

**lumenpulse**<sup>TM</sup>  
Sustainable architectural LED lighting systems

**lumenfacade**<sup>TM</sup>  
application guide

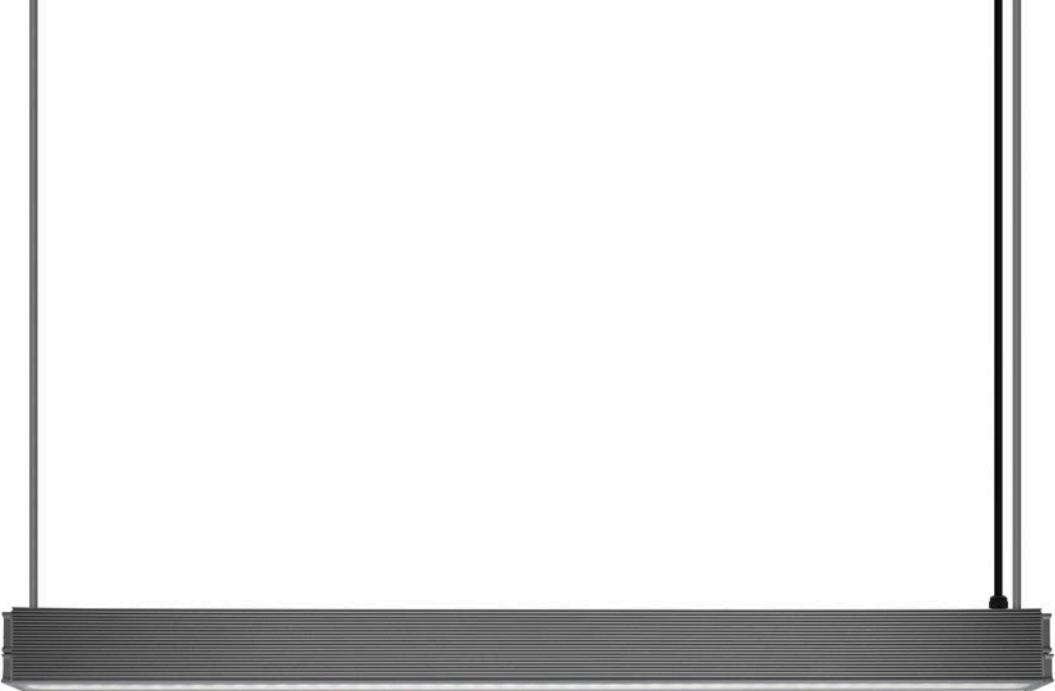


# Lumenfacade family

The Lumenfacade family now possesses a greater optic flexibility and is adaptable to any and all of your architectural, design, and concept dreams.

The new Lumenfacade configurations build on the solid reputation of this family's exceptional past. These linear projectors keep evolving and the introduction of nine new optics unlocks an even larger plethora of versatile applications.

This is all to say that their grazing, floodlighting, and wallwashing abilities have grown exponentially. They are available in 1', 2', 3' or 4' sections, are weatherproof, they come with a 5-year warranty and will outlive their competition with an LED lifetime of 120,000 hours (L70 at 25 °C).



Pendant



Inground

Remote

Horizontal

Interior

Exterior


Stand Alone




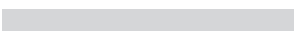
# Versatility

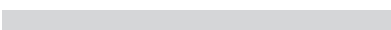
The multitalented lumenfacade family showcases Lumenpulse’s unparalleled approach to facade lighting. Easily configurable, these luminaires grant users a toolbox brimming with features and solutions. They can easily be tailor fit to an abundance of situations and designs. There is no other luminaire with such a cornucopia of options on the market.

## OPTIONS

1 ft. 

2 ft. 

3 ft. 

4 ft. 










