piping on the lower edge flanging. On the one hand, this absorbs the closing action and wind noises and, on the other hand, it optimally seals the slats so that they lie one above the other.

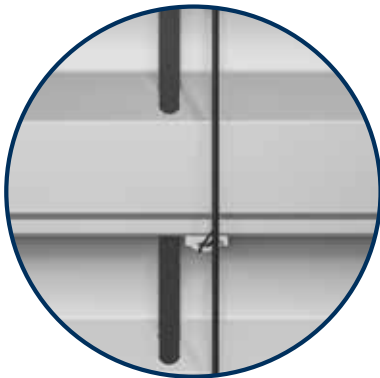




## PARTICULAR DETAILS

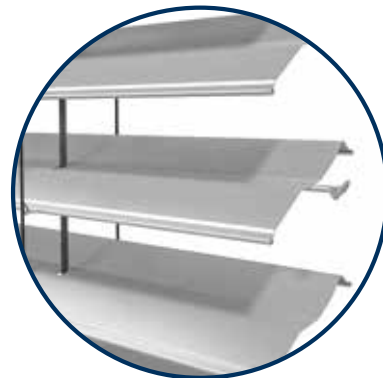
WITH PERFECT FUNCTION

The ALUKON LS 80 light guiding slats are based on many years of experience in shadowing and are one of the most innovative sun protection products with a great technical know-how right down to the smallest detail. It is moved via filigree, space-saving loop cords and can be used in track and cable guides.



### **Vertical Tex tape punching**

in a flanged design. This is covered in the best possible way by the Tex tape when closed and therefore few light passes through.



### **Guide nipple in the shape of a ship's propeller**

Alternately attached to the slats, these ensure the best stacking action.





## LIGHT CONTROL AND DESIGN

THANKS TO INNOVATIVE SLAT CONTOUR

The special slat shape is designed as a modern design element in a kind of "headlight principle". This ensures optimal light control, which is most effective with bright slat colours.

### **closed slats**

Good darkening of the rooms thanks to special closing action.



### **20° light guiding position**

Glare-free slat position with the best possible view to the outside.  
Tracking is not necessary.



