

## Solarfin Adjustable solar shading

Colt Solarfin is a fixed or continuously variable louvre-system that can be installed in front of façade glazing and on glass roof constructions. The system reduces any direct solar incoming radiation in the summer and by that, it prevents an undesired warming up of the inside rooms by solar radiation. On the other hand, during the winter the louvres can be completely open, providing optimal sunlight ingress for passive solar energy.

This results in enormous savings on installation and exploitation costs. During warm periods, the necessary cooling expenses in air-conditioned buildings are strongly reduced and, in cold periods, less heating is needed due to the maximal use of passive solar energy.

**Solarfin is a system with multiple applications in commercial and industrial buildings.**

### Design

The Colt Solarfin system is available with fixed, movable, horizontally or vertically installed aluminium louvres that can be adjusted to any desired position. The extruded lenticular louvres are available in many different dimensions. The substructure and the supporting profiles provide a wind- and weather-resistant system.



### Colour

Standardly, the Solarfin system is manufactured in plain aluminium. In order to intensify light- and heat-reflection or just to meet the most various architectural requirements, the system can yet be coated in blank anodised or in any other desired RAL colour.

### Electronic control

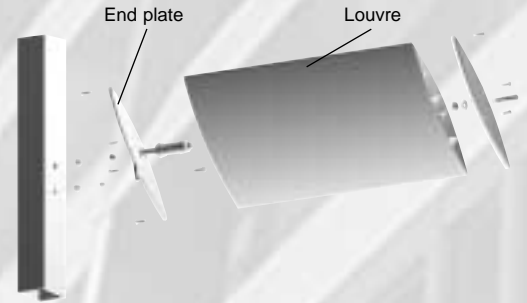
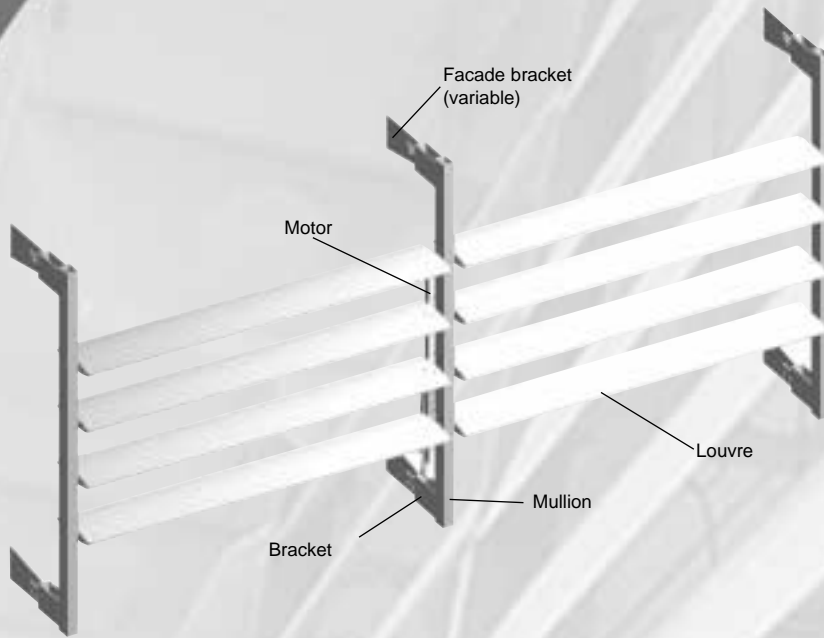
With the CCS 2000 control system, the position of the louvres is automatically adjusted by means of spindle motors. This tuning depends on the time of the day, the date, the orientation of the façades or the glass roof construction, the inclination angle of the glazing, the sun azimuth and the light intensity. Furthermore, the louvres can be placed in a desired position by means of a switch, for the purpose of cleaning or service activities, or by external signals of a weather station. The modular construction of the CCS 2000 system offers different possibilities, which may vary from a completely autonomous system until integrated control versions.



The Colt Solarfin system is applied in those buildings where the highest requirements have to be met with regard to solar shading and energy saving.

# COLT





Dimensions (mm)	Louvre
	CEL 1
	CEL 2
	CEL 2
	CHL 2
	CEL 3
	CEL 3
	CEL 4
<b>Anodized layer thickness</b>	15-25
<b>Powercoating</b>	ca. 60
<b>C.t.c. mullions</b>	proje
<b>Facade connection</b>	proje
<b>Systemweight</b>	18 - 2

Detailed technical information on request





**CEL 400/60**



**CEL 350/55**



**CEL 300/50**



**CHL 250/40**



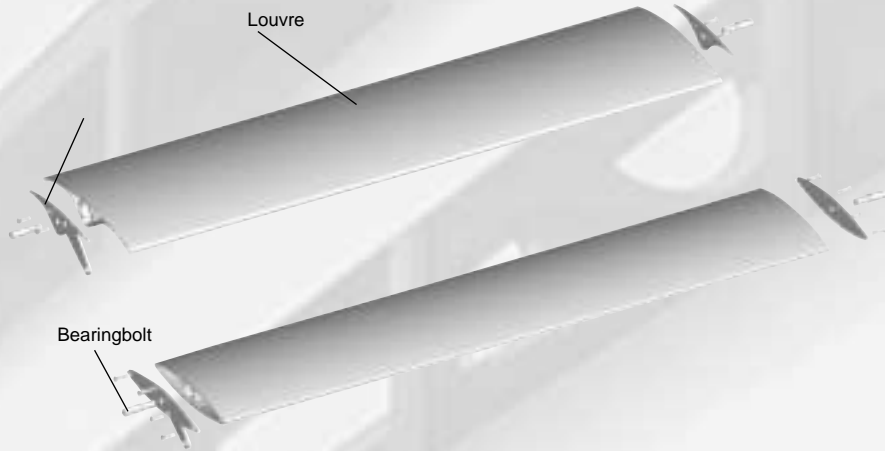
**CEL 250/40**



**CEL 200/34**



**CEL 150/34**



Louvre type	Width	Height
EL 150/34	150	34
EL 200/34	200	34
EL 250/40	250	40
HL 250/40	250	40
EL 300/50	300	50
EL 350/55	350	55
EL 400/60	400	60

-25 µm
. 60 µm / RAL
project depending
project depending
8 - 24 kg/m <sup>2</sup>



# Construction principle SOLARFIN