ASHRAE RO HO

**OPTICS:**

**Symmetric:** 8° × 8° 10° × 10° 30° × 30° 35° × 35° 60° × 60° 80° × 80° 90° × 90°

**Bi-symmetric:** 10° × 30° 10° × 60° 10° × 90° 15° × 25° 30° × 60° 50° × 80°

**Asymmetric:** Asymmetric Wallwash

2200K 2700K 3000K 3500K 4000K 6500K<sup>1</sup> Red Green Blue Royal Blue<sup>1</sup>

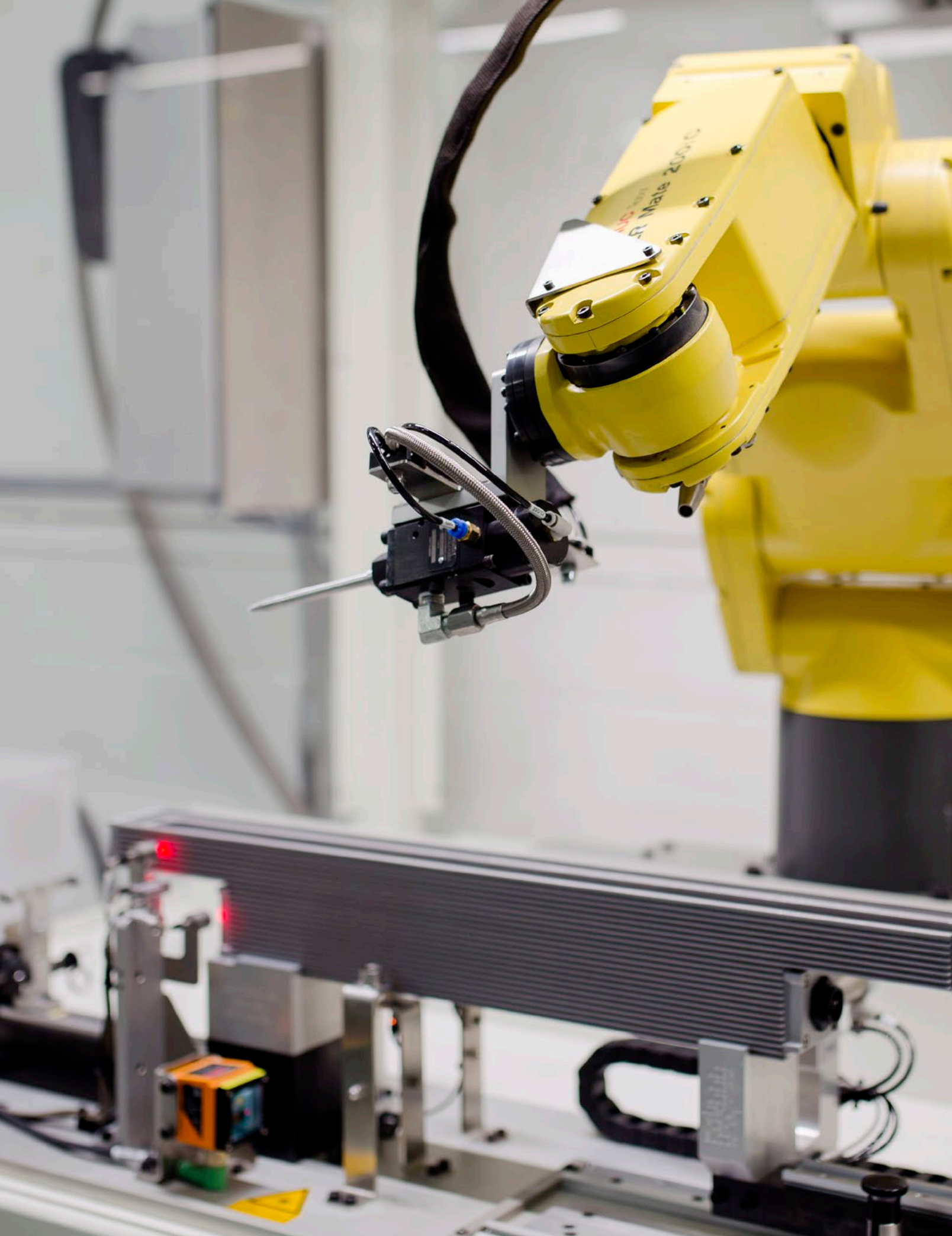
Dynamic Warm Dynamic White RGB RGBW RGBA

