

Light + Air  
North America

# Bright Solutions for Bold Designs



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# About Kingspan Light + Air

Kingspan Light + Air is the award-winning innovator of high-performance daylighting and ventilation solutions for building envelopes. Our translucent walls, skylights, canopies, and smoke vents are engineered to optimize the role that natural light and air play in the design of buildings and the health and well-being of its occupants.

We thrive on innovation and engineer, produce and deliver the most premium, durable and high-performance products in the marketplace and offer an unmatched selection of standard and custom products built to perform across a wide array of climates, conditions and geographies.

Our mission is to set new, higher standards for the quality and versatility of daylighting technology, as we strive to advance daylighting design.

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## Working with us

Our experienced Architectural Support team is available to consult on projects at any stage - from initial concept to final implementation. Our team will work with you to determine the right daylighting or ventilation solution for your building, including daylight modeling services. With a wide range of customizable and scalable solutions, we partner with architects to design beautiful, sustainable, efficient, and healthy buildings.

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2018

Devon, PA, USA

# Anthropologie's Devon Yard Lifestyle Center

Quadwall®  
Translucent Skylight

Architect:  
NewStudio  
Architecture



# Light and airy greenhouse

Creating a greenhouse-feel while meeting energy codes and considering customer comfort created a unique challenge for NewStudio Architecture when designing Anthropologie's Devon Yard Lifestyle Center.

The rustic design incorporated local materials like Pennsylvania field stone and reclaimed barnwood. Kingspan Light + Air's Quadwall Skylight system provided the airy feel they were looking for, while meeting energy codes and creating a thermally controlled environment without sacrificing light. The skylight integrated well with the standing seam metal roof.





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2017

Maryland Heights, MO, USA

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# Maryland Heights Community Center



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UniQuad®  
Translucent Facade

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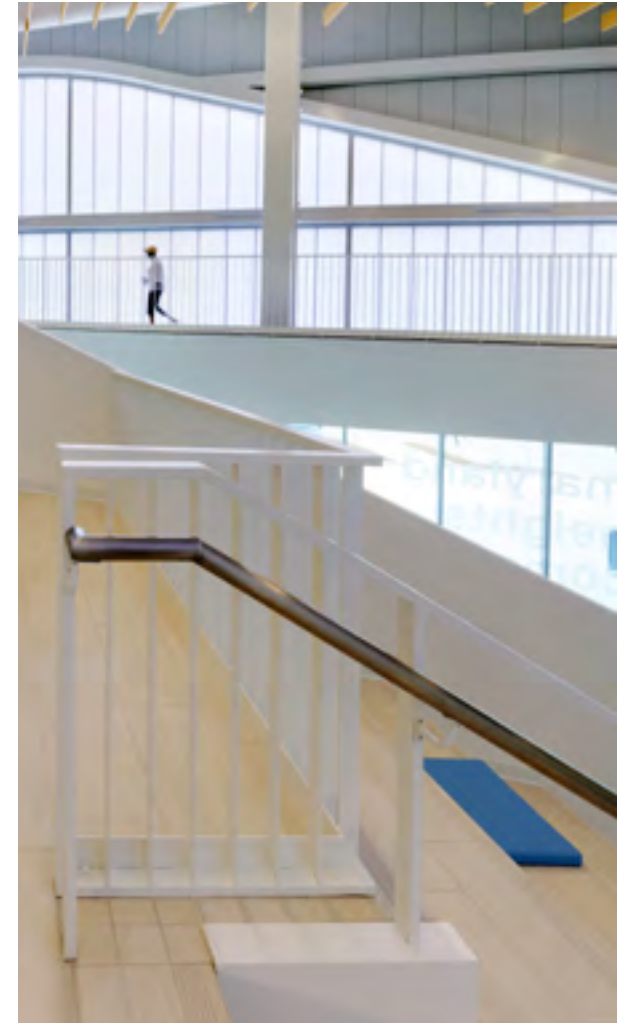
Architect:  
CannonDesign

# A shining beacon for the community

When designing the new Maryland Heights Community Center, the architect had a few challenges to overcome: eliminating unsightly views, limiting sound and finding products to work within the curved facade.

