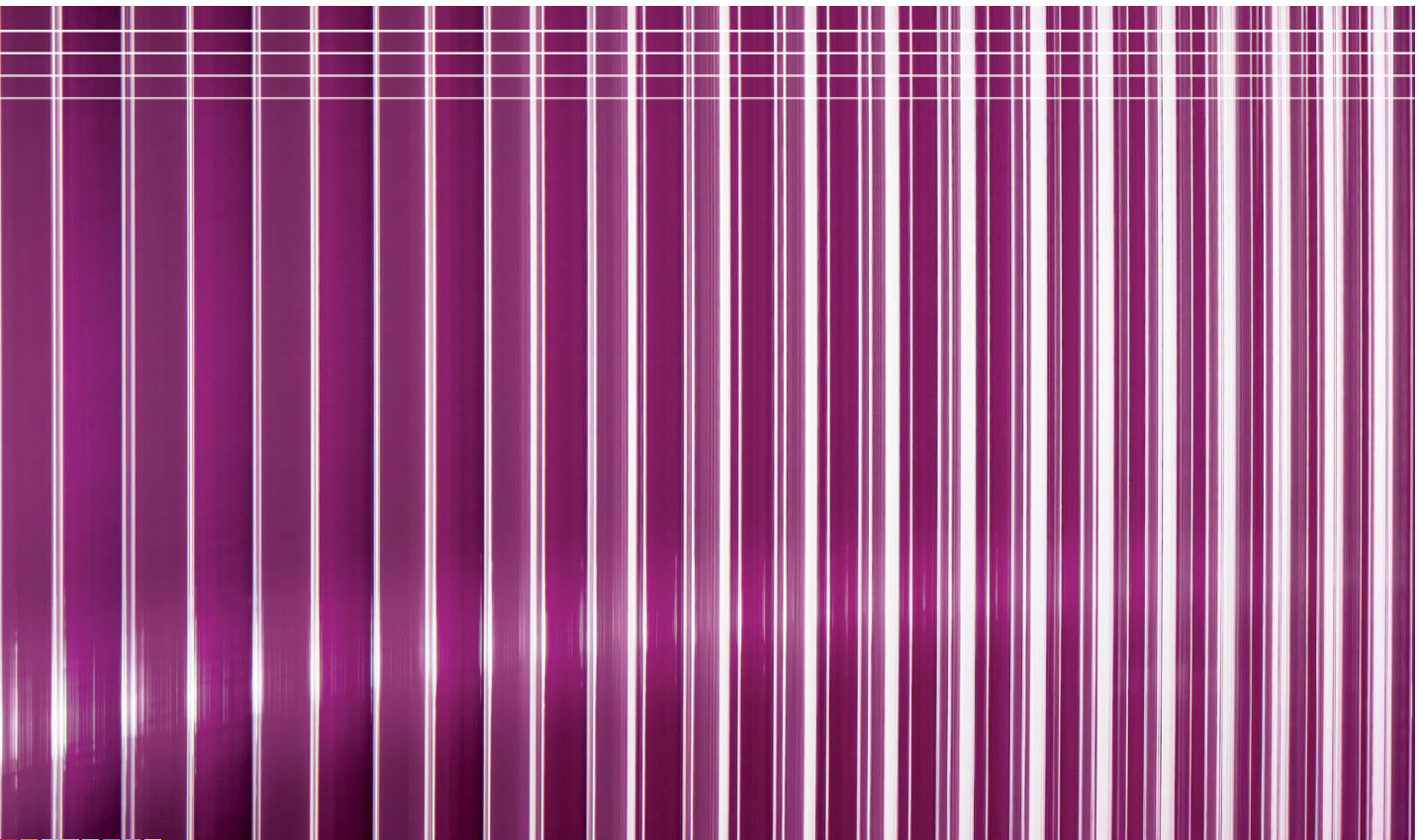


EVERLITE

# 3DLITE

■ FACADE ■ RAINSCREEN ■ ROOFING ■ CANOPY ■ INTERNAL



BALANCE YOUR LIGHT



# 3DLITE




## THE PANEL WITH A SENSATIONAL 3D EFFECT WHICH FILTERS THE LIGHT

**3DLITE** is the result of extensive research and unique extrusion techniques developed by Danpalon®.

The unique product contains alternating, integrated shading louvers which balance the sunlight penetrating the building evenly throughout the day,

thus offering benefits of natural light and thermal performance to the building with a really special dynamic look.

