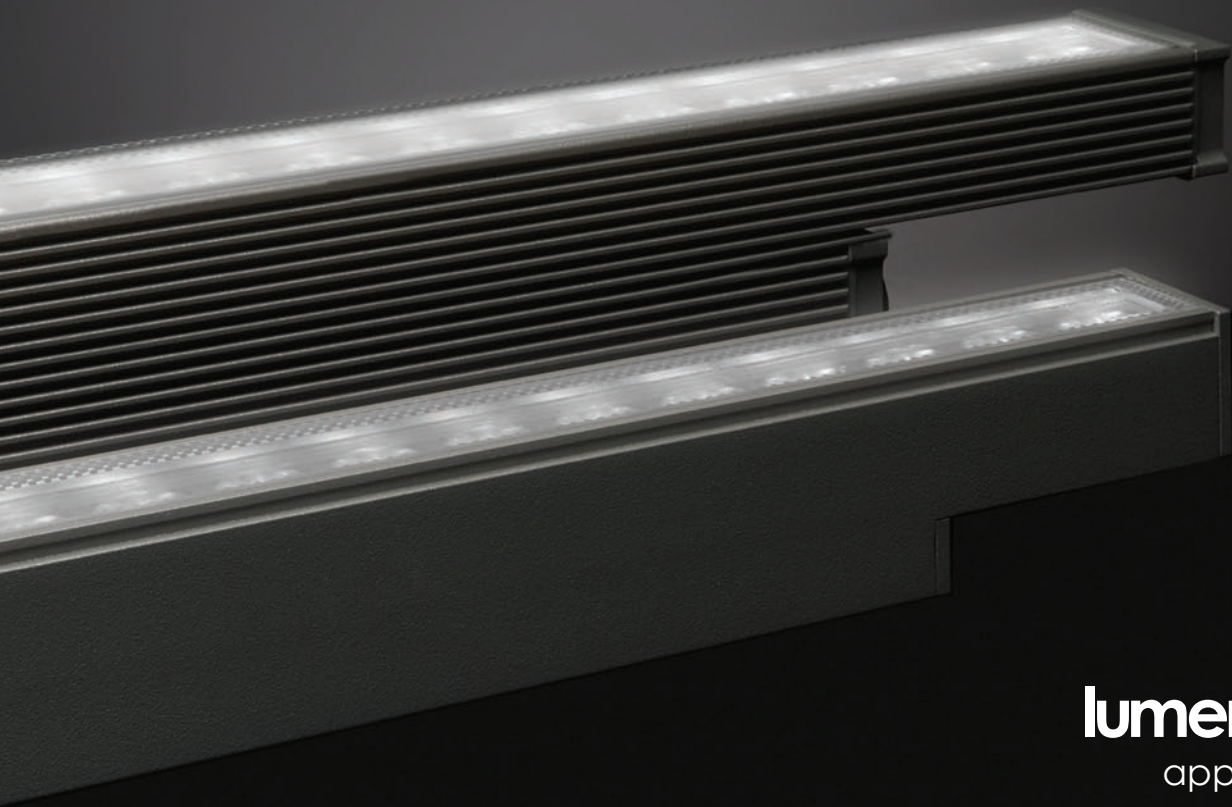


lumenpulse™



lumenfacade™
application guide

Lumenfacade family

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

Lumenfacade linear projectors keep evolving. With the creation of a new family member, the smaller, go-everywhere Lumenfacade Nano, an even larger array of versatile applications are available.

The entire Lumenfacade family's grazing, floodlighting, and wallwashing abilities have grown exponentially. They are available in 1 ft, 2 ft, 3 ft or 4 ft sections, are weatherproof, they come with a 5-year warranty and will outlive their competition with a LED lifetime of up to 120,000 hours (L70 at 25°C).