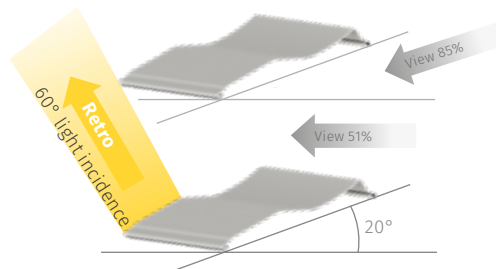
# LIGHT CONTROL

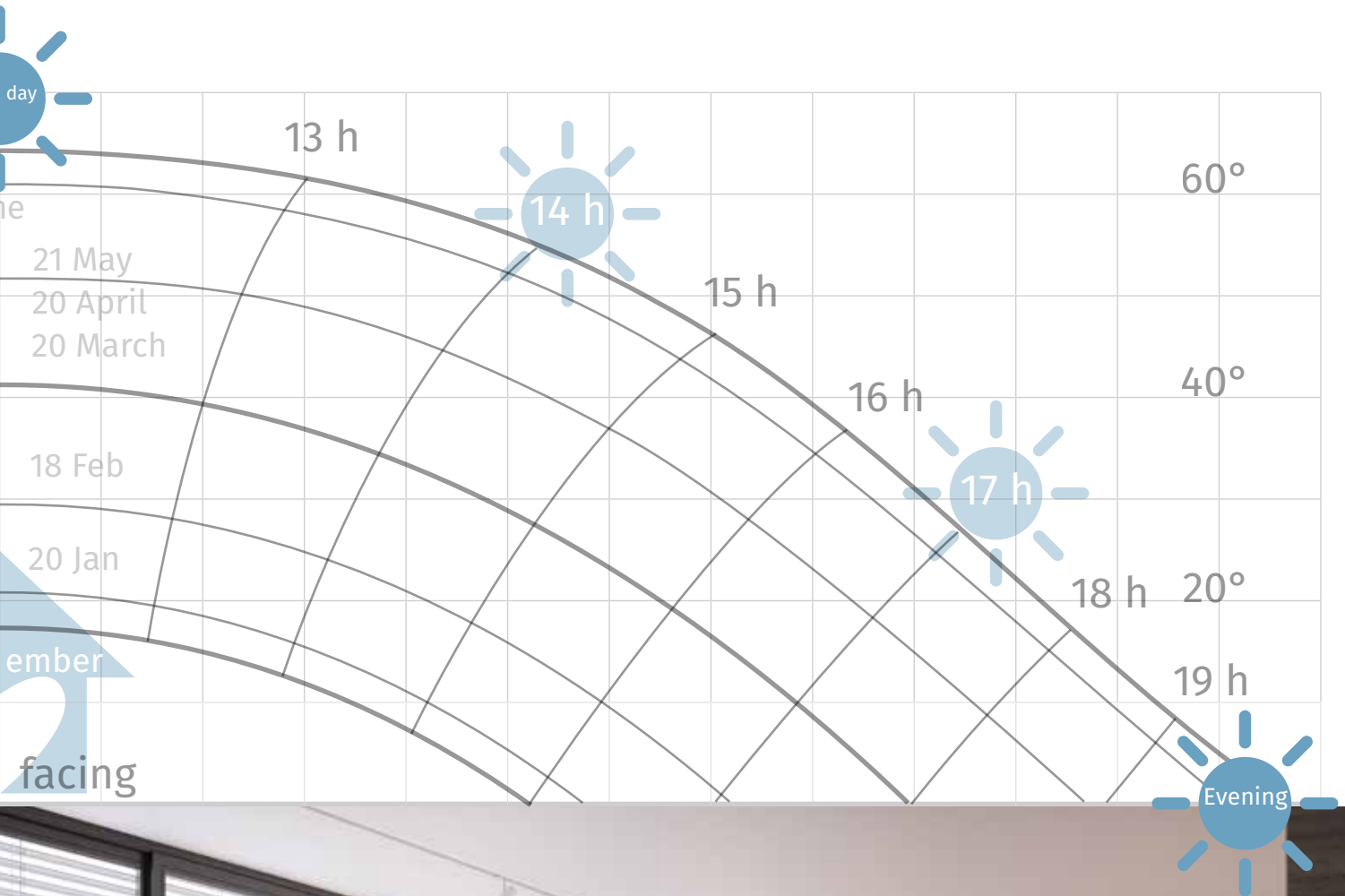
## MODE OF OPERATION OF THE LS 80



### midday in summer

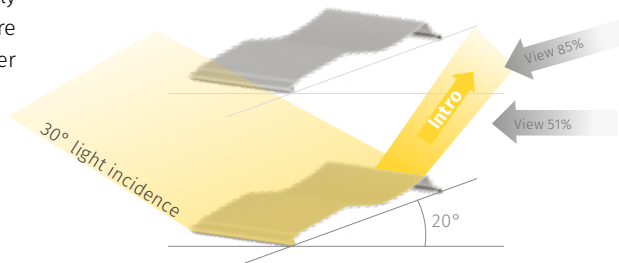
The steep and hot rays of sunlight are reflected back, so the heat stays outside, the room is not unnecessarily heated and the view to the outside is retained. Indirect light also brightens the room without disturbing, dazzling rays of sunlight.





**midday in winter**

The flat rays of sunlight are reflected completely inwards across the slat contour without glare and illuminate the room in an optimum manner while using the solar radiant heat.



**F 80**

FLAT SLATS

**C/CV 80**

FLANGED SLATS

## THE ALUKON SLAT PROGRAMME

TAILORED TO YOUR NEEDS

External venetian blinds are all-rounders in the field of sun and privacy protection. They illuminate the room in particularly soft, glare-free light and allow a sufficient view to the outside, while conversely they maintain privacy from outside.

The slats in front of the window provide good heat protection in summer and can also increase the solar energy and daylight level in the room in winter when the sun is shining. They can be continuously controlled and adapted to the respective situation, right up to blackout with privacy function from outside to inside. In order to cope with weather conditions such as strong sunlight, wind and weather, the ALUKON venetian blind slats are made of particularly high-quality, corrosion-resistant aluminium. In order to meet the different requirements, we have four different slat shapes in our product range.

### **F 80 slats**

space-saving, light and beautifully shaped design with low stack height



### **C/CV 80 flanged slats**

flanging on both sides makes the slat more stable, in offset stacking CV 80 requires less space than with standard stacking of the C 80 slat



**Z 80**

Z-SHAPED, FLANGED SLAT

**LS 80**

LIGHT GUIDING SLATS

**Z 80 slats**

stable z-shaped slat contour with flanging on both sides and piping on the underside for noise reduction and better closing action, well suited for darkening

**LS 80 light guiding slats**

particularly designed slat contour for optimal light control at all times of day and year, fitted with sealing piping in the lower flanging and therefore sound-absorbing and well suited for darkening



## RAFF-E



## FACADE VENETIAN BLIND



## EXTERNAL VENETIAN BLINDS



## ALUMINIUM SLATS

IN ALL ALUKON BOX SYSTEMS

Whether in the RAFF-E box system, as a facade venetian blind as well as in front-mounted boxes or top-mounted boxes, the ALUKON venetian blind slats are versatile and can be harmoniously integrated into the overall appearance of the facade in terms of colour design. The aluminium boxes, guide rails and end strips are available in a wide range of colours. Further details can be found in our sales and planning documents for the individual products.

