



DANPALON[®] 3DLITE

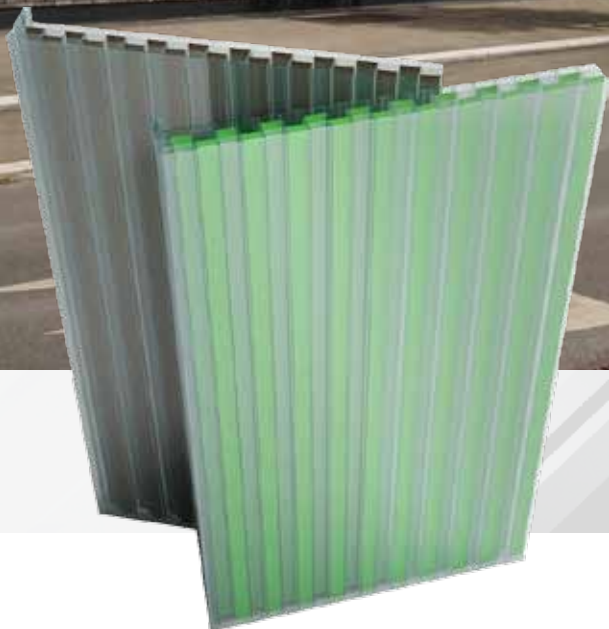
GLAZING MATERIAL

Balancing Daylight
Throughout the Day



www.danpal.com

Danpal[®]
Light Architecture



Romain Rolland Gymnasium | Architect: Ligne 7 Architecture | France

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.



TECHNICAL FEATURES

Number of walls	4
Structure	IHL
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

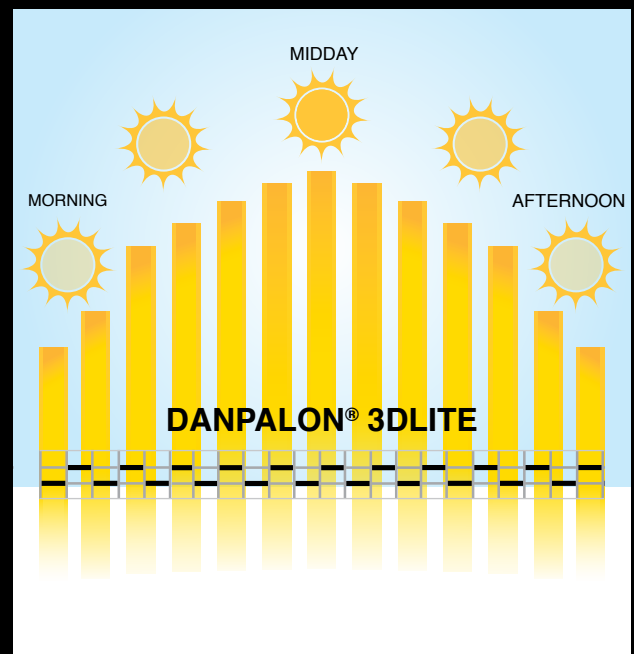
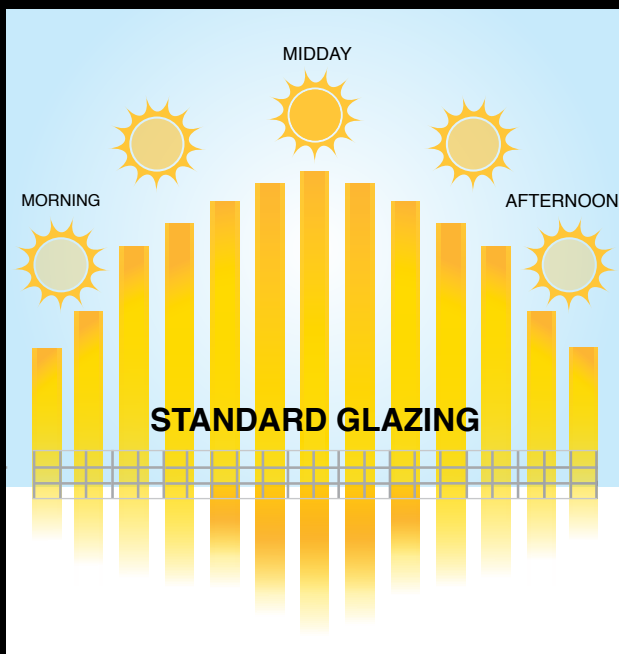
* Depends on the panel colour

3DLITE LOAD - SPAN TABLE

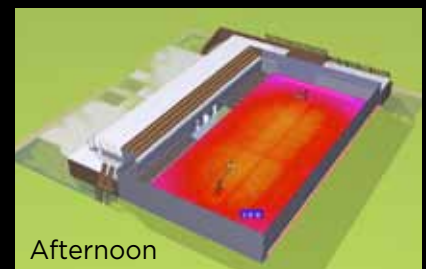
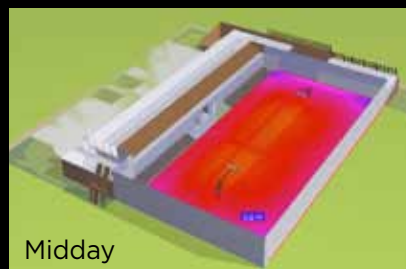
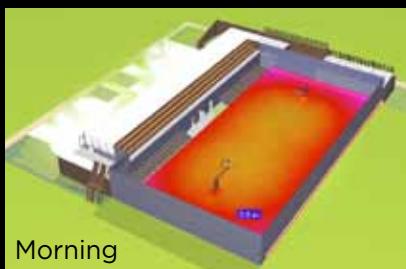
Span [m]	2 supports [kg/m ²]	3 supports [kg/m ²]
1.2	250	275
1.4	180	210
2	90	135