Pendant



- Inground
- Nano Horizontal **NEW**
- Nano **NEW**
- Remote
- Horizontal
- Interior
- Exterior
- Stand Alone

Product index

lumenfacade™

Exterior



Lumenfacade™



Lumenfacade™ Horizontal



Lumenfacade™ Remote



Lumenfacade™ Stand Alone



Lumenfacade™ Pendant



Lumenfacade™ Inground

Interior



Lumenfacade™ Interior

NEW

lumenfacade™ nano

Exterior



Lumenfacade™ Nano



Lumenfacade™ Nano
Horizontal

Interior

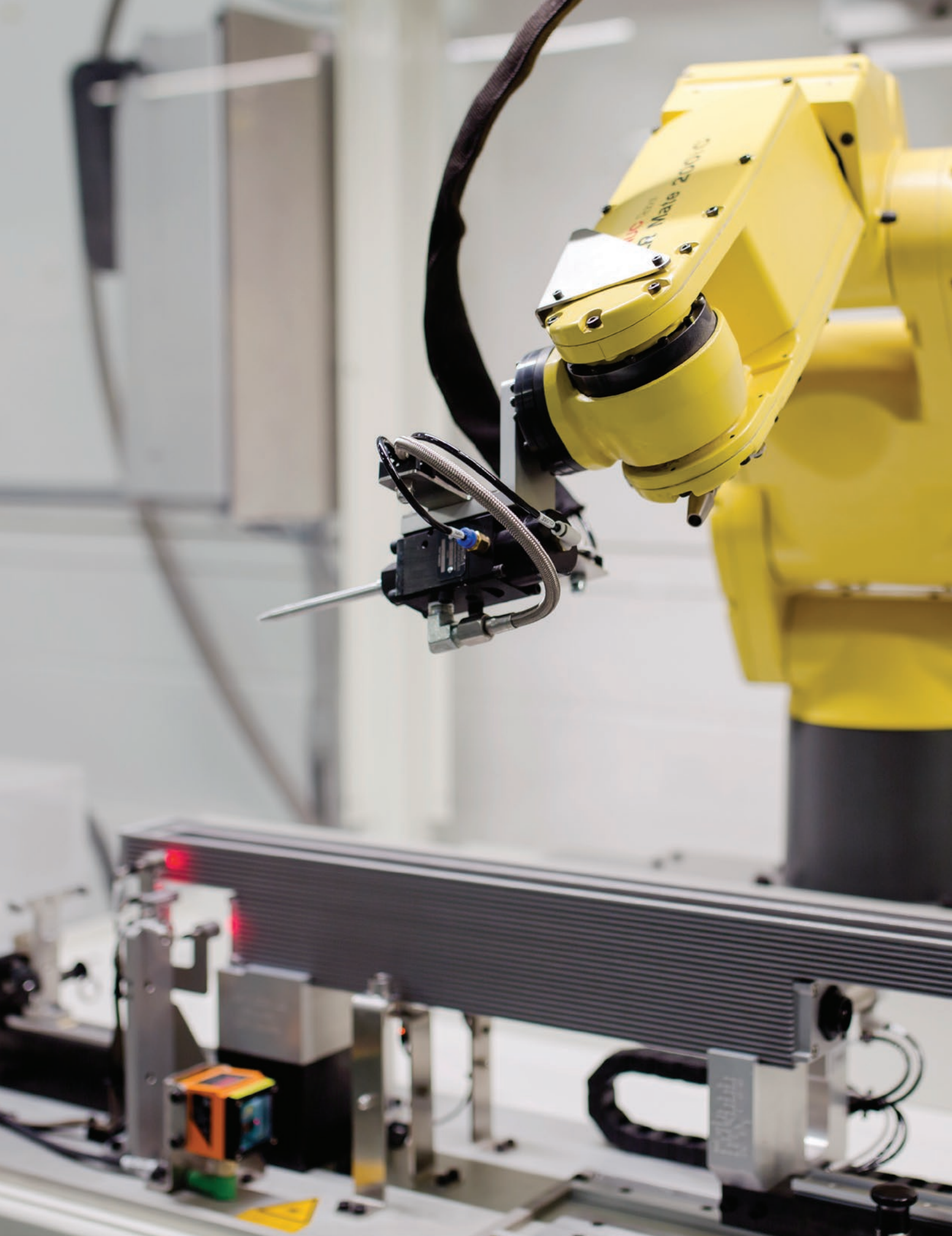


Lumenfacade™ Nano
Interior



Lumenfacade™ Nano
Horizontal Interior





We build to last

Each member of the Lumenfacade family embodies a graceful ruggedness. With an unmatched LED lifespan of up to 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 to IP68 rated for sustained outdoor use.



