



DANPALON[®] 3DLITE

GLAZING MATERIAL

Balancing Daylight
Throughout the Day

DANPALON 3DLITE GLAZING MATERIAL

BALANCE YOUR DAYLIGHT FROM ABOVE - GIVE YOUR DESIGN A DYNAMIC LOOK

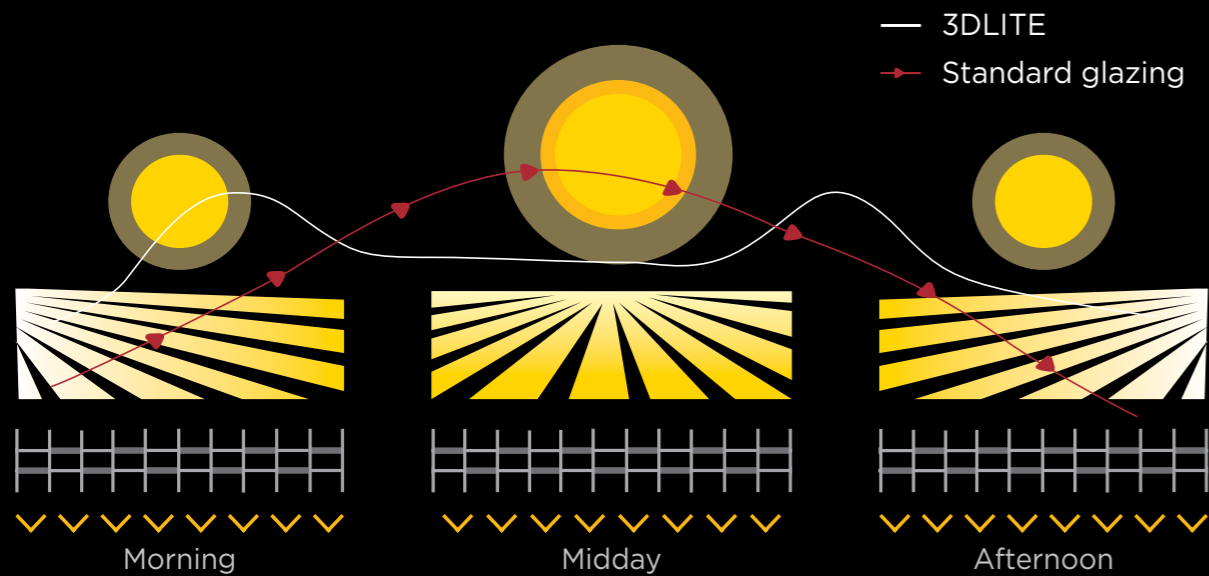
Optimizing natural light in buildings is an ongoing challenge. Danpalon 3DLITE is an advanced, innovative panel, enabling architects to design creatively while contributing to energy savings and increased lighting efficiency.



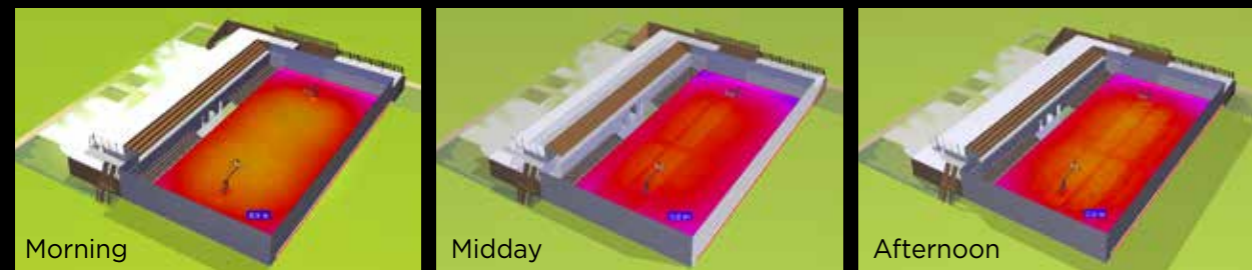
Romain Rolland Gymnasium | Architect: Ligne 7 Architecture | France

