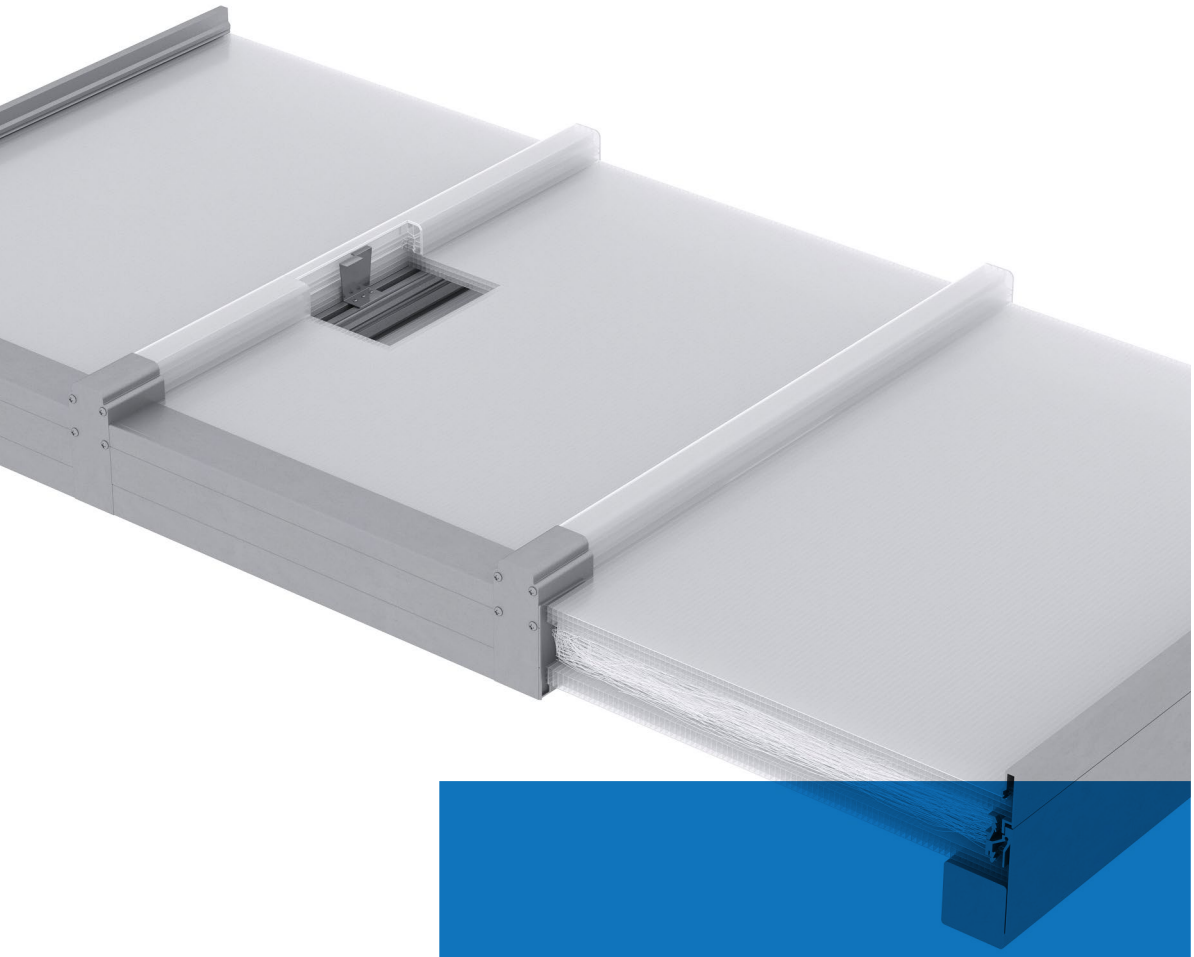


NEW

DANPATHERM RK7 SYSTEM

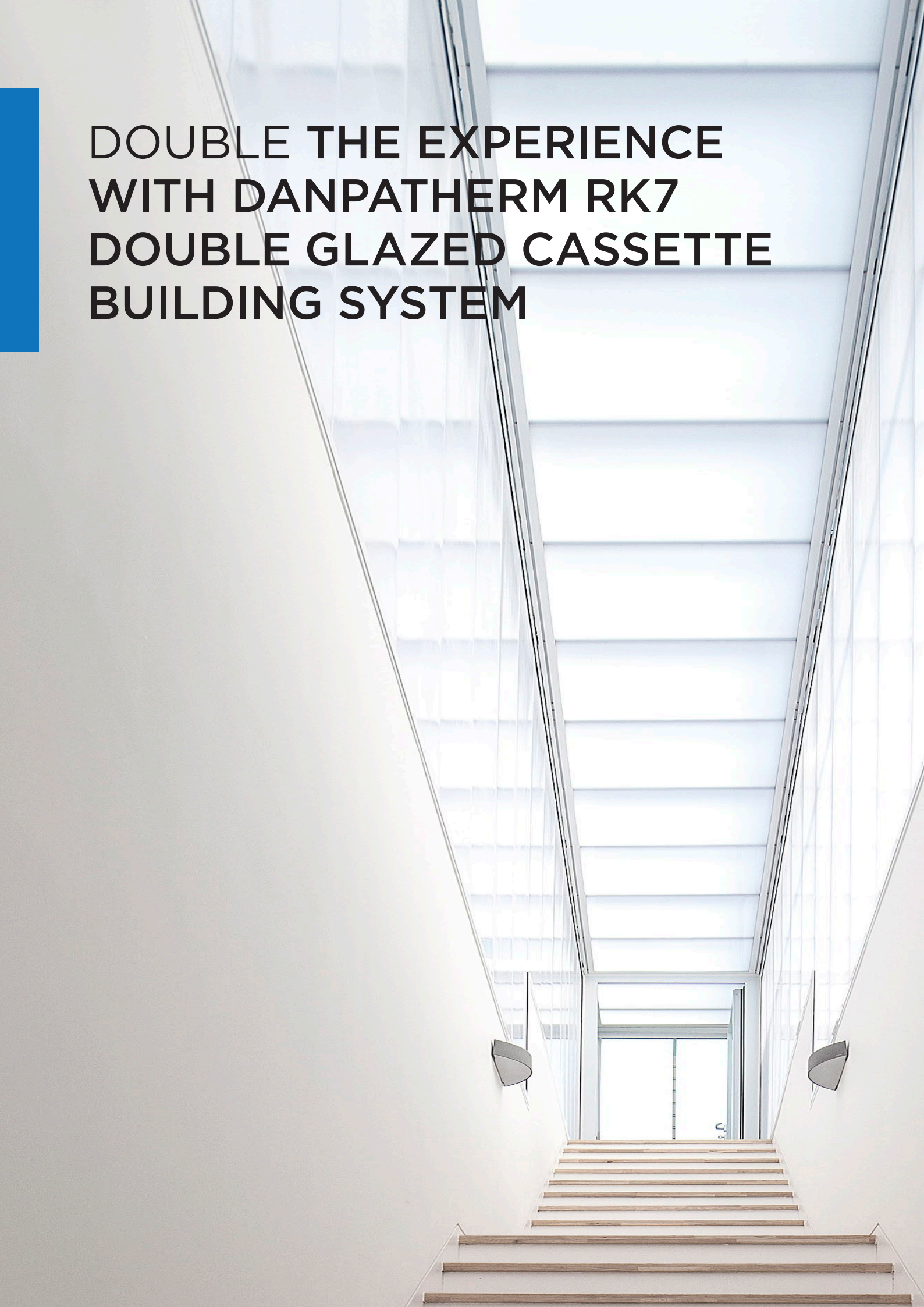
Light & Insulation for Roofing



SKYLIGHTS

Danpal® Light Architecture

DOUBLE **THE EXPERIENCE WITH DANPATHERM RK7 DOUBLE GLAZED CASSETTE BUILDING SYSTEM**





EXCELLENT THERMAL INSULATION, LIGHT TRANSMISSION AND LOAD RESISTANCE

DANPATHERM RK7, UNIQUE, CASSETTE BUILDING SYSTEM, REDEFINES WHAT'S POSSIBLE IN THE WORLD OF ROOFING.

DESIGNED TO CREATE THE IDEAL ENVIRONMENT WITH PERFECT SOLAR AND THERMAL COMFORT.