Harsh environments

-25 °C to 50 °C [-13 °F to 122 °F]
operating temperatures.



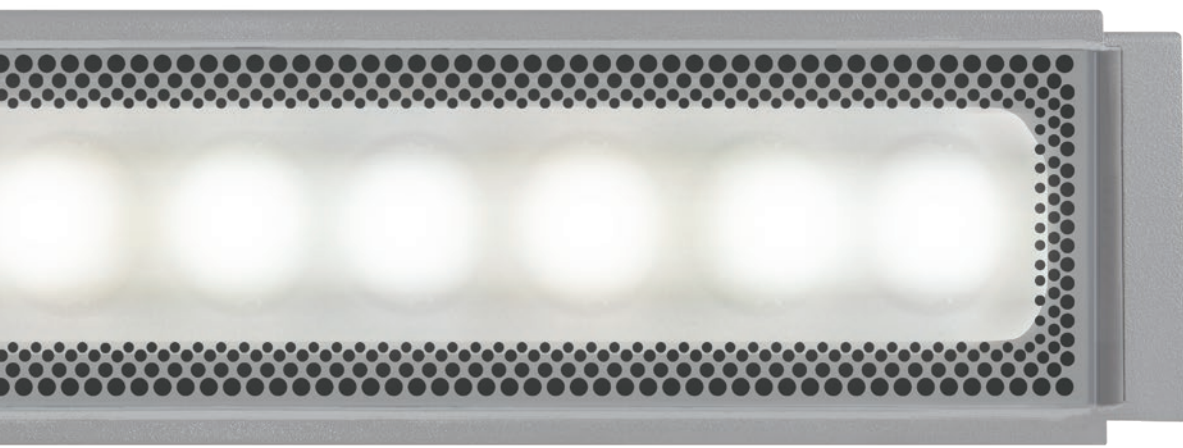
Suitable for bridges

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.

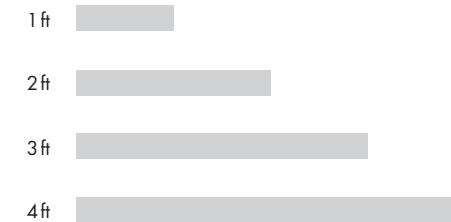


2 5/16"

Legendary 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. The legendary Lumenfacades 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.

LENGTHS ¹

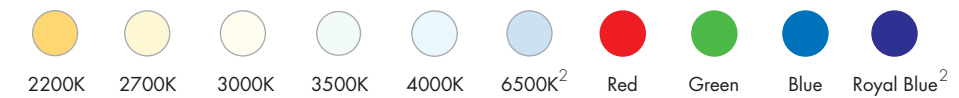


ASHRAE RO HO

OPTICS

- Symmetric:** 8° x 8° 10° x 10° 30° x 30° 35° x 35° 60° x 60° 80° x 80° 90° x 90°
- Bi-symmetric:** 10° x 30° 10° x 60° 10° x 90° 15° x 25° 30° x 60° 50° x 80°
- Asymmetric:** Asymmetric Wallwash