ON/OFF 0-10V DALI DMX/RDM   

<sup>1</sup> Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.  
<sup>2</sup> Vary according to model. Consult specification sheet.





# We build to last

Each member of the Lumenfacade family embodies a graceful ruggedness. With an unmatched LED lifespan of 120,000 hours (L70 at 25 °C), a 5-year warranty, and a complete resilience to hostile environments, this is a family of tough luminaires.



**Outdoor use**  
IP66 rated for sustained outdoor use.



**Harsh environments**  
-25° C to 50° C [-13F to 122F] operating temperatures



**Suitable for bridges**  
Meets 3G ANSI C136.31 vibration standard for bridge applications.



**Corrosion-resistant option (CRC)**  
Suitable for hostile environments; salt spray, harsh chemicals and extreme outdoor exposure.



# New optics

The combination of our new symmetrical, bi-symmetrical, and asymmetrical distributions, along with our Lumenfacade lengths, colors, and controls, is a perfect solution to every facade lighting challenge: grazing, floodlighting, wallwashing, accentuation, and direct view.



**Symmetric**  
Perfect for spot and flood lighting.




**Bi-Symmetric**  
Perfect for grazing applications.




**Asymmetric**  
Perfect for wallwashing.

## Grazing p.13

New

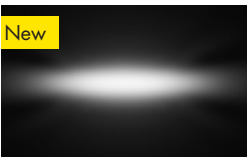


10° x 30°




10° x 60°

New




10° x 90°

New



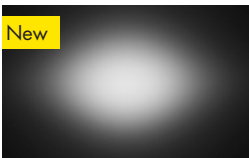
15° x 25°

## Flood lighting p.21




30° x 60°

New

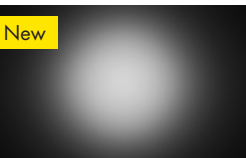


50° x 80°



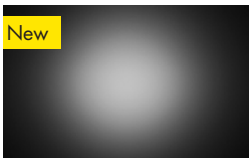
60° x 60°

New



80° x 80°


New




90° x 90°

## Accent and spot lighting p.29

New




8° x 8°



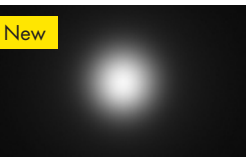
10° x 10°

New



30° x 30°

New



35° x 35°

## Wallwash p.35



Asymmetric wallwash

## Direct view p.37



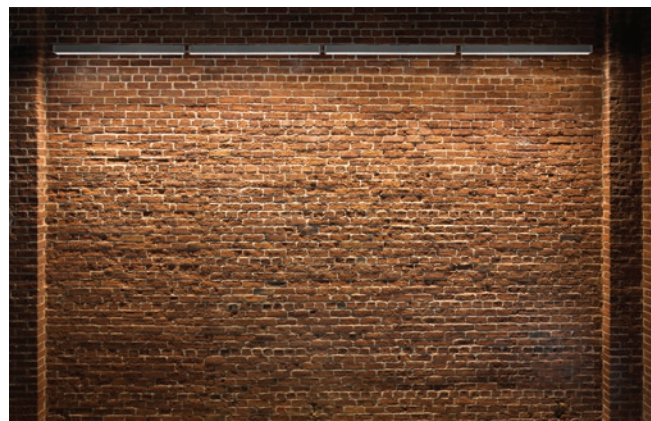
Direct view

# Optical flexibility

The Lumenfacade family's flexibility makes them a sure fit for custom, case-by-case designs. Each luminaire gives designers the tools to tackle all aspects of any project. Whether it be cornices or columns, window arches or textured concrete, the Lumenfacade is capable of ushering a design vision into reality.

