

56 windows (39 m²) replaced with ConverLight[®] Dynamic in order to increase indoor comfort in Scott Sports AB's office building




Background

In order to improve the indoor climate and comfort, without the need of external solar protection, the previous 3-glass windows with solar protection film were replaced with ConverLight[®] Dynamic, an electrochromic glass with dynamic solar control.

Table 1. Example values for ConverLight[®]

	ConverLight [®] (lightest mode)	ConverLight [®] (darkest mode)
U value (W/m ² *K)	0,6	0,6
G value (solar factor)	0,36	0,1
LT value (light transmission)	0,54	0,14

ConverLight[®] are maintenance-free solutions which remove the need of external solar protection that can be difficult to maintain and be perceived as misplaced.

 The energy savings made with ConverLight[®] also result in a reduced environmental impact that contributes in meeting requirements of several environmental certifications.

With ConverLight[®] Dynamic, you gain access to a greater amount of daylight, resulting in increased indoor comfort and work productivity.



Light mode



Dark mode

Result

The dynamic glasses contribute to a perfect working environment regardless of the time of day, weather or season.

"It doesn't burn your back when the sun shines and it gives a nicer light that is relaxing for the eyes"

– Anders Eriksson, Scott Sports AB

Improved indoor comfort and sun protection when needed. An automatic and cost-effective climate system that blocks up to 90% of the solar heat radiation and keeps the office cool.

"They're windows, you see in and out"

– Hampus Rinne, Scott Sports AB

ConverLight® Dynamic provides 100% UV protection and acts as sunglasses where dazzling light is removed without the need of external sun protection.

Employees at Scott Sports AB experienced that the installation of ConverLight® Dynamic provided an improvement of the indoor working climate and experienced a lower solar heat radiation.