Optical illusions; interplay of colours; a real depth... **3DLITE** allows designers to balance creativity whilst contributing to light efficiency and energy savings.



A natural inexhaustible source, the sun is tamed and controlled to bring out its best. Modern building design demands natural light and solar controlled comfort in the construction and renovation of buildings, which compels us to find imaginative and innovative solutions. With Danpalon®, we go even further with superior and sensational aesthetics.



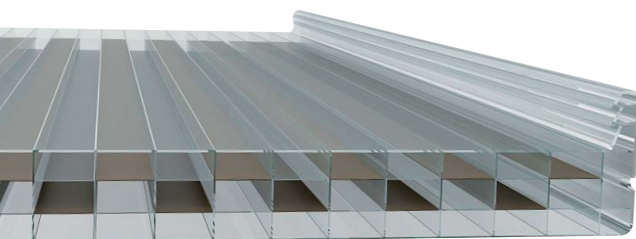


# BENEFITS OF 3DLITE

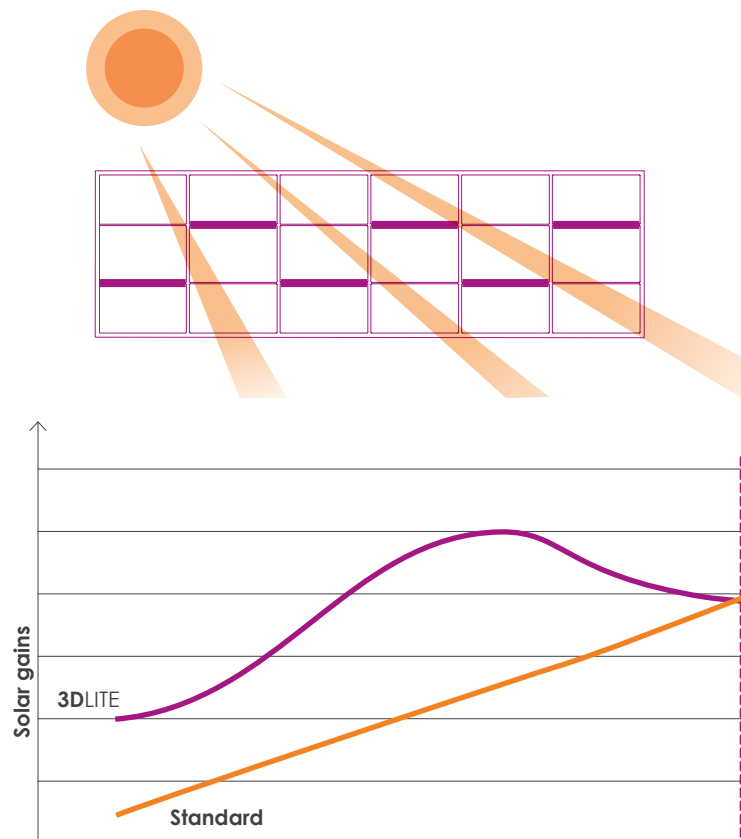
- HARMONISATION OF SOLAR GAIN THROUGHOUT THE DAY
- ASTOUNDING 3D LIGHT EFFECT
- EASY INSTALLATION
- LARGE SPANS
- WIDE RANGE OF COLOURS

■ The sun's rays which penetrate **3DLITE** are filtered by the original structure of the panel that regulates the solar gain. In this way, the light intensity is naturally balanced and a soft and homogeneous light is distributed throughout the day.

