

lumenpulseTM
Sustainable architectural LED lighting systems

lumenfacadeTM
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 30 cm, 60 cm, 90 cm, 120 cm 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

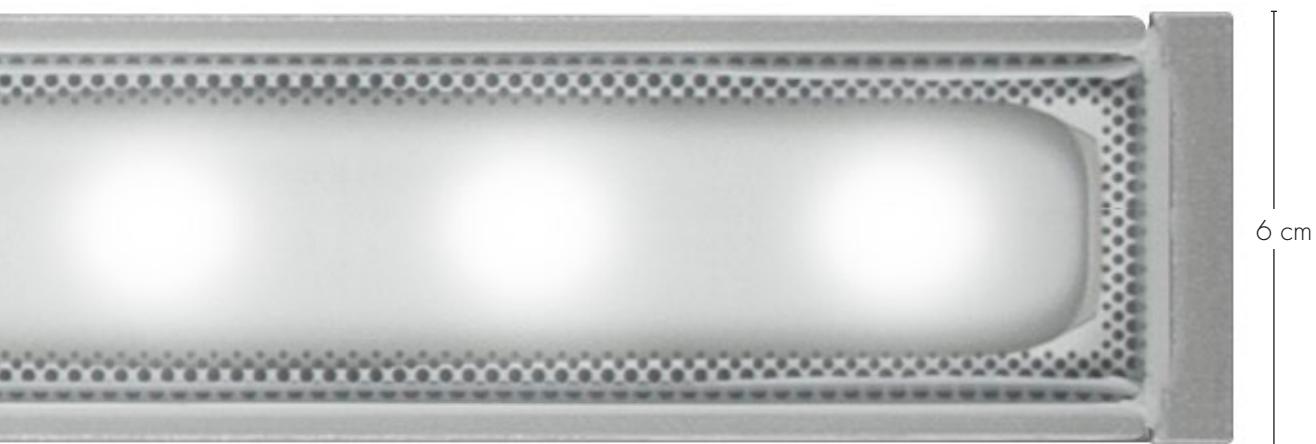
Remote

Horizontal

Interior

Exterior

Stand Alone



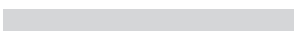
Versatility

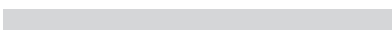
The multitalented lumenfacade family showcases Lumenpulse’s unparalleled approach to facade lighting. Easily configurable, these luminaires grant users a toolbox brimming with features and solutions. They can easily be tailor fit to an abundance of situations and designs. There is no other luminaire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