OPTIMISE DAYLIGHT FOR COST-EFFECTIVE ROOFING

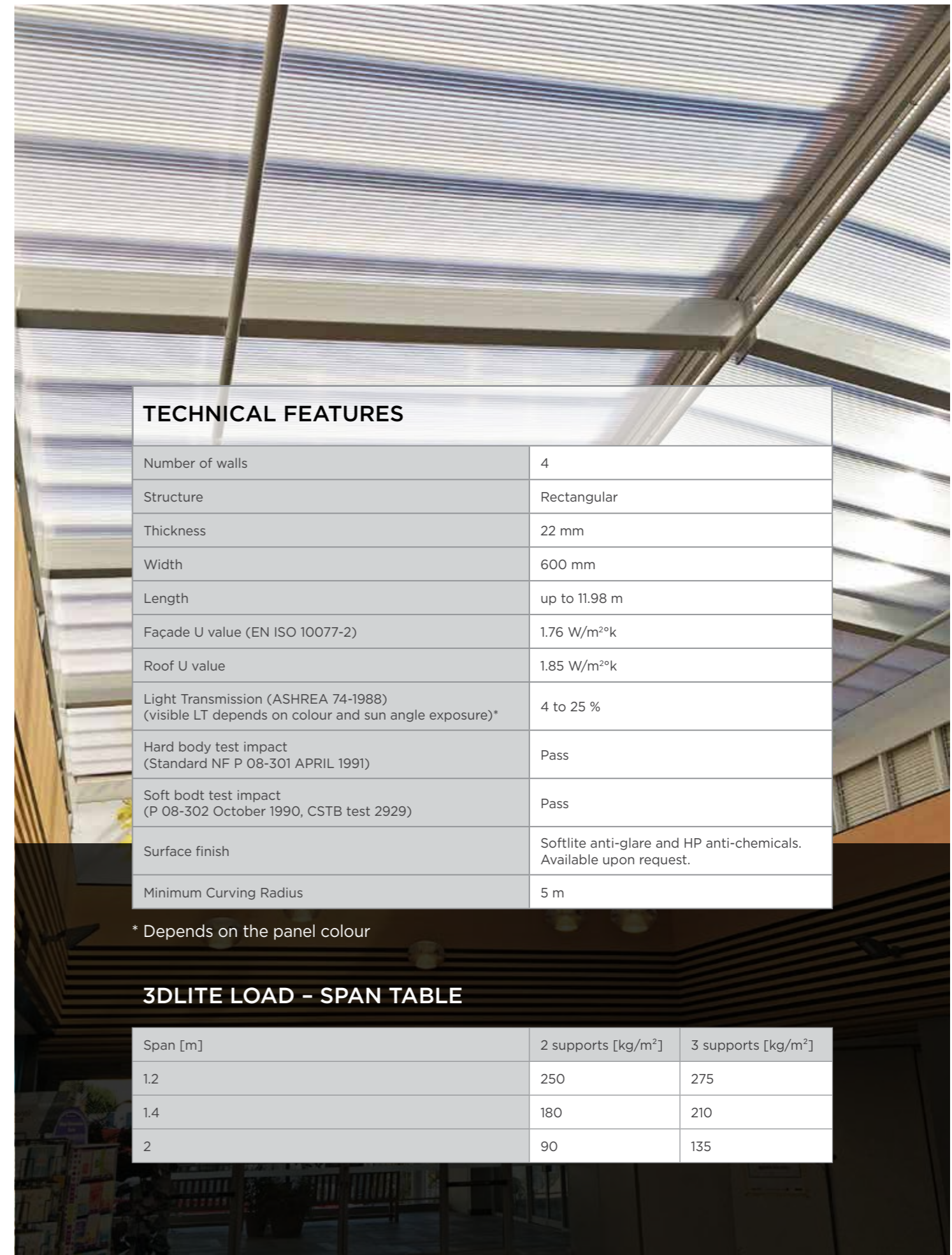
Danpalon 3DLITE allows the sun's rays to penetrate through at higher levels during the morning and afternoon, while reducing heat in the middle of the day. This fixed louver cost-effective solution optimizes daylight in office buildings, shopping malls, schools, libraries, stadiums, museums, and more.