COLORS AND COLOR TEMPERATURES



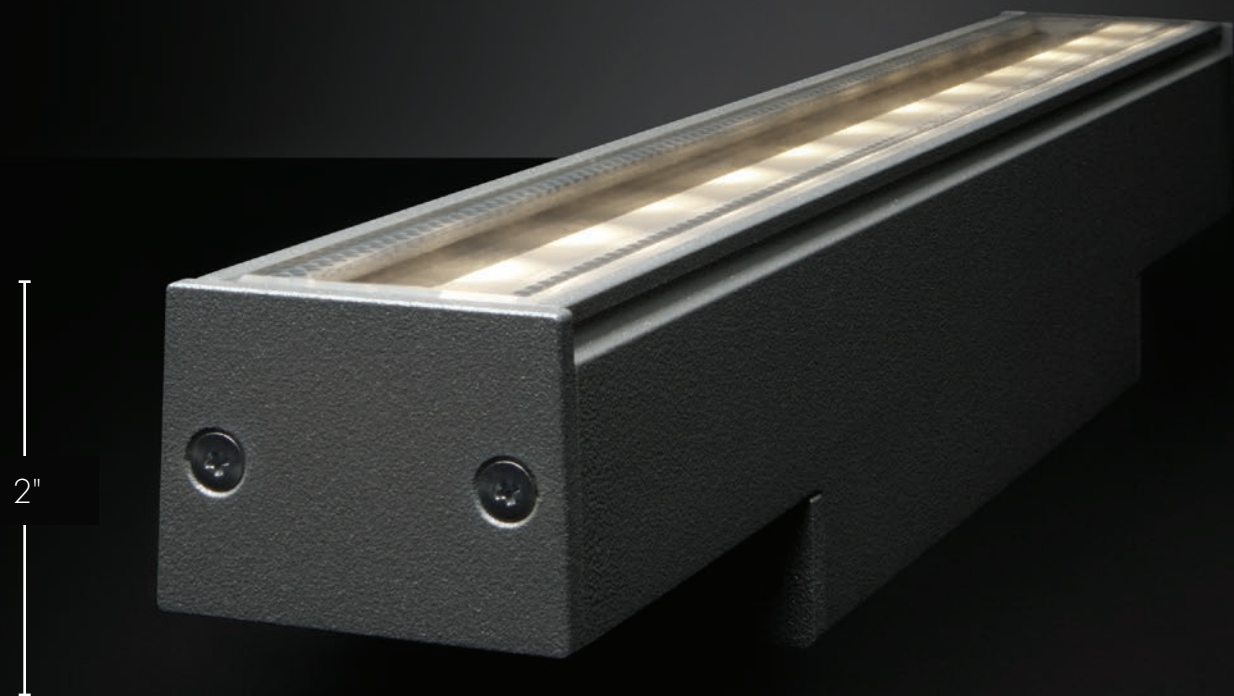
CONTROLS



CERTIFICATIONS AND OPTIONS ³



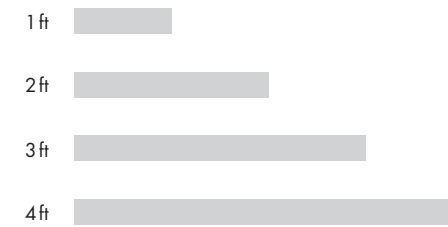
¹ Nominal lengths.
² Consult factory for availability of static Royal Blue, 6500K and +90 CRI.
³ Some exceptions, consult specification sheets for details.



Now in Nano!

The Lumenfacade Nano expands on the solid reputation of a tried and true classic. The new smaller, sleeker Lumenfacade Nano is designed with clean lines and pure aesthetics and has been optimized for maximum performance with minimal visibility in low-scale applications.

LENGTHS¹



OPTICS

Symmetric: 8° x 8° 10° x 10° 30° x 30° 60° x 60° 90° x 90° Wide 120°

Bi-symmetric: 10° x 30° 10° x 60° 10° x 90° 30° x 10° 30° x 60° 30° x 90°
60° x 10° 60° x 90°

Asymmetric: Asymmetric Wallwash

COLORS AND COLOR TEMPERATURES

2200K 2700K 3000K 3500K 4000K 6500K² Red Green Blue Royal Blue²

Dynamic Warm Dynamic White RGB RGBW RGBA

CONTROLS

ON/OFF 0-10V DMX/RDM

CERTIFICATIONS AND OPTIONS³

¹ Nominal lengths.
² Consult factory for availability of static Royal Blue, 6500K and +90 CRI.
³ Some exceptions, consult specification sheets for details.

Performance

No matter what the size of choice, our precision optics allow you to place light exactly where it's needed. The 8° x 8° optic delivers an exceptional 77,896 peak candelas, enough to put 1 fc of light at a distance of 279 feet.