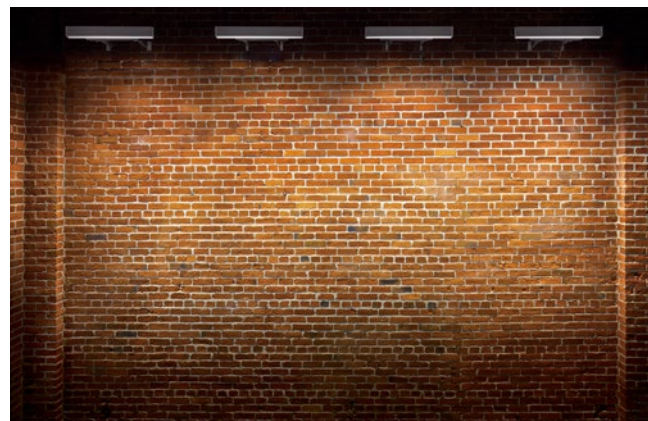
## Grazing

Skimming light at an acute angle to accentuate texture.



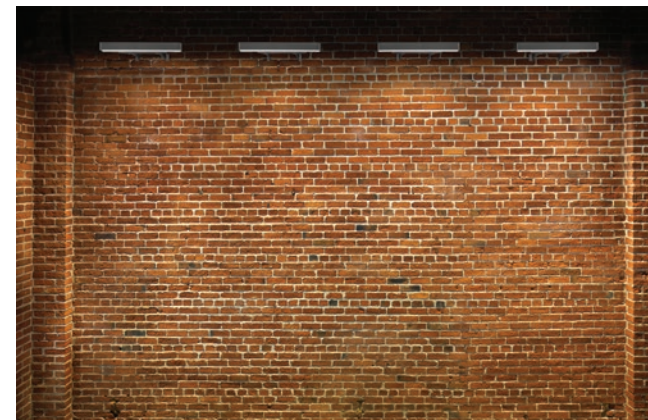
## Flood lighting

A wide dispersion of light for general illumination.



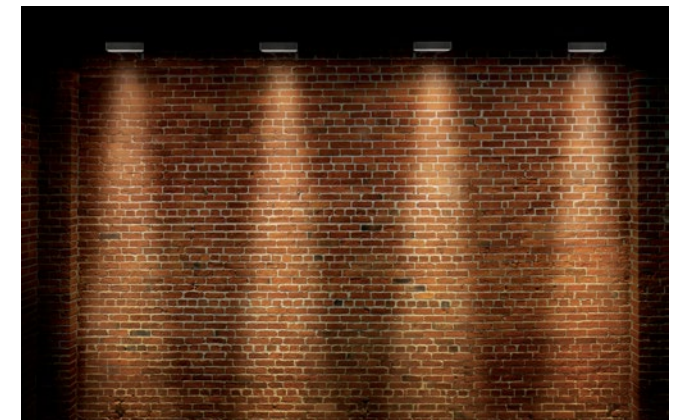
## Wallwash

Uniform coverage that reveals and conceals.



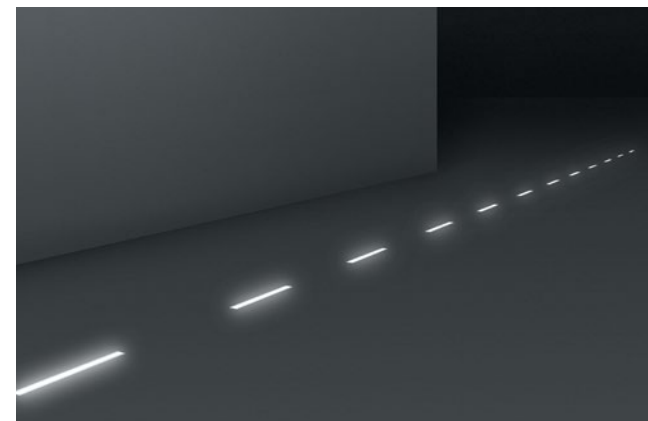
## Spot and accent lighting

Integrated into the architecture for dramatic effect.