The **3DLITE** can be incorporated into all the existing Danpalon® standing seam systems making it ideal for facade, rainscreen, roofing, canopy and internal applications.

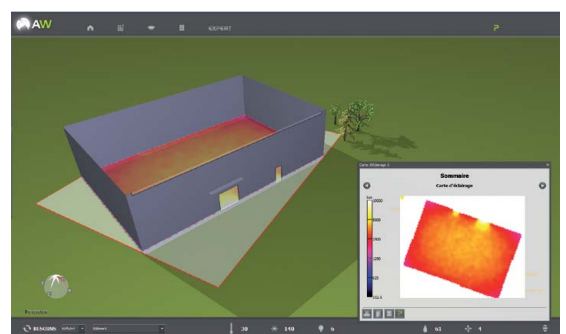


## MORNING

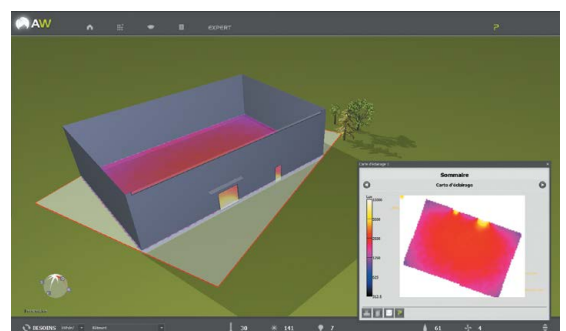


## Thermal models

### 3DLITE



### Standard

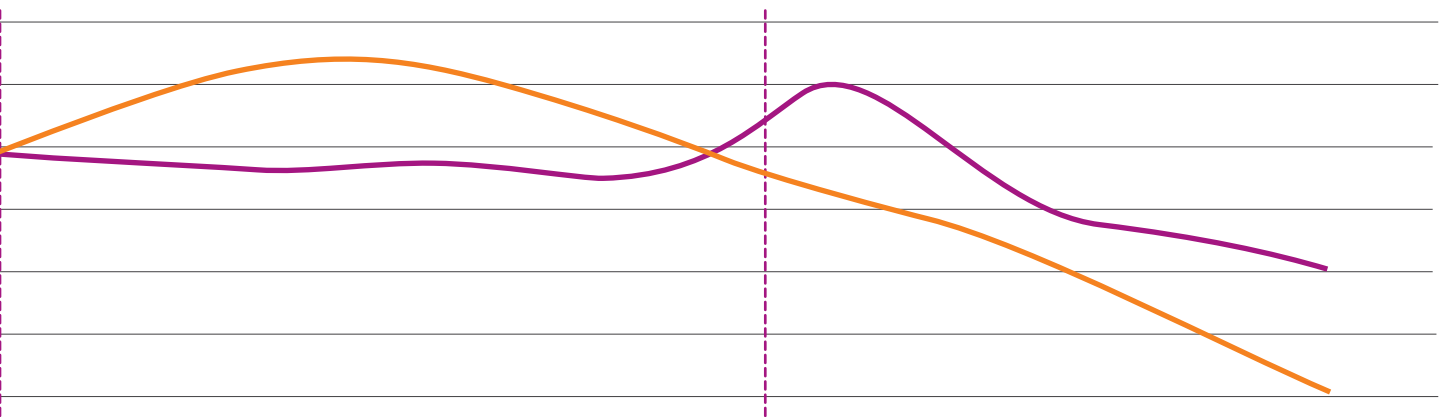
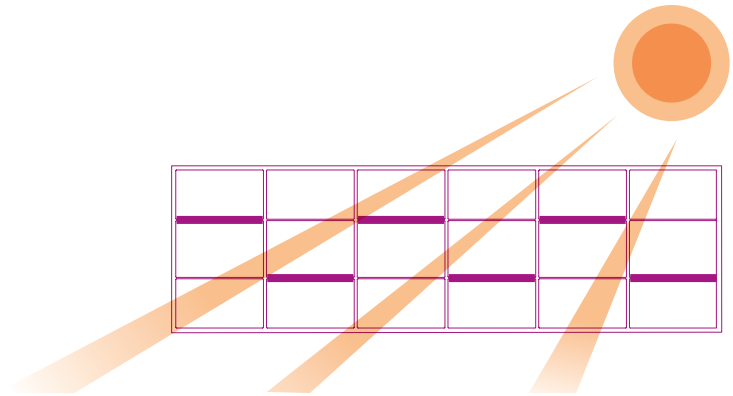
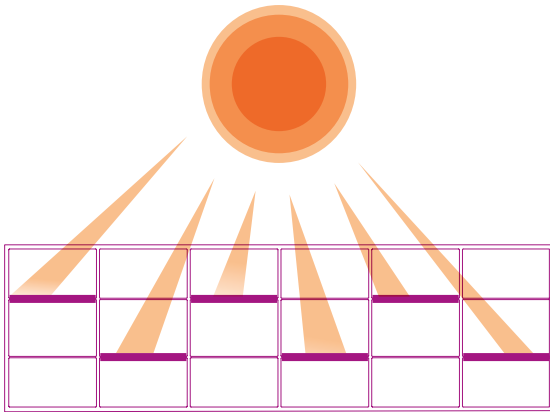