Lumenfacade™ HO 4ft, 4000K

Lumenfacade™ Nano 4ft, 4000K, 4W/ft

Optic	Lumenfacade Delivered output	Lumenfacade Nano Delivered output	Lumenfacade Intensity	Lumenfacade Nano Intensity
8° x 8°	4,045 lm	1,530 lm	77,896 cd	41,352 cd
10° x 10°	3,768 lm	1,456 lm	38,346 cd	32,262 cd
10° x 30°	3,830 lm	1,435 lm	30,056 cd	9,126 cd
10° x 60°	3,692 lm	1,427 lm	19,654 cd	4,867 cd
10° x 90°	3,576 lm	1,424 lm	7,897 cd	2,551 cd

Up to
41,352 cd

Superb candelas with only
a fraction of the wattage
as its larger cousins.

Up to
77,896 cd



Lumenfacade™ Nano

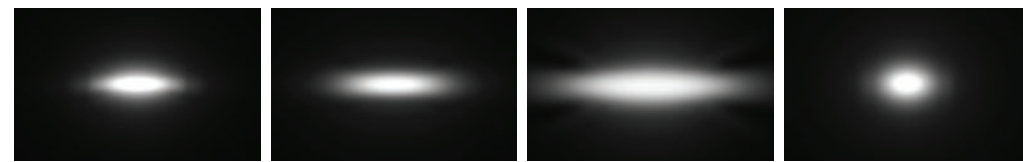
Lumenfacade™

Our optics

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

lumenfacade™

Graze



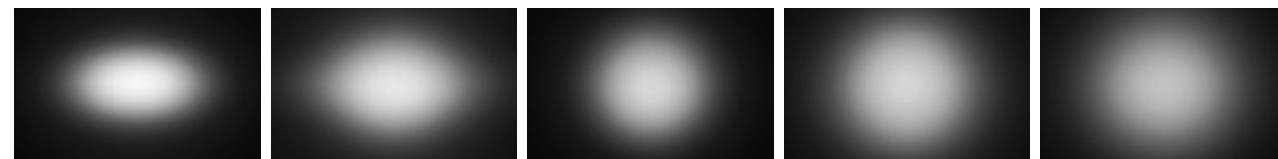
10° x 30°

10° x 60°

10° x 90°

15° x 25°

Flood



30° x 60°

50° x 80°

60° x 60°

80° x 80°

90° x 90°

Accent / Spot



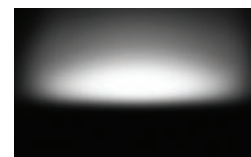
8° x 8°

10° x 10°

30° x 30°

35° x 35°

Wallwash



Asymmetric wallwash

Direct view



Direct view

lumenfacade™ nano

Graze



10° x 30°

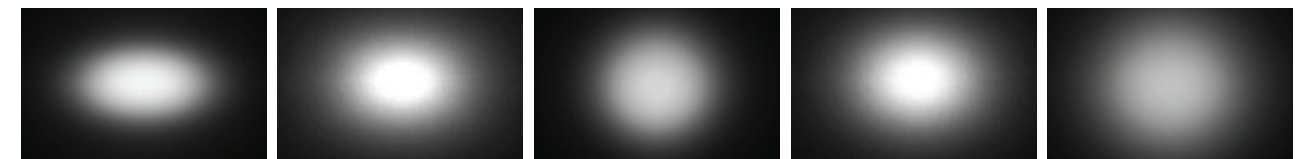
10° x 60°

10° x 90°

30° x 10°

60° x 10°

Flood



30° x 60°

30° x 90°

60° x 60°

60° x 90°

90° x 90°

Accent / Spot

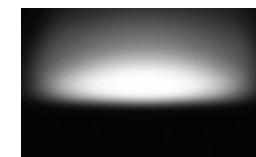


8° x 8°

10° x 10°

30° x 30°

Wallwash



Asymmetric wallwash

Wide



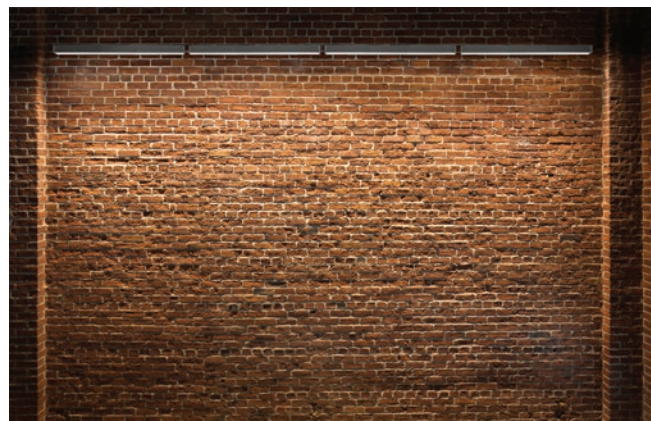
Wide 120°

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.