## Direct view

Creates various ambient scenarios and wayfinding support.





Up to  
**77,896 cd**  
LOG, 8° × 8°, 4 ft., 4000K

# Performance

Where performance is concerned, Lumenfacade really goes the distance; our precision optics allow you to place light exactly where it's needed. The new 8° × 8° optic delivers an exceptional 77,896 peak candelas, enough to put 1 fc of light at a distance of 279 feet.

**Narrow optics with great performance**

Lumenfacade HO, 4', 4000K

	Delivered outputs	Intensity
8° × 8°	4,045 lm	77,896 cd
10° × 10°	3,768 lm	38,346 cd
10° × 30°	3,830 lm	30,056 cd
10° × 60°	3,692 lm	19,654 cd
10° × 90°	3,576 lm	7,897 cd





NoMad Hotel, New York, NY, USA  
Lighting Design: Tillotson Design Associates  
Optics: Lumenfacade™ Horizontal, 4', 2700K, 10° x 60°

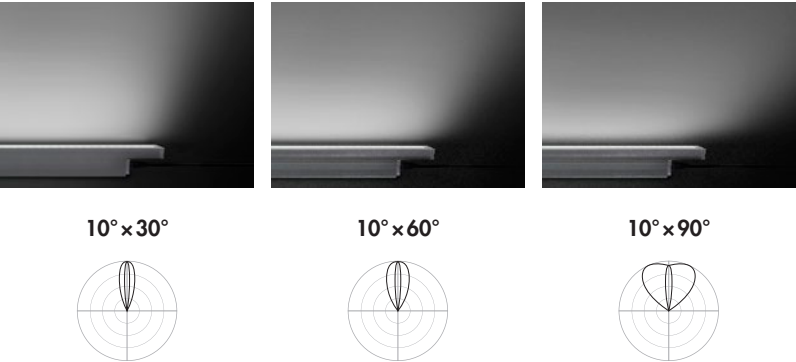
# Grazing

A fantastic technique for creating drama through the accentuation of a textured surface. Grazing works best on roughened surfaces such as brick or stone, and is less successful on smoother materials. Positioned close to the surface and carefully aimed, grazing luminaires use a small amount of light to create an impressive effect.

Lumenfacade HO, 4', 4000K

	Delivered outputs	Intensity
10° x 30°	3,830 lm	30,056 cd
10° x 60°	3,692 lm	19,654 cd
10° x 90°	3,576 lm	7,897 cd

## Range of grazing optics







St. John the Evangelist Church, Winthrop, MA, USA  
Lighting Design: Paul Marks



## Grazing heights

**Using just 440W of power to light the entire facade, a sensitive grazing technique reveals the beautifully textured brickwork of this historic church, while light is expertly controlled to avoid impacting the neighbouring community.**

Requiring only a 4-inch set-back from the wall, the Lumenfacade fixtures were able to blend in with the architecture and remain discreet. The fixture's flat lens and narrowly focussed beam prevent light spill, reducing the impact on the surrounding habitat.

Not only does the Lumenpulse solution respect the architectural integrity of the building, it also dramatically reduced energy consumption by using only 441 watts, which is approximately 75% less energy than traditional sources. And, thanks to Lumenpulse's dual chamber technology, the entire lighting solution can be easily accessed and maintained on site providing the church with the benefit of a fully sustainable lighting solution.