# HOW IT WORKS

## LIGHT REGULATION INSIDE THE BUILDING

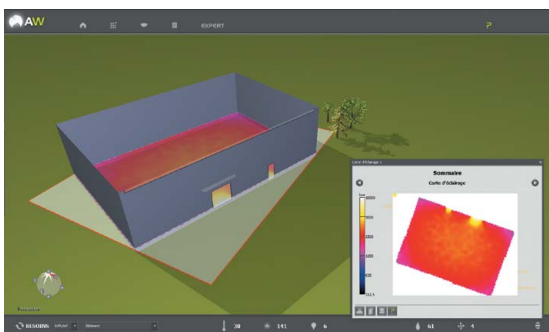
NOON

AFTERNOON

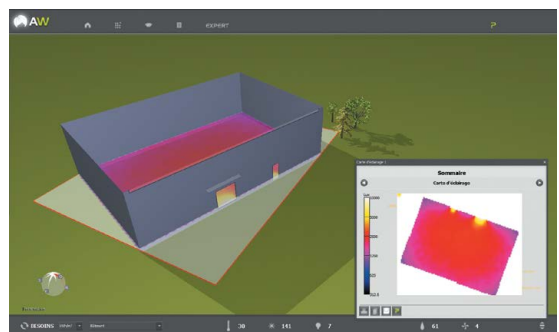


Solar time

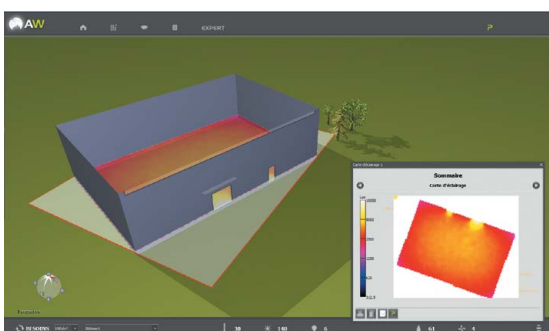
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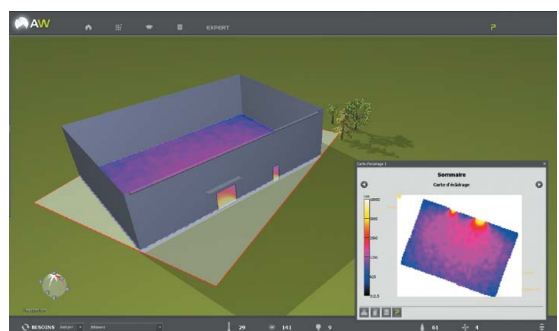
3DLITE