6500K¹


Red


Green


Blue


Royal Blue¹


Dynamic Warm


Dynamic White


RGB


RGBW


RGBA

ON/OFF

0-10V

DALI

DMX/RDM









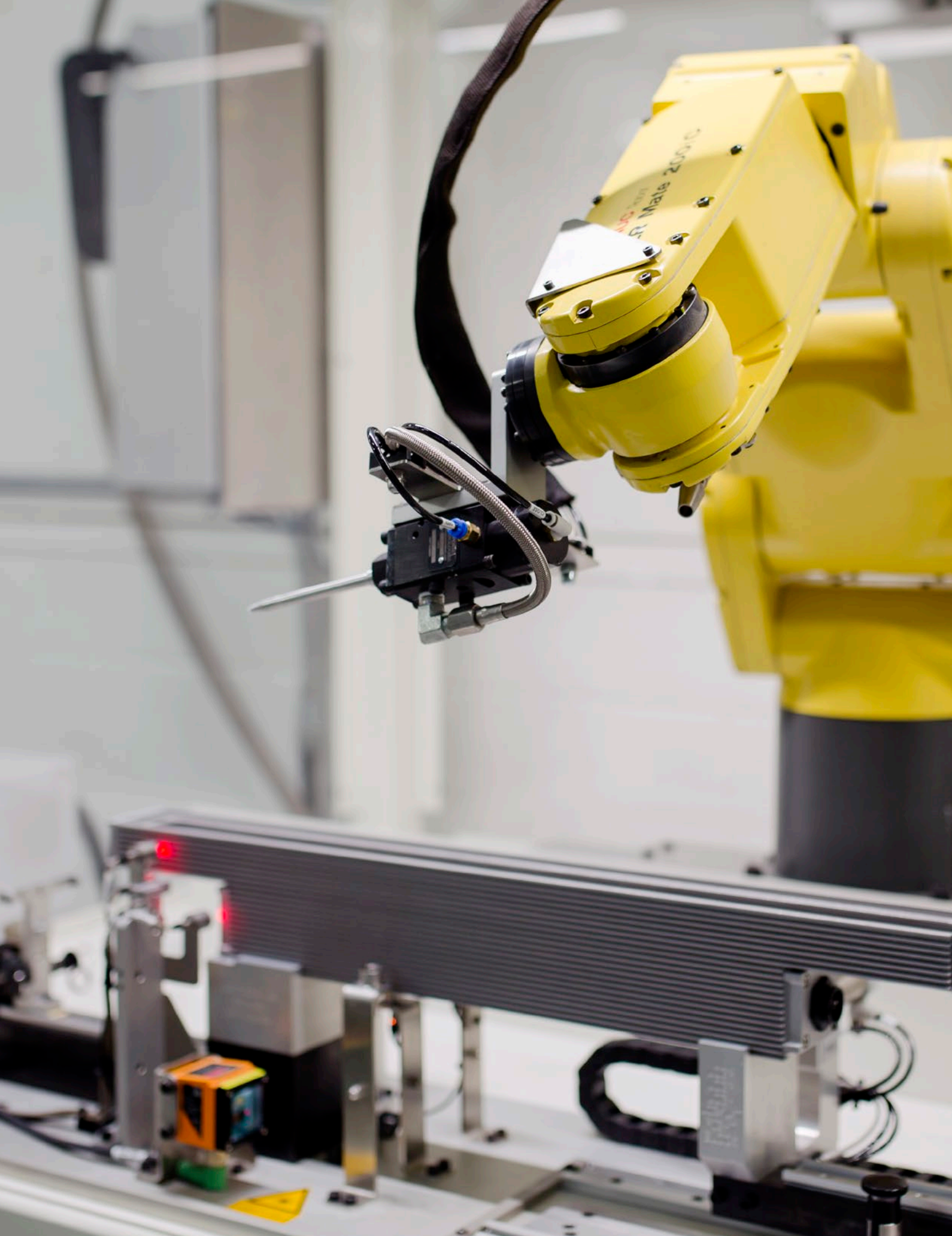








¹ Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.
² Vary according to model. Consult specification sheet.



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



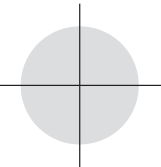
Suitable for bridges
Meets 3G ANSI C136.31 vibration standard for bridge applications.



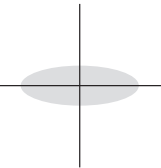
Corrosion-resistant option (CRC)
Suitable for hostile environments; salt spray, harsh chemicals and extreme outdoor exposure.

New optics

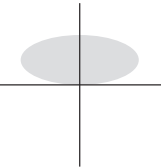
The combination of our new symmetrical, bi-symmetrical, and asymmetrical distributions, along with our Lumenfacade lengths, colours, and controls, is a perfect solution to every facade lighting challenge: grazing, floodlighting, wallwashing, accentuation, and direct view.



Symmetric
Perfect for spot and flood lighting.

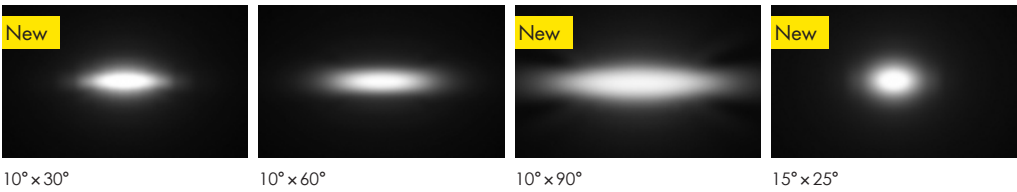


Bi-Symmetric
Perfect for grazing applications.