1. Just four, 2-foot lumenfacades above the doorways reveal the intricate brickwork and accent the depth of the entire wall.
2. Arched windows and cornices are revealed and can be seen for miles. Any architectural protrusion is ripe for the shadow play of grazing.





1. **Latham Hotel**, Philadelphia, PA, USA  
 Client: Ocean Properties, Ltd.  
 Lumenfacade Remote, 3000K, 10°×60°
2. **Montreal Clock Tower Pier**, Montreal, QC, Canada  
 Lighting Design: Éclairage Public  
 Lumenfacade™, 1°, 3000K, 10°×60°





**10° × 60°**

Grazing breathes  
a dimension of depth into  
every texture





Accuracy and  
precision with a  
long, long lifespan

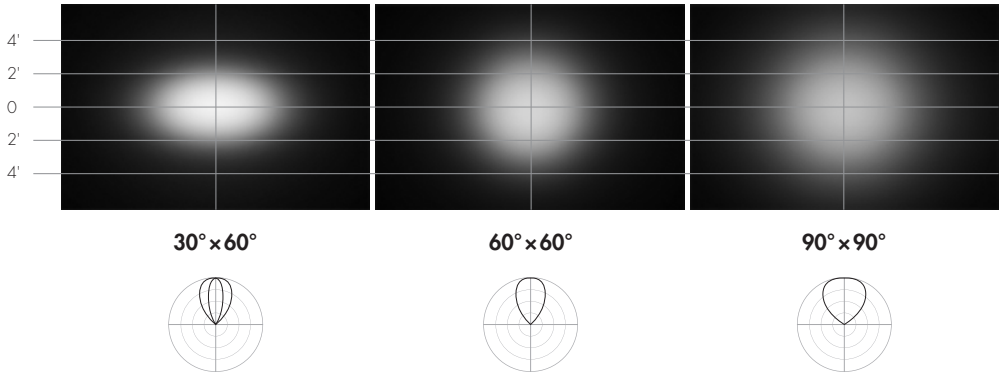
# Flood lighting

Flood lighting is achieved using a wide, even beam distribution that is indispensable for illuminating an extensive surface such as an overhung canopy, a train platform, or a walkway. The Lumenfacade fixtures can easily be outfitted with accessories such as a louver to provide visual comfort and to shield from glare.

Lumenfacade HO, 4', 4000K

	Delivered outputs	Intensity
30°×60°	3,862 lm	5,119 cd
60°×60°	3,447 lm	3,015 cd
90°×90°	3,592 lm	1,886 cd

## Range of flood lighting applications



Lumenfacade™ Inground,  
4', 3500K, 60°×60°





MIT Great Dome, Cambridge, MA, USA  
Lighting Design: Sladen Feinstein Integrated Lighting Inc.



## Flooding the recesses

**“The Lumenfacades are fantastic. The fixture is beautifully even and uniform; there are no hotspots, and it travels the whole height of the Dome. It was the perfect fixture for distribution and intensity.”**

Julie Rose, Sladen Feinstein Integrated Lighting Inc.

The lighting design of MIT's Great Dome increased ambient light to impart a bright, “daytime” feel. In a space once nicknamed the “Batcave”, this has had an immediate impact: the amount of students using the reading room has doubled following the renovation.

With increased dimming controls, the school can now also tailor the lighting scheme for different events, opening up the space to an entirely new lease on its iconic life – one based on rediscovering and celebrating what was there from the start.

1. Concealed in a cove at the base of the dome, Lumenfacades were placed to evenly flood the entirety of MIT's famous roof, revealing the beauty of its details for the first time.