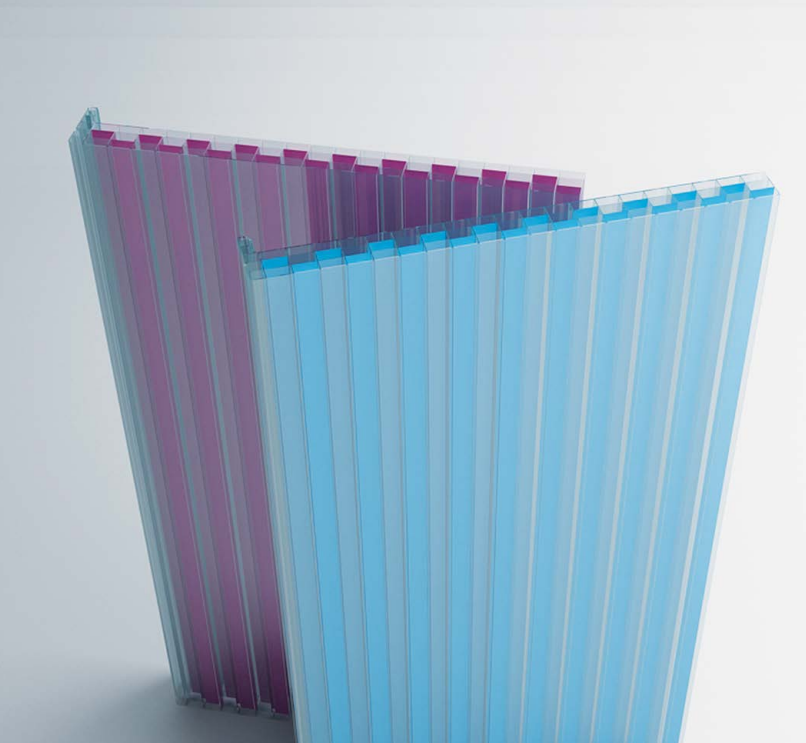


Standard

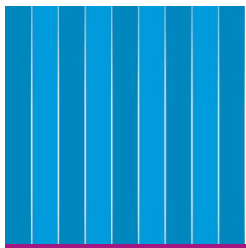


Standard

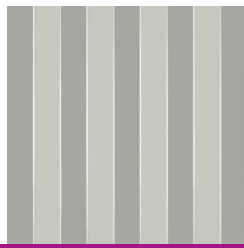




## COLOUR RANGE



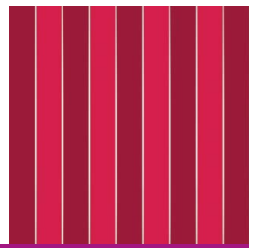
Sky Blue



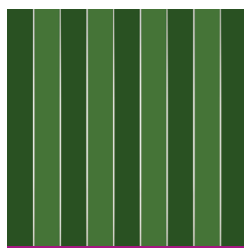
Metallic Grey



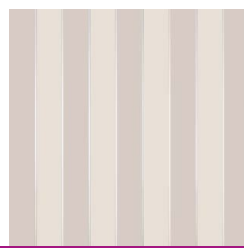
Purple Violet



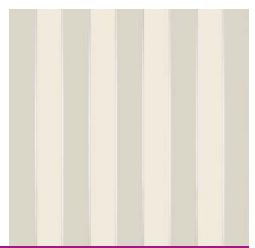
Crimson Red



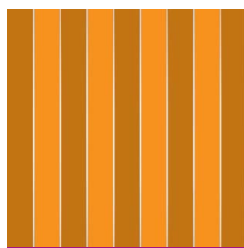
Fern Green



Opaque Cream



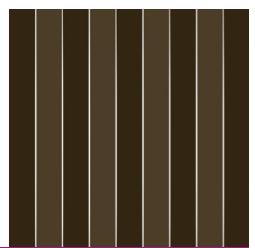
Opaque Ivory



Signal Orange



Lime Green



Chocolate Brown

# TECHNICAL CHARACTERISTICS

3DLITE		
Structure		Rectangular
Number of walls		4
Thickness (mm)		22
Width (mm)		600
Length		Standard up to 12 m <sup>(1)</sup>
Weight of the panel (kg/m²)		1,95
Fire resistance <sup>(2)</sup>		B-s2, d0
Ug (W/m².K) (according to Th-U rules)		Roofing: 1,85 / Facade: 1,76
Light Transmission LT: % Visible Light Transmission (400 - 700 nm)		From 4 to 22
SHGC: Solar Heat Gain Coefficient. Total solar energy transmitted through the panel = % ST + 0,2 x [1-(% ST + % SR)]		From 0,21 to 0,33
Spanning (maximum) (m) <sup>(3)</sup>	Polycarbonate connector	1,2
	Aluminium connector	2,5
	High span aluminium connector for facade	On request