UniQuad Translucent Facade was the right solution. The translucent panels provide ample daylight while also eliminating view zones where necessary. Kingspan Light + Air was able to provide a clear acoustical inner layer in some panels to help muffle the sound of a nearby highway. The unitized nature of the panels allows for curved designs.

The unique design of the building creates a new landmark for the City of Maryland Heights, and when the translucent UniQuad panels are backlit - it creates a lantern effect.





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2018

Bowling Green, OH, USA

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# PBE Lake Campus



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UniQuad®  
Translucent Facade

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Architect:  
MacPherson  
Architects



# Natural daylighting + privacy

Principle Building Enterprises (PBE) was looking to build a new manufacturing plant and the owners knew they wanted to include natural daylighting. They wanted a balance between quality lighting while still maintaining privacy - UniQuad Translucent Facade provided glare-free, diffused natural light with its translucent panels.

With three shifts working around the clock, the architect and owners wanted to give workers exposure to the natural rhythm of nature. The UniQuad system provides a soft glow during the day, supplemented by natural light.



**“The change was immediate; it impacted worker productivity and the overall happiness of workers in the space.”**

- Jamie Deyel, Project Manager, MacPherson Architects

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2017

Winston-Salem, NC, USA

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# Art for Art's Sake

UniQuad®  
Translucent Facade

Architect:  
STITCH Design  
Shop





# A work of art

Art for Art's Sake features two galleries, an art center for community education, artist studios for rent, office space and more. When tasked with the design, architects STITCH Design Shop wanted something fresh and bold that would stand out.

They wanted to incorporate UniQuad into the design for its unique look, energy savings and that it could be a light source. The designers wanted a product that would provide diffused light for the artists renting the space - and UniQuad allows that, while minimizing the need for supplemental electric lighting during the day.

STITCH Design Shop was so pleased with the final result that they became tenants of one of the office spaces in the building.



**“We asked ourselves: How can we make the building glow and compliment the sculpture park outside, while also making it the diffused light source for artists and functions taking place inside the building?”**

- Adam Sebastian, AIA, Architect, STITCH Design Shop

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2017

Chicago, IL, USA

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# Spoke Parking Garage

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Pentaglas  
Single-skin Cladding

Architect:  
FitzGerald Associates  
Architects



# Urban camouflage

When the architects of a new development wanted to mask the unsightly look of the concrete parking structure, they turned to Kingspan Light + Air's single-skin cladding solution.

The cladding needed to meet several criteria: affordable, sturdy and ventilating. With the Pentaglas cladding, the architect achieved all three while also complementing the design of the building it supports.

The translucent polycarbonate panels facilitate daylight and natural air into the garage - venting the CO<sub>2</sub>. The systems double tooth connection allows it to withstand high wind loads.



**"It gave a unique design element other than what you typically see for a garage, and allowed us to use a color that worked well and complemented the materials and color palette of the project."**

- Peter Szczelina, Architect, FitzGerald Associates Architects

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2014

Austin, TX, USA

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# Austin ISD Performing Arts Center



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UniQuad®  
Translucent Facade

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Architect:  
Pfluger Architects



# A star performer

Energy efficiency was an important factor for Pfluger Architects when designing the Austin Independent School District's Performing Arts Center. With help from the UniQuad system, the building achieved LEED certification and uses 23% less energy.

When combined with a glass system, occupants can still maintain sightlines to the outdoors but achieve better thermal performance than a floor-to-ceiling glass installation. UniQuad's light-diffusing panels help to eliminate glare and hot spots - critical for a building subject to the Texas sun.





2015

Surrey, BC, Canada

# Grandview Heights Aquatic Center

UniQuad®  
Translucent Facade

Architect:  
HCMA Architecture +  
Design



# World class performance

For this monumental facility, designed to accommodate world-class athletics, the design team expected world-class performance from the building envelope.

Looking for a system that could work with vision glass at the ground level, but also provide diffused light and strong thermal performance led architects to UniQuad. With an impressive peak span at 55 feet, the UniQuad system not only provides a breathtaking facade but gives the space clean, diffused daylight for athletes to focus on their craft.



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2011

Charleston, SC, USA

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# Boeing



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UniQuad®  
Translucent Facade

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Architect:  
BRPH Architects



# Building better light

UniQuad allows even, diffused light to enter the Boeing 787 Final Assembly Building in Charleston, South Carolina.