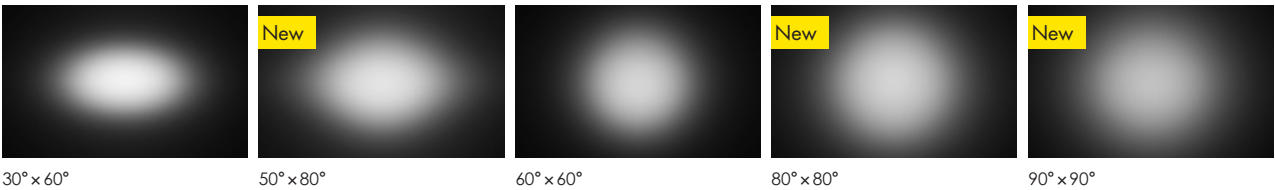


Asymmetric
Perfect for wallwashing.

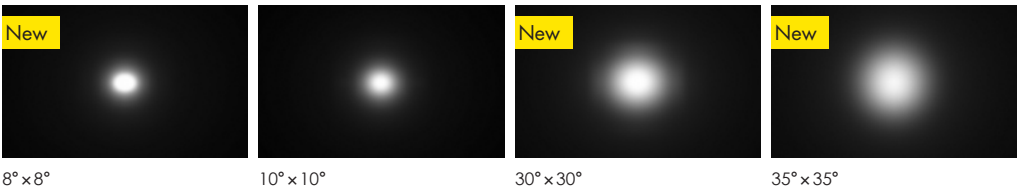
Grazing p.13



Flood lighting p.21



Accent and spot lighting p.29

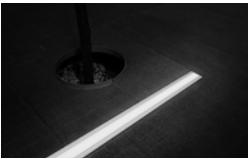


Wallwash p.35



Asymmetric wallwash

Direct view p.37



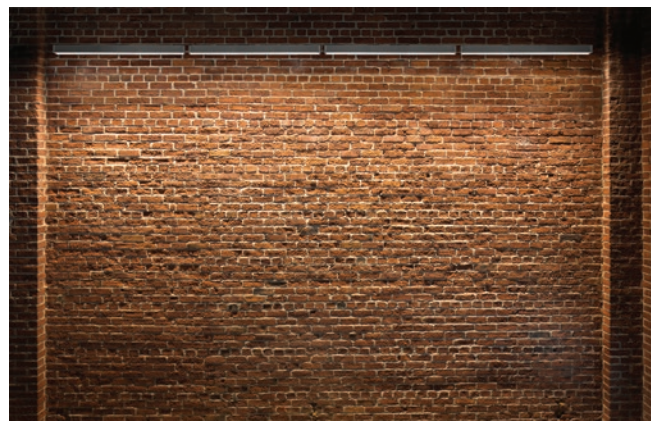
Direct view

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.

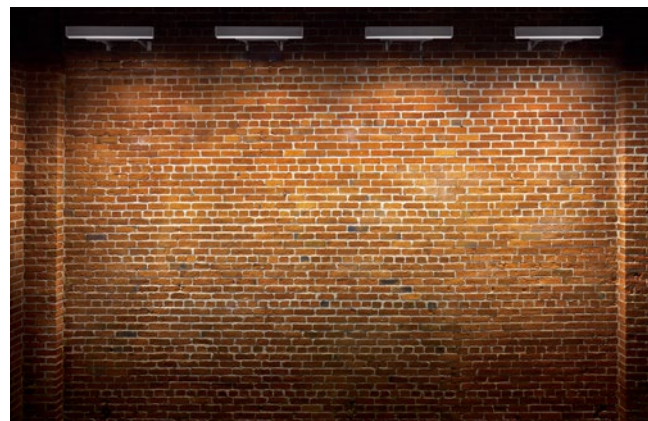
Grazing

Skimming light at an acute angle to accentuate texture.