Minimum roof slope (connector installed to the external)		5° (or 9%) <sup>(4)</sup>
Minimum radius for cold bending (m)		5
Soft and hard body impact		D1 - 10J; M50 - 300 J; M50 - 400 J
Non-fragility		Roofing: 1200 J - Class B
Stability in seismic zone		All area all buildings
Sofflite finish		Can be applied under specific conditions, please contact us for further details
HP (High Protection) coating		
ISO Certifications		Manufacturer certified ISO 9001 & ISO 14001
Warranty		10 years manufacturer warranty (panels)

(1) Longer upon request

(2) Euroclass following SBI (Single Burning Item) tests protocol established according to EN 13501-1

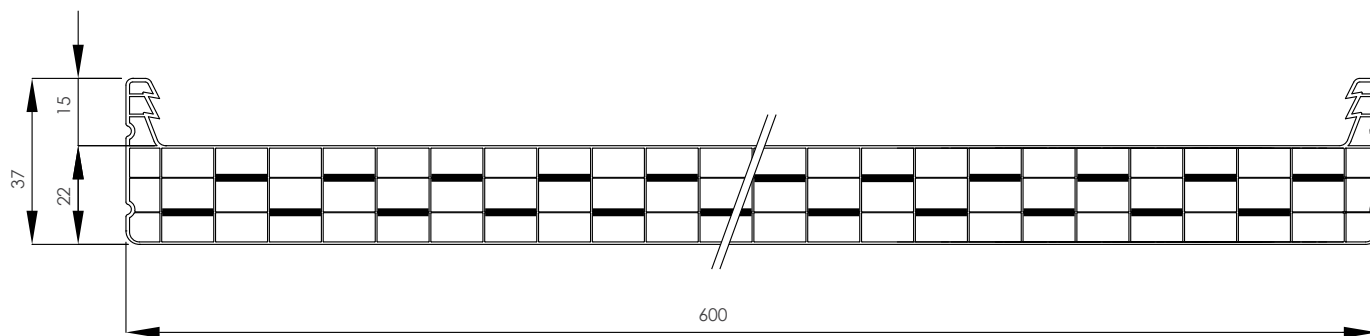
(3) Permissible loads corresponding to high pressure/low pressure under normal wind according to regulation NV65 modified.  
For more information, please see the load tables in the technical documents at [www.everliteconcept.com](http://www.everliteconcept.com)

(4) Individual assessment for lower slope

CE marking in accordance with EN 16153

NB: All information is provided for information purposes only and are subject to changes in time

## VERTICAL PANEL SECTION



**EVERLITE**

View all of our systems at [WWW.EVERLITECONCEPT.COM](http://WWW.EVERLITECONCEPT.COM)

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