80° x 80°  
Lumenfacade™ Pendant  
4', 4000K





60° x 60°

Lumenfacade™ HO  
4', 5700K

Pont Lafayette, Lyon, France  
Client: Ville de Lyon





The Carmelite Chapel, Montreal, QC, Canada  
Lighting Design: Éclairage Public  
Lumenfacade Interior, 1', 3000K, 10° x 10°

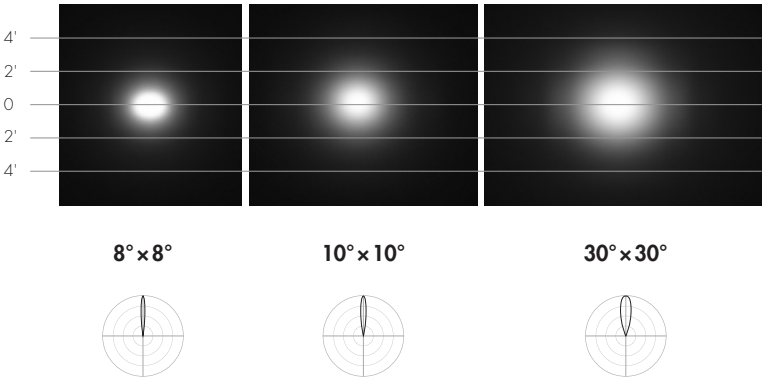
# Accent and spot lighting

Accent and spot lighting Lumenfacades use optics that produce narrow beam precision to highlight building features, such as window frames, columns and exceptional architectural details. The outcome of such lighting techniques creates a rhythm of light, where only key parts of a structure are accentuated.

Lumenfacade HO, 4', 4000K

	Delivered outputs	Intensity
8° x 8°	4,045 lm	77,896 cd
10° x 10°	3,768 lm	38,346 cd
30° x 30°	3,765 lm	14,726 cd

## Range of accent and spot lighting applications







**The Caille Bridges**, Villes de Cruseilles et d'Allonzier-la-Caille, France  
Lighting Design: Les Eclairagistes Associés



## Accent and spot the difference

**“In our view, the Lumenpulse luminaires were the only fixtures suitable for this type of application, as their fastening systems are guaranteed to be resistant to the vibrations of bridge.”**

Joseph Frey, Les Éclairagistes Associés

Spanning the Usses River ravine between Geneva and Annecy, the Caquot Bridge is a structure that has come to symbolise this alpine region. As part of an extensive rejuvenation, lighting designers Les Eclairagistes Associés were engaged to create a symbol that would attract the attention of those travelling at night.

For the Caquot Bridge, Europe’s second highest arch bridge, Les Eclairagistes Associés selected Lumenfacade luminaires in a warm 3000K. The luminaires were installed underneath the bridge and aimed downward to emphasise the structure’s unreinforced concrete and its arch.

- 1. The arch can be seen from a distance, outlined against the night sky. Each pillar is individually highlighted with its own beam of light, creating a pleasing rhythm of light and shade.
- 2. The foundation of this architectural wonder is fully realized in the dark. The majesty of the bridge’s engineering is lit as a beacon to night travellers. The bridge’s dimensions are extended and enhanced by the illumination.





ECOLE SECONDAIRE  
SACRE COEUR

10° x 10°  
Lumenfacade™  
2', 3000K





Lumenfacade™ interior,  
4', 4000K, asymmetric wallwash

Up to

3.2 : 1

uniformity ratio

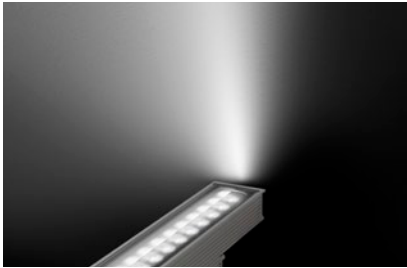
# Asymmetric wallwash

Asymmetric wallwash optic is a directional distribution that optimizes the spacing between luminaires to provide a smooth uniformity that can be used to conceal surface imperfections, floodlight facades, or illuminate signage. The cost efficiency of these luminaires is substantial as the wide, angled beams allow for fewer fixtures to be used.