DOUBLE **THE COMFORT**

CREATE INNER CALM WITH SOFT, DIFFUSED LIGHT

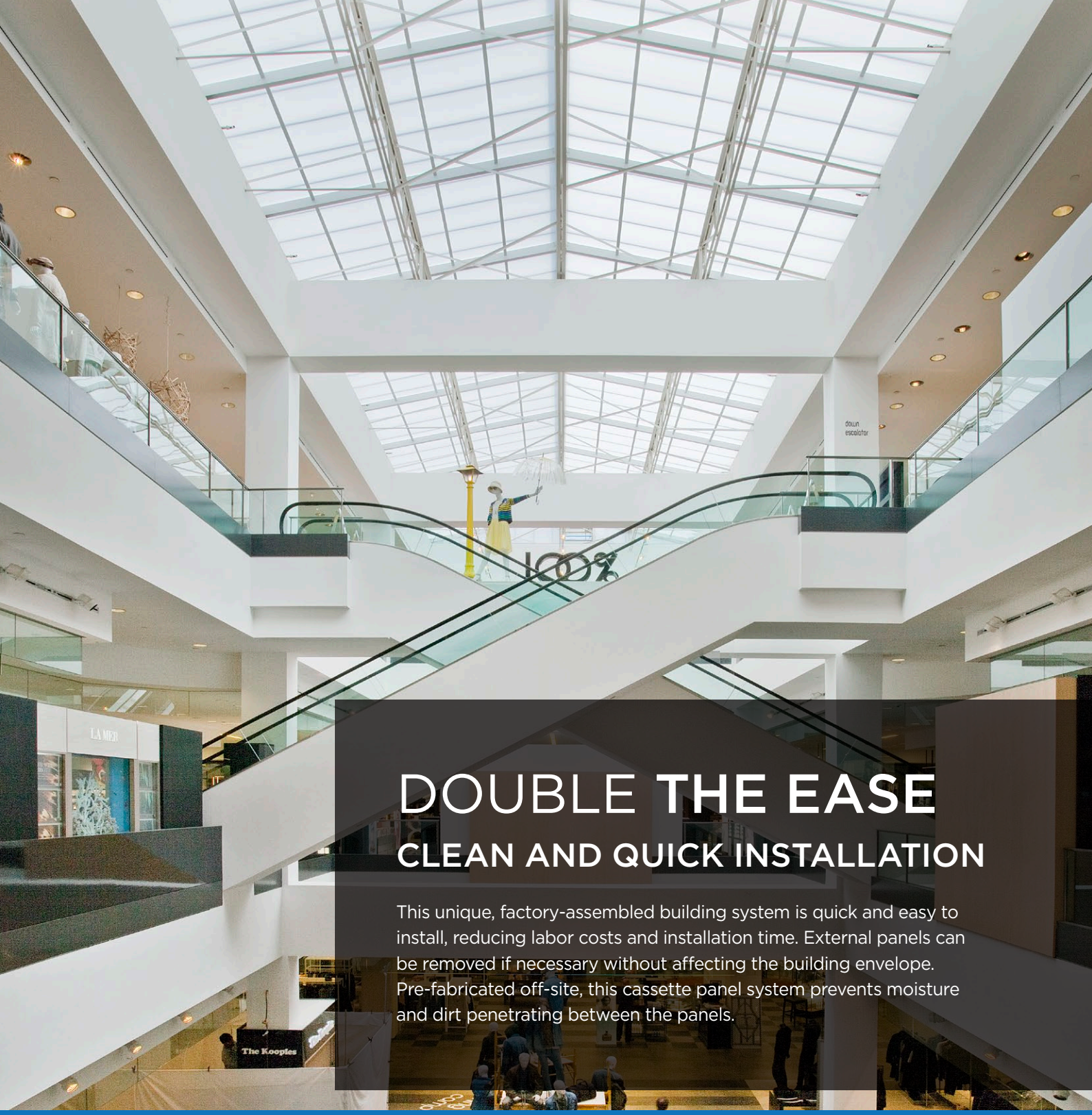
Danpatherm RK7 cassette building system features Softlite, a special finish manufactured into the panels to eliminate glare and ensure even light transmission. With Softlite, interiors are evenly lit with a gentle and diffused light.