The architect wanted to include natural light into the facility, but also needed a system that could meet hurricane wind loads for its proximity to the Atlantic Ocean. UniQuad allowed designers to incorporate daylighting into the 85-foot tall hangar doors.



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2013

Akron, OH, USA

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# Akron Children's Hospital



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Pentaglas  
Single-skin cladding

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Architect:  
GDP Group



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# A splash of color

For patients in common areas and rooms facing the parking garage at Akron Children's Hospital, fun comes from being able to change the colors on the building. Designers were looking for a solution that could evenly diffuse light from the LED light boxes set behind the panels.

The panels and lighting add a bit of flare to an otherwise plain parking structure, and can hopefully bring some joy to the patients inside.



**"The panels have helped make the parking deck a real landmark in town."**

- Michael Marz, Architect, GDP Group

2014

Los Angeles, CA, USA

# Bloomingdale's

Quadwall®  
Translucent Sky light





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# Casting a new light

When the original fiberglass skylight turned yellow, this premier Bloomingdale's location knew it was time for a renovation. They chose the Quadwall system for it's ability to maintain color stability under the California sun.

The renovation of the skylight and selection of white polycarbonate panels have cast a completely new light on the store.



**“Changing those panels made a significant impact on the space at large. As far as the customer service side, our response has been extremely positive!”**

- Tangela Stephens, Construction Project Manager, Macy's Inc.

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2014

Washington D.C., USA

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# Eagle Academy

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Quadwall®  
Translucent Skylight

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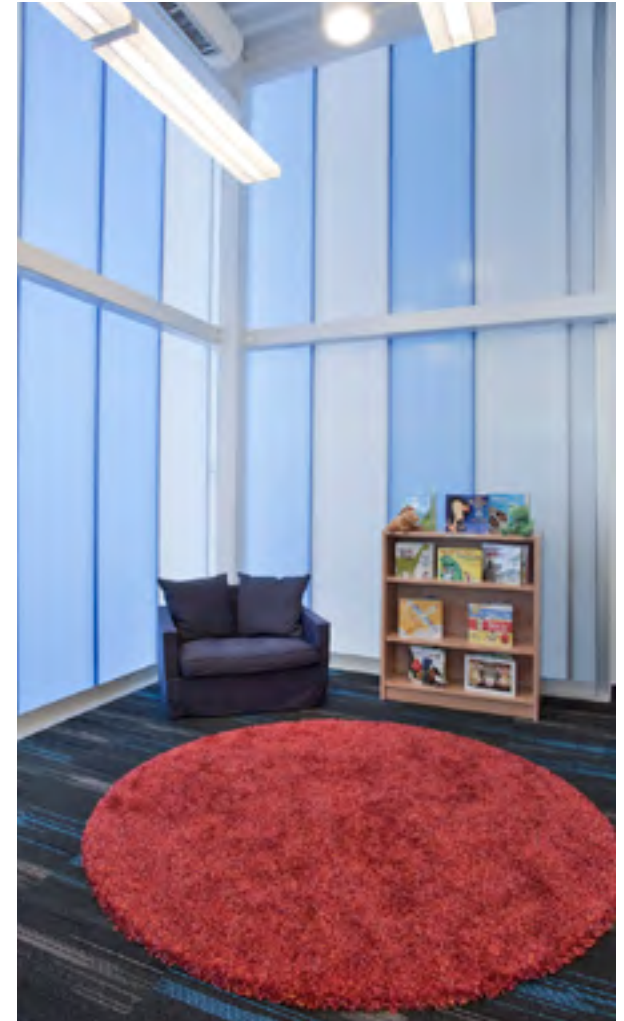
Architect:  
Shinberg.Levinas  
Architectural Design



# Light for early education

When designing the school, Eagle Academy was hoping for an intellectually stimulating and sustainable environment for students.

Understanding the value of daylighting in education, designers chose the UniQuad system for its removable skin technology, the privacy provided by translucence and its strong thermal performance - which helped the school to achieve LEED Silver.





2017

Indianapolis, IN, USA

# Indianapolis Zoo

BriteWay®  
Canopy

Architect:  
Ratio Architects





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# A sustainable solution

The zoo's Bicentennial Pavilion and Promenade was designed with sustainability in mind. Modeled after a lush rain forest, and crafted primarily from natural materials, the space uses 11 canopy pods to create shelter for up to 1,000 seated attendees.