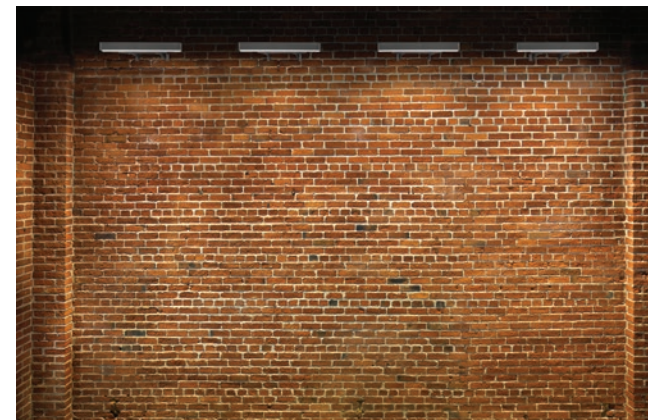
Flood lighting

A wide dispersion of light for general illumination.



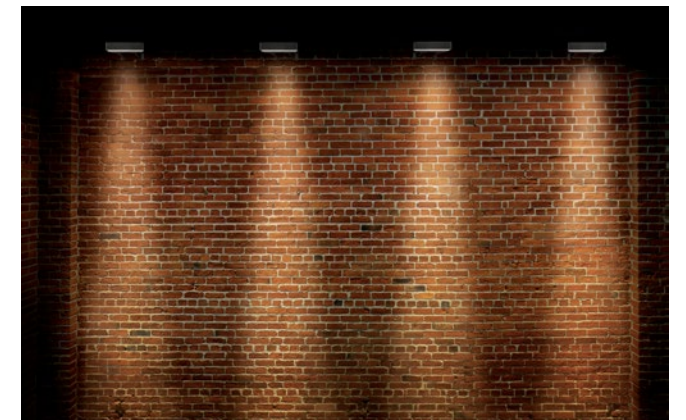
Wallwash

Uniform coverage that reveals and conceals.



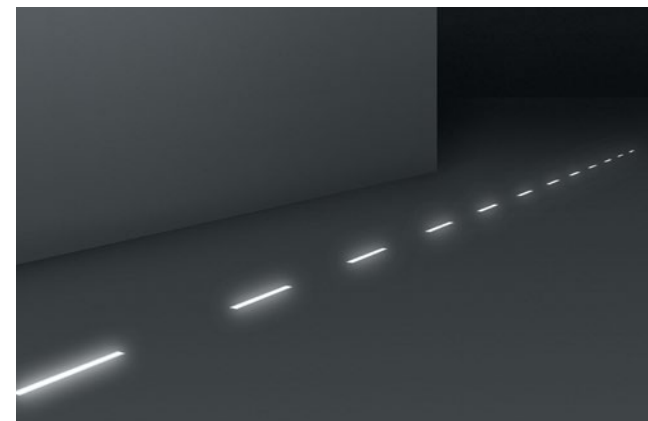
Spot and accent lighting

Integrated into the architecture for dramatic effect.



Direct view

Creates various ambient scenarios and wayfinding support.



Up to
77,896 cd
LOG, 8°×8°, 120 cm, 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 10 lux of light at a distance of 88 metres.