DOUBLE **THE POSSIBILITIES**

DANPATHERM RK7 OFFERS TOTAL VERSATILITY FOR ADAPTIVE ENVIRONMENTS

The dynamic nature of the system offers the flexibility to design daylighting systems that have a larger aperture without the traditional risk of over lighting or overheating a space. Inner and outer panels come in a variety of glazing colors, extending the creative possibilities.



DOUBLE **THE EASE**

CLEAN AND QUICK INSTALLATION

This unique, factory-assembled building system is quick and easy to install, reducing labor costs and installation time. External panels can be removed if necessary without affecting the building envelope. Pre-fabricated off-site, this cassette panel system prevents moisture and dirt penetrating between the panels.

SYSTEM BENEFITS

- Exceptional thermal insulation
- Factory pre-assembled cassette
- Quick and easy installation
- Smooth appearance due to hidden glazing columns
- Enables long spans - clean look
- Variable levels of light transmission
- Unparalleled wind and snow load resistance
- Decreased rain noise
- Complete waterpoof protection



DOUBLE THE PEACE OF MIND

UNPARALLELED WIND AND LOAD RESISTANCE

Built from cassettes and connected through Danpal's well-known standing seam connection, Danpatherm RK7 features hidden glazing columns which provide high resistance to wind and snow loads.

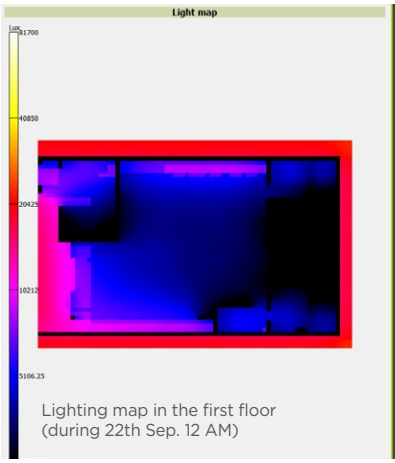
Danpatherm RK7 can span more than 3 metres unsupported, significantly reducing requirements for secondary steel framing.

INTERNAL SOLAR AND THERMAL BEHAVIOUR SIMULATION

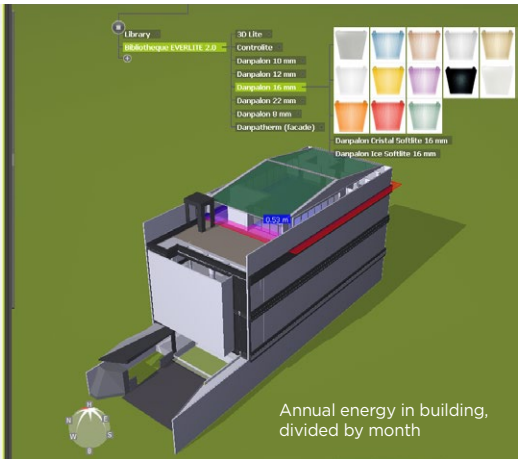
Danpal® offers a unique tool which can simulate visual and thermal comfort levels for a proposed building design. Using climatic data averages for the location of a given project, Danpal's Smart Energy Simulator can accurately predict internal daylight levels and building energy consumption. This allows the energy cost saving and environmental benefits of using Danpatherm RK7 to be quantified early in the design process.

- Dynamic internal daylight map simulation
- Dynamic internal energy consumption simulation