The BriteWay canopy system allows natural light to come through, but also provides shelter and protection in the event of inclement weather. The canopies allow for collection of rainwater, which percolates into an aquifer.



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2009

Washington Township, NJ, USA

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# Virtua Washington Township



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UniQuad®  
Translucent Facade

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Architect:  
HGA Architects



# A healing light

The team at Virtua knew the healing benefits of natural light, so they wanted to incorporate as much as possible into their Washington Township facility.

The UniQuad system allowed for integration with vision glass systems, as well as durability and thermal performance. The architects knew that they needed a product for the pool area that could let in as much light as possible, but still stand up to the harsh, humid environment. UniQuad also provides a strong thermal performance - eliminating glare and hot spots, maintaining a comfortable climate throughout the facility.





2015

Chalmette, LA, USA

# Chalmette High School

BriteWay®  
Canopy

Architect:  
Lachin Oubre &  
Associates



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# Recovering with resilience

In the immediate aftermath of Hurricane Katrina, Chalmette High School was a literal lifeboat for its community, with the second floor providing a refuge while the first floor flooded with eight feet of water. Almost a decade later, the school was renovated and extended to accommodate and protect its students.

The BriteWay canopy was designed to connect the buildings, utilizing a unique curved shape to reflect the school's mascot - an owl. The covered space is now used to host outdoor activities and serve as overflow for the cafeteria.



2019

Baltimore, MD, USA

# BWI Airport - Concourse E

Quadwall®  
Translucent Skylight

Architect:  
URS/AECOM



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# A new look

For the new international terminal at Baltimore Washington International, the architects had a unique skylight in mind.

This monumental skylight is unique in its serpentine design, creating unique angles throughout. The Kingspan Light + Air architectural support team was up for the challenge and helped to create this unique focal point. To add interest to an already interesting piece, the designers also incorporated LED lighting to change the look.



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2018

Madison, WI, USA

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# Madison Fire Station #14

UniQuad®  
Translucent Facade

Architect:  
OPN Architects





# Form and function

Station #14 functions as a fire station, first and foremost, but also as a home base, gym, training facility and public polling location.

Station #14 had to accommodate a specific site orientation for fire trucks leaving the station, which required the main facade to face west. City engineers and OPN Architects wanted to introduce a glass wall for daylighting, but they were concerned about controlling solar heat gain and glare. Their solution was the UniQuad® translucent wall panel system.



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2007

San Francisco, CA, USA

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# Mission Creek Kayak Storage

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Pentaglas  
Single-skin cladding