Lumenfacade HO, 4', 4000K

	Delivered outputs	Intensity
Wallwash	3,447 lm	3,015 cd

Asymmetric wallwash







Edmunds Headquarters, Santa Monica, CA, USA  
Lighting Design: Advanced Lighting & Production Services

Used to direct,  
welcome, and  
decorate

## Direct view

Available in various lengths, color temperatures and colors (with evenly distributed color mixing), the Lumenfacade Inground gives architects and lighting designers linear luminous markers for parks, plazas, entrance ways, and other public spaces. The direct view optic is the perfect way to aid orientation, create graphic patterns or to provide low, ambient light. Direct view optics are faint enough to be looked at directly without strain to the eyes.

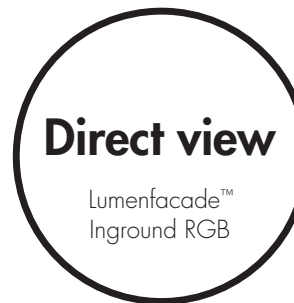
### Direct view optics







Beacon Park Treehouse, Irvine, CA, USA  
Lighting Design: PStudioK1



## Direction viewed

**“The Lumenfacade Inground's most important feature was its simplicity. It gives a great lighting effect on the ceiling while remaining ultra-minimal. It's just like an illuminated tile.”**

Brad Nelson, PStudioK1

The wood clad Treehouse picks up the subtle lighting changes throughout the evening, all while making the structure pop out in the park's nighttime landscape. “While you're navigating in the park, you can see this glowing element from anywhere. It just draws your attention, it's great”, says Nelson.

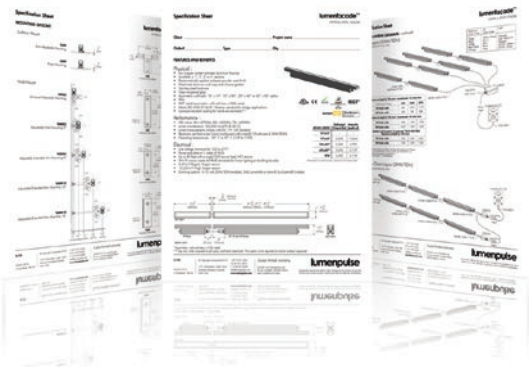
The firm chose Lumenfacade Inground RGB with direct view lens to light the interior of the Treehouse's canopy. “The great lumen output with the direct view lens was critical to us”, says Nelson.” We did not want people, especially children, staring directly into the LED sources when they are playing in the Treehouse. The Lumenfacade gives a diffused appearance while still delivering a high output to surpass our lighting requirements.”

1. Simultaneously promoting safety and visibility, the Lumenfacade direct view optic encourages the usage of space. It calls to those within view of these luminaires and welcomes them upon arrival.

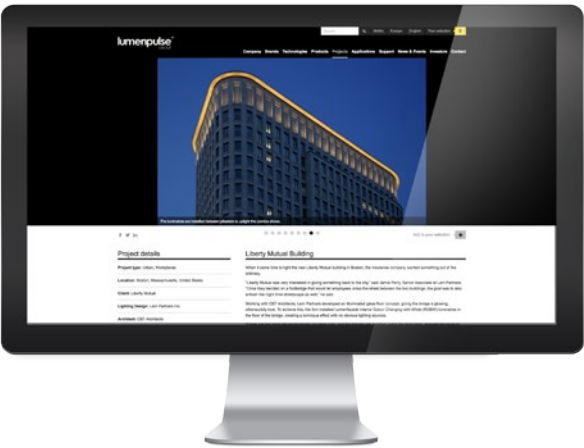


10°x60°  
Lumenfacade™ Interior HO,  
4', 3000K

Canadian Museum for Human Rights, Winnipeg, MB, Canada  
Lighting Design: Mulvey+Banani International Inc.  
Lighting Concept: Office for Visual Interaction, Inc. | OVI



Documentations



Website



Support files



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