Narrow optics with great performance

Lumenfacade HO, 120 cm, 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, 120 cm, 2700K, 10°×60°

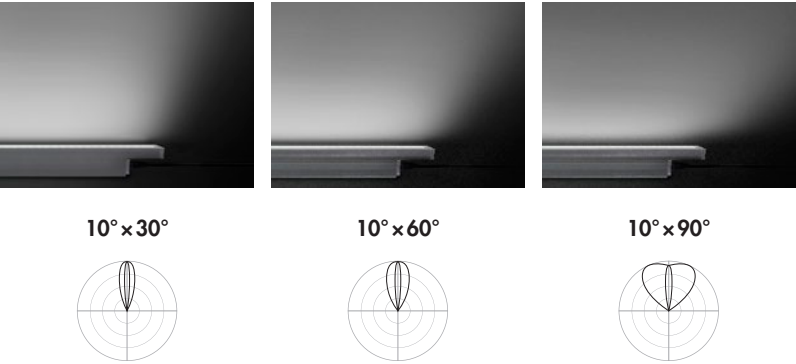
Grazing

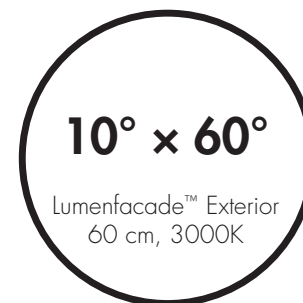
A fantastic technique for creating drama through the accentuation of a textured surface. Grazing works best on roughened surfaces such as brick or stone, and is less successful on smoother materials. Positioned close to the surface and carefully aimed, grazing luminaires use a small amount of light to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

Lumenfacade HO, 120 cm, 4000K

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

Range of grazing optics





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 10 cm 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, 60 cm 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° x 60°
2. **Montreal Clock Tower Pier**, Montreal, QC, Canada
Lighting Design: Éclairage Public
Lumenfacade™, 3000K, 10° x 60°



10° × 60°
Grazing breathes
a dimension of depth into
every texture



Lumenfacade™ Inground,
120 cm, 3500K, 60°×60°

Accuracy and
precision with a
long, long lifespan

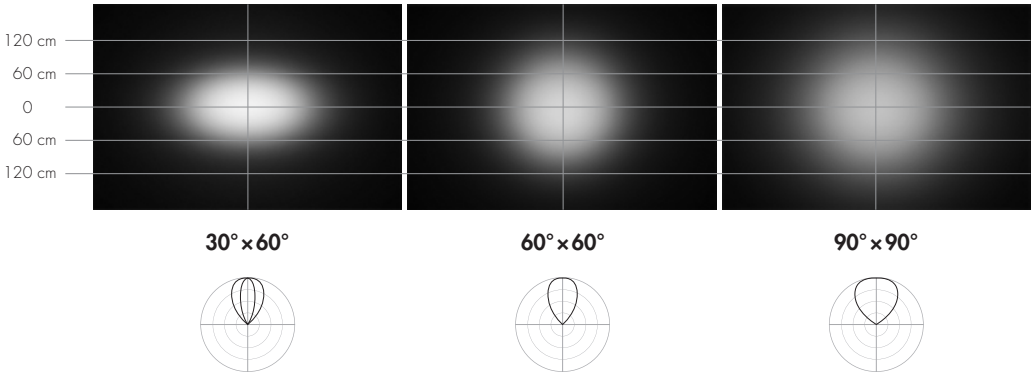
Flood lighting

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, 120 cm, 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





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
120 cm, 4000K



60° x 60°
Lumenfacade™ HO
120 cm, 5700K

Pont Lafayette, Lyon, France
Client: Ville de Lyon



The Carmelite Chapel, Montreal, QC, Canada
Lighting Design: Éclairage Public
Lumenfacade Interior, 30 cm, 3000K, 10° x 10°

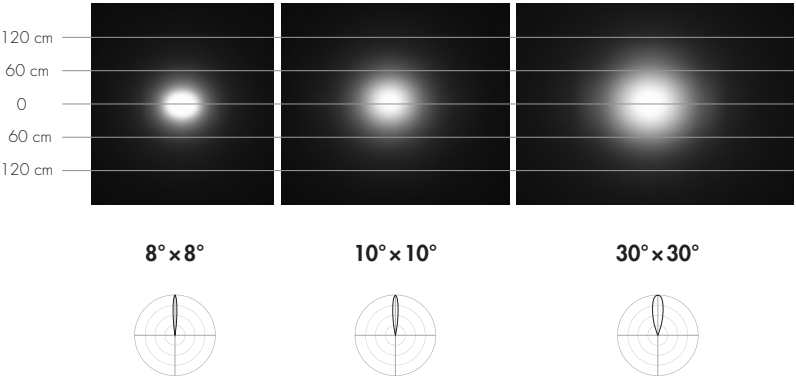
Accent and spot lighting

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, 120 cm, 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 realised 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.