3DLITE GLAZING MAINTAINS AN EVEN LIGHT LEVEL INTENSITY THROUGHOUT THE DAY



Lightmap simulation of 3DLITE roofing structure



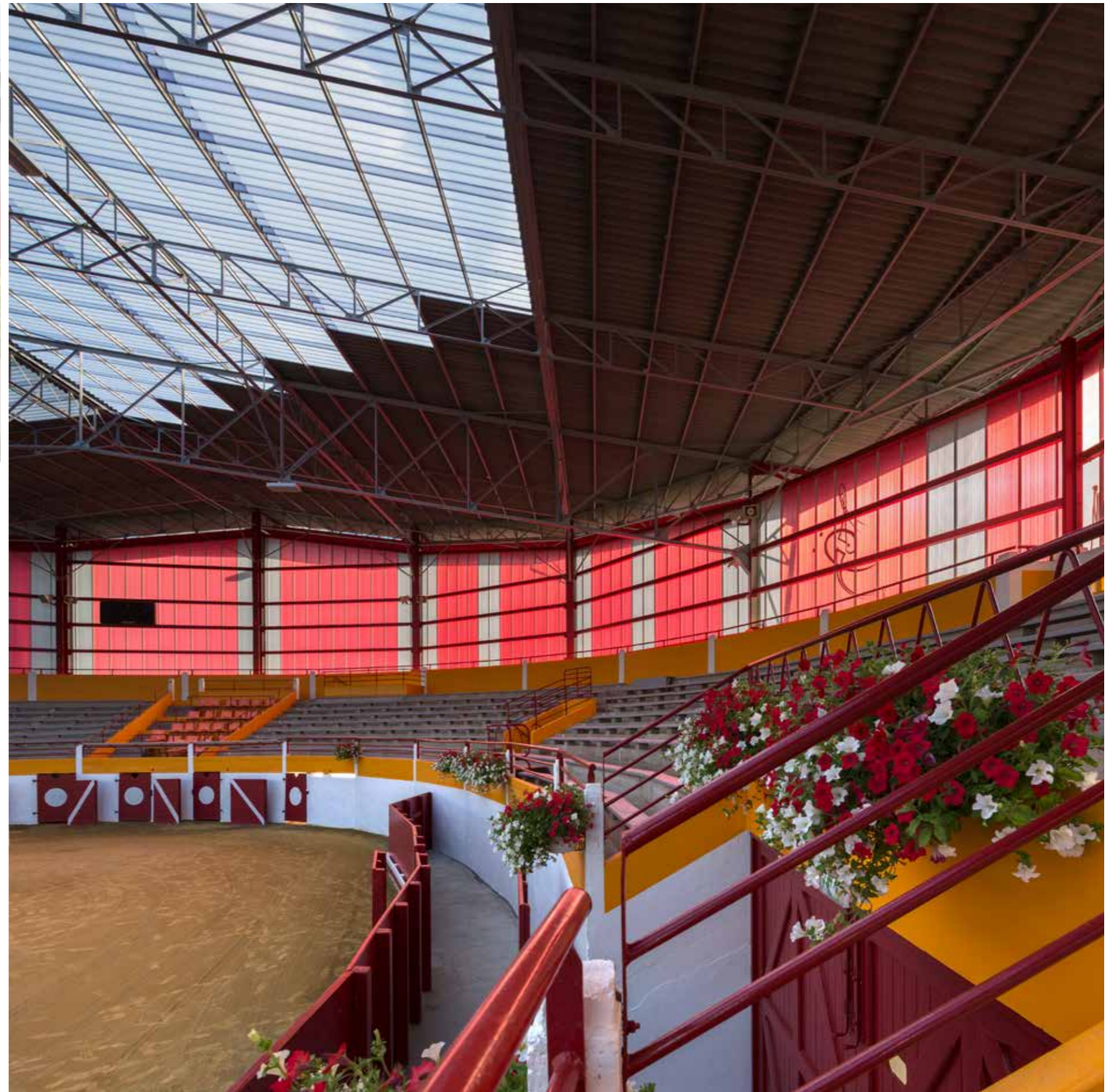
TECHNICAL FEATURES

Number of walls	4
Structure	Rectangular
Thickness	22 mm
Width	600 mm
Length	up to 11.98 m
Façade U value (EN ISO 10077-2)	1.76 W/m ² k
Roof U value	1.85 W/m ² k
Light Transmission (ASHREA 74-1988) (visible LT depends on colour and sun angle exposure)*	4 to 25 %
Hard body test impact (Standard NF P 08-301 APRIL 1991)	Pass
Soft bodt test impact (P 08-302 October 1990, CSTB test 2929)	Pass
Surface finish	Softlite anti-glare and HP anti-chemicals. Available upon request.
Minimum Curving Radius	5 m

* Depends on the panel colour

3DLITE LOAD - SPAN TABLE

Span [m]	2 supports [kg/m ²]	3 supports [kg/m ²]
1.2	250	275
1.4	180	210
2	90	135



A NEW DIMENSION FOR INSPIRED FAÇADES

The alternating integrated louvers create a dynamic, three-dimensional look and a unique design. Viewers can selectively see through the louvers, bringing intimacy in space.

BENEFITS

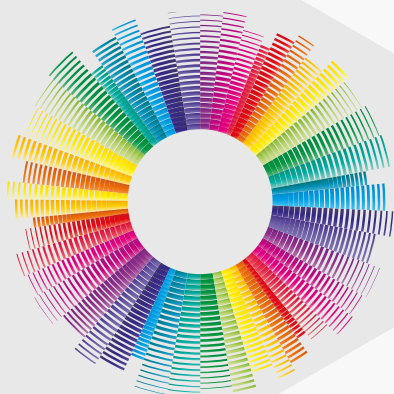
Dynamic light diffusion

Flexible solution for summer and winter

Optimises daylight throughout the day

Wide variety of colours

Part of Danpal's systems



COLOUR YOUR ATMOSPHERE WITH THE DANPAL® PALETTE

We offer unique colour combinations, giving the panel a dynamic look. Simply mix and match - the possibilities are endless.



Blue



Lime Green



Green



Orange



Red



Violet



White



Ivory



Brown



Grey