### RAFF-E

closed box  
rear open box  
Plaster base box



### FACADE VENETIAN BLIND

U-shaped shutter, visible  
L-shaped shutter, visible  
U-shaped shutter, plastered  
L-shaped shutter, plastered



### EXTERNAL VENETIAN BLINDS

90° straight  
45° inclined  
20° inclined  
round







**TOP-MOUNTED BOX AK-FLEX.2**



**FOAMED TOP-MOUNTED BOX**  
AK-FLEX.2



**TOP-MOUNTED BOX AK-MIRO PLUS**



**PVC TOP-MOUNTED BOX**  
AK-MIRO PLUS



# CONVENIENT OPERATION

THE RIGHT ONE FOR EVERY APPLICATION

Whether you are planning to build a new engine or retrofit a renovation, with modern radio-controlled motors you have all the functions in your hand and can conveniently control individual venetian blinds or groups from your sofa or desk.

With automatic controls, the sun shading systems fully open and close automatically – even when you are not at home.

## Radio control

Radio drives with hand-held transmitters or timers offer extra comfort



## Automation

With suitable drives, sun protection systems are Smart Home compatible and can be integrated into existing house controls



## **MOTOR DRIVES**


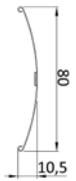



### THE COMFORT GAIN FOR YOU

External venetian blind systems are always included with convenient electric drives.

Systems which are to be installed in places where no electrical connection is available, can also be equipped with bevel gears.

# OVERVIEW

## VENETIAN BLINDS

slats	F 80 Flat slats	C 80 flanged slats	CV 80 flanged slats	Z 80 Z-shaped, flanged slats	LS 80 Light guiding slats
					
<b>Technical data for RAFF-E</b>					
max. width	400 cm	-	400 cm	400 cm	400 cm
max. height	450 cm	-	405 cm	373 cm	393 cm
<b>Technical data for facade venetian blinds</b>					
max. width	500 cm	400 cm	500 cm	400 cm	400 cm
max. height	450 cm	450 cm	450 cm	450 cm	450 cm
<b>Technical data for external venetian blinds</b>					
max. width	360 cm	-	360 cm	360 cm	360 cm
max. height	366 cm	-	225 cm	200 cm	215 cm
<b>Technical data for AK-FLEX.2</b>					
max. width	500 cm	-	500 cm	400 cm	400 cm
max. height	450 cm	-	300 cm	260 cm	260 cm
<b>Technical data for AK-MIRO PLUS</b>					
max. width	335 cm	-	335 cm	335 cm	335 cm
max. height	450 cm	-	300 cm	260 cm	260 cm
<b>Slat colours</b>					
	RAL 7016 anthracite grey				
	RAL 7021 black grey				
	RAL 7035 light grey				
	RAL 7038 agate grey				
	RAL 8019 grey-brown				
	RAL 9001 cream white				
	RAL 9006 white aluminium				
	RAL 9007 grey aluminium				
	RAL 9016 traffic white				
	DB 703 iron-mica				

Subject to technical changes. No liability for printing errors.

Colours may be subject to printing deviations.

Slats	F 80	C 80	CV 80	Z 80	LS 80
<b>Visibility and sun protection</b>	***	***	***	****	****
<b>light control in the room</b>	**	**	**	***	*****
<b>View</b>	****	**	**	****	****
<b>Darkening</b>	**	**	**	****	****
<b>Stack heights</b>	*****	*	****	***	***
<b>Advantages</b>	Sun protection	Sun protection	Sun protection and optimised stacking action	Stability, Darkening	Light control technology, darkening, stacking action

\* Valuation

**ALUKON**  
Sonnenschutz Rollläden Insektenschutz

# ALUKON SUN PROTECTION, ROLLER SHUTTERS AND INSECT SCREENS

QUALITY PRODUCTS MADE IN GERMANY

ALUKON is one of the leading German manufacturers of roller shutters, sun and insect protection products. Our production takes place at two locations in Konradsreuth in Upper Franconia and Haigerloch in Swabia.

ALUKON products are developed with great commitment and a high level of innovation and are made to measure from high-quality and durable materials, whether for modernisation or new construction.

Find the right product and colour variety for your needs and choose from a wide range of additional options. We offer you customised complete solutions from a single source.

With ALUKON products, you can individually adapt the privacy, indoor climate and lighting mood in the room.

**More products and innovations can also be found at  
[WWW.ALUKON.COM](http://WWW.ALUKON.COM)**

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**Consulting, planning, sales and assembly. Everything from one source.**

**ALUKON**  
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