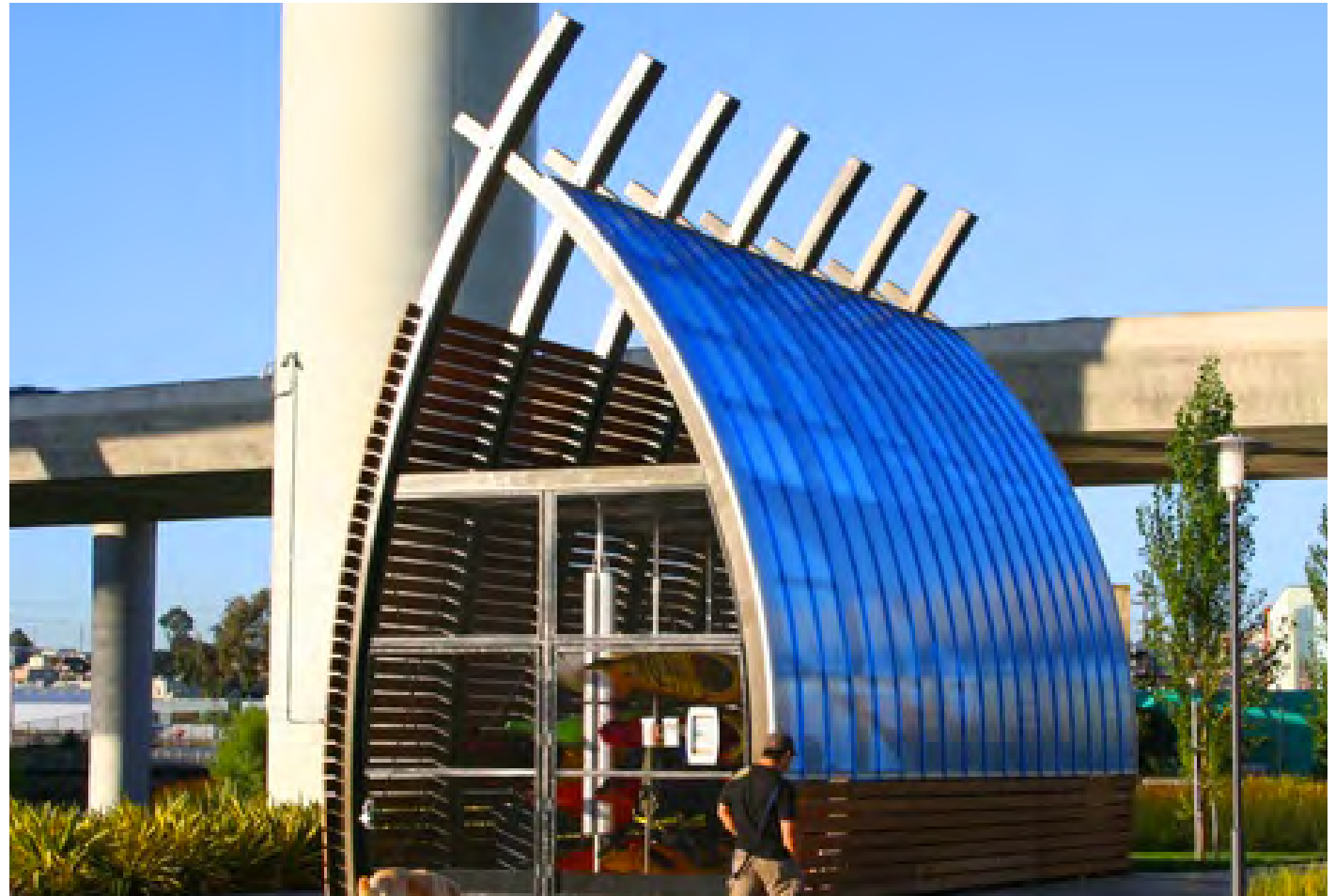




# Paying homage to history

The goal for the Mission Creek Maintenance Facility in San Francisco was to add a piece of functional art to the newly created park, which replaced a neglected space beneath a nearby freeway.

Blue Pentaglas glazing was used to clad the facility, with curves and bends above the entrance. The canopy was designed to resemble a wave, creating a unique look that references the site's nautical context and pays homage to the historic wooden ships that used to sail Mission Bay.



2017

Oklahoma City, OK, USA

# Mexican Radio

Quadwall®  
Translucent Skylight

Architect:  
Gardner Architects



# A festive setting

Inspired by stained glass designs, the owners of Mexican Radio knew that they wanted to create a fun and festive outdoor area for their new restaurant. With the wide variety of standard glazing color options and strong performances, they chose the BriteWay canopy system.

The outdoor eating space carries the festive look of the interior out to the patio. With the addition of clear curtains, the patio area stays at a comfortable temperature year round.





2019

Chicago, IL, USA

# KLEO Art Residences

UniQuad®  
Translucent Facade

Architect:  
JGMA



# A ray of hope

As an expansion of the K.L.E.O. organization's mission to eradicate violence through arts and culture, KLEO Art Residences was developed. The space includes residences, retail space and art studios.

The architects knew that they wanted this building to be a beacon of hope for the community, but also wanted natural light inside and were drawn to the UniQuad system. The vibrant colors of the facade provide a unique appearance in the neighborhood, and when backlit by interior lights in the evening - it becomes a lantern of hope.





2008

Champaign-Urbana, IL, USA

# University of Illinois ARC

Quadwall®  
Translucent Skylight

Architects:  
Hughes Group  
Architects & VOA  
Associates



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# A focus on wellness

University of Illinois' ARC was designed to make fitness and wellness attractive and approachable to students.

Given the nature of the facility, it was important to make sure that the environment was well-lit, but also provided glare-free light to create a comfortable thermal environment. The Quadwall system allows for an abundance of light, allowing athletes and non-athletes the ability to focus on their training goals.



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