Sacré-Cœur Centre, Sorel-Tracy, QC, Canada

10° x 10°

Lumenfacade™
60 cm, 3000K



Lumenfacade™ interior,
120 cm, 4000K, asymmetric wallwash

Up to
0.3
min./max.

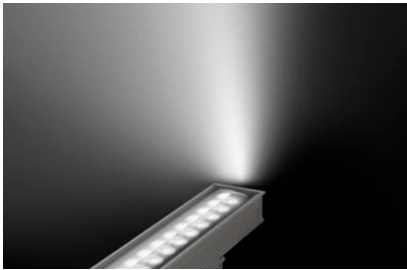
Asymmetric wallwash

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, 120 cm, 4000K

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

Asymmetric wallwash





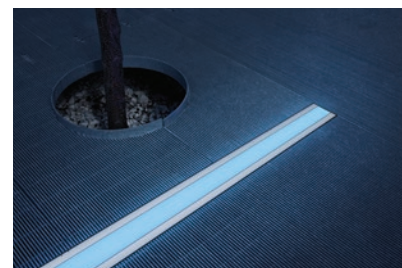
Edmunds Headquarters, Santa Monica, CA, USA
Lighting Design: Advanced Lighting & Production Services

Used to direct,
welcome, and
decorate

Direct view

Available in various lengths, colour temperatures and colours (with evenly distributed colour 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

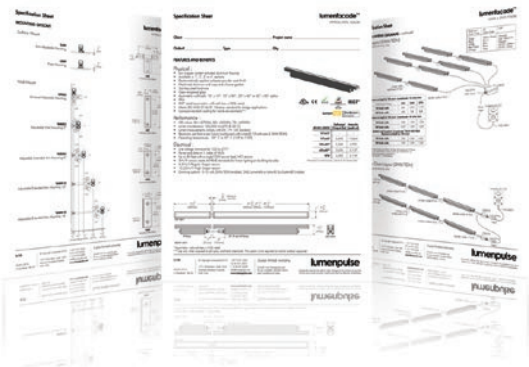
The wood clad Treehouse picks up the subtle lighting changes throughout the evening, all while making the structure pop out in the park's nighttime landscape. “While you're navigating in the park, you can see this glowing element from anywhere. It just draws your attention, it's great”, says Nelson.

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.”

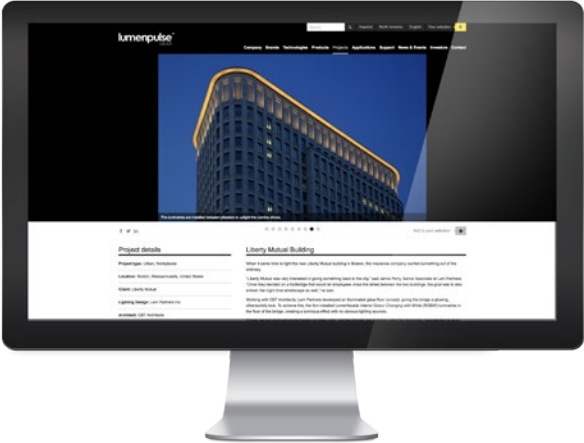
1. Simultaneously promoting safety and visibility, the Lumenfacade direct view optic encourages the usage of space. It calls to those within view of these luminaires and welcomes them upon arrival.

10° x 60°
Lumenfacade™ Interior
HO, 120 cm, 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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