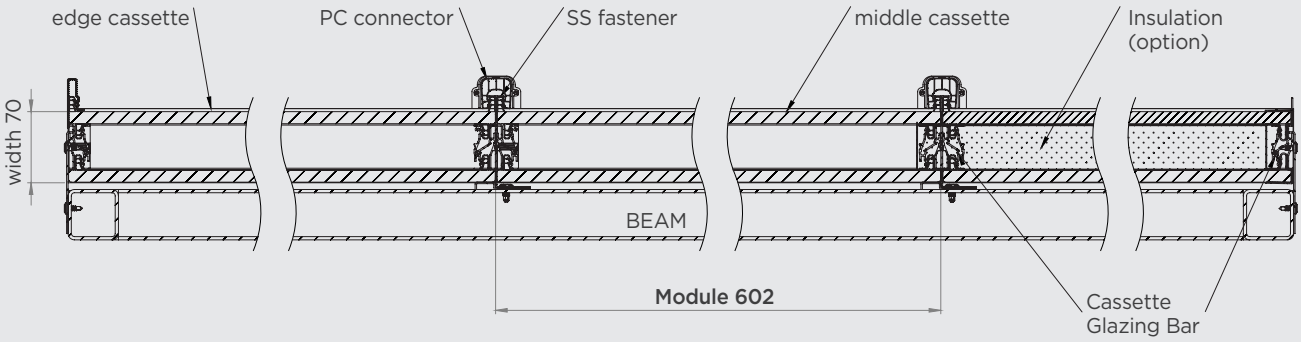


Lighting map in the first floor (during 22th Sep. 12 AM)



Annual energy in building, divided by month

STRUCTURE



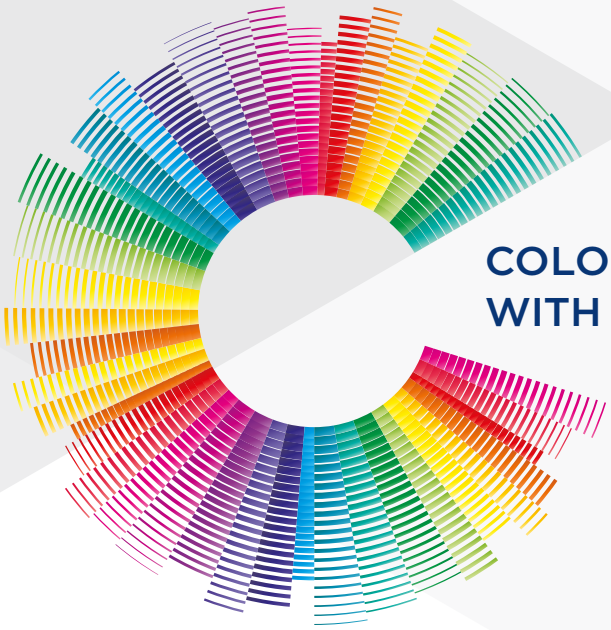
PROPERTIES

	WITHOUT INSULATION	WITH INSULATION
Cassette structure	12 + 46 + 12	
Module (mm)	600	
Thickness (mm)	70	
Length	Standard up to 11.8 meter	
Weight (kg/m²) without frame	8	8.3
Reaction to fire norm EN 13501-5	Broof (t1)	
Acoustics Rw (c, ct)	26 (-1, -5)	
U value (W/m²k)	1.18	0.79
Light transmission	Up to 35%	Up to 19%
SHGC	0.4	0.3
Impact and shock resistance	Soft impact test M50-1200 joule	
Finishes	Softlite, HP, Low E	
Warranty	10 years	

LOAD CAPACITY BY SPAN

Span [m]	2	2.5	3	3.5	4
Fastener – max load [kg/m²]	220	170	100	-	-
Aluspacer – max load [kg/m²]	350	250	180	130	100

Calculated values based on a safety factor (SF) of 1.5.



COLOUR YOUR ATMOSPHERE WITH THE DANPAL® PALETTE

ABOUT THE COMPANY

Innovative light architecture systems for building envelopes

Danpal® are creators of exceptional light-transmitting architectural systems for building envelopes, providing optimal solar and thermal comfort.

For 50 years, our innovative systems have helped architects to transform light (both natural and artificial) into a powerful and versatile tool, for architectural creations that are internally and externally radiant.

An industry visionary, Danpal® are originators of the Danpalon® translucent panel standing seam system - a light architecture solution used around the world in commercial, education, transport, health, sports and high-tech projects.

Today, the company offers complete systems - providing total solutions for the building envelope. Danpal® designs, manufactures and distributes an unmatched range of daylighting systems for all types of building requirements – from facades, cladding, roofs, skylights, shading, to interior and outdoor applications.

Danpal® systems are built around innovative technologies, deep architectural know-how and the ever evolving needs of our clients. Operating in five continents, Danpal® inspires architectural creativity with its rainbow of light architecture solutions.

Danpatherm RK7 is an integral part of Danpal's range of systems - giving you a complete solution

FACADES CLADDING SKYLIGHTS OUTDOOR SHADING INTERIOR

88-999400

www.danpal.com

Danpal® Light Architecture