OPTIMISE DAYLIGHT FOR COST-EFFECTIVE ROOFING

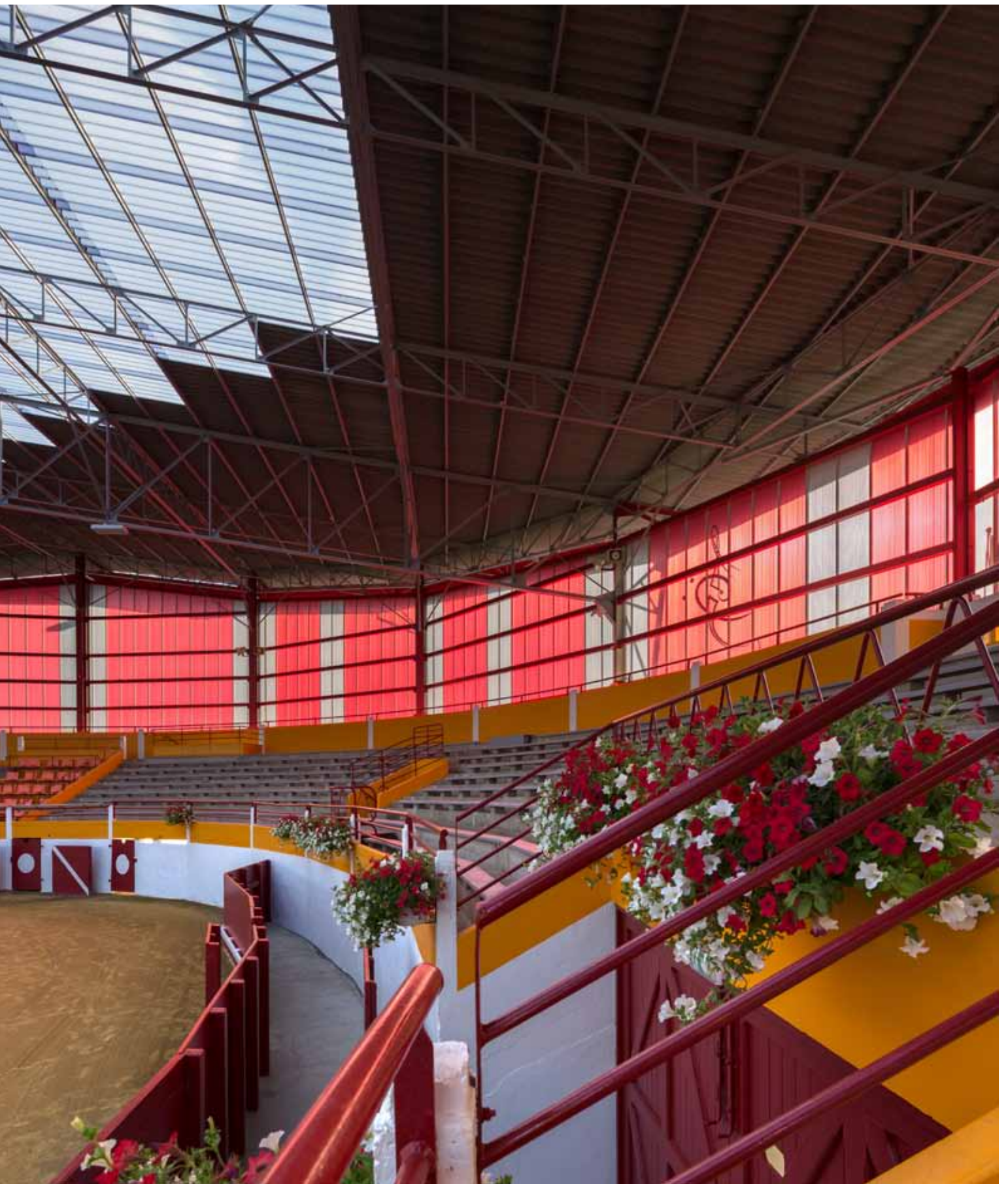
Danpalon 3DLITE allows the sun's rays to penetrate through at higher levels during the morning and afternoon, while reducing heat in the middle of the day. This fixed **horizontal louver cost-effective** solution optimizes daylight in office buildings, shopping malls, schools, libraries, stadiums, museums,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



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



Lightmap simulation of 3DLITE roofing structure



The Arena of Pomarez | Architect: Partec' Etud | France



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 louvres, bringing intimacy in space.

BENEFITS

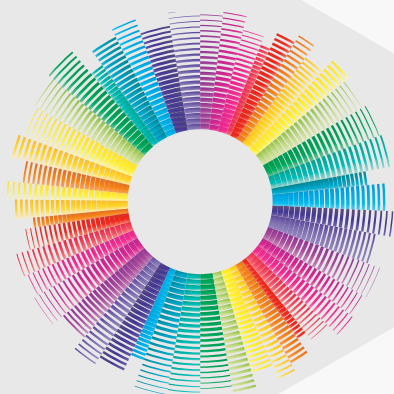
Dynamic light diffusion

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.



Sky Blue



Citrus Green



Fern Green



Signal Orange



Crimson Red



Violet Purple



White



Ivory



Chocolate Brown



Thunder Grey