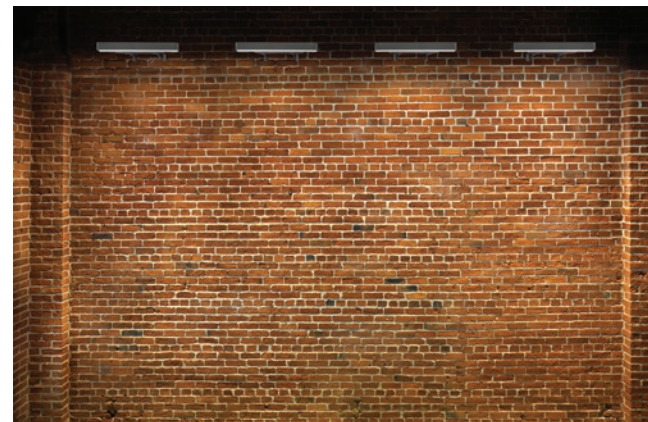
Floodlighting

A wide dispersion of light for general illumination.



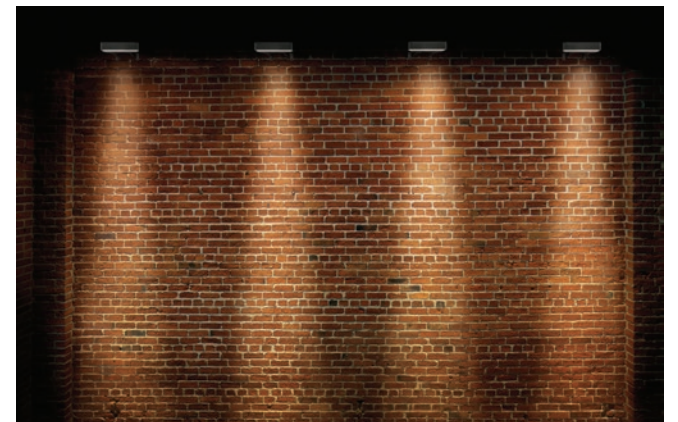
Wallwash

Uniform coverage that reveals and conceals.



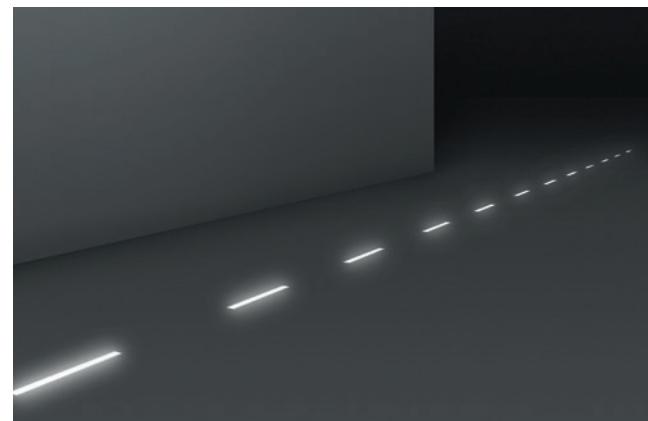
Spot and accent lighting

Integrated into the architecture for dramatic effect.



Direct view*

Creates various ambient scenarios and wayfinding support.



Wide lighting

Increased breadth of coverage close to source.



*Available for Lumenfacade™ Ingrounds only.

Everywhere

Grazing marvelous architecture is simple. Many Lumenfacade luminaires are IP66 or IP68 rated and are ready for the harshest environments: salt spray, chemicals, and extreme outdoor exposure. High precision grazing to accentuate textures is made possible through Lumenpulse's commitment to quality of light and our advanced optics' ability to deliver light exactly where you need it.

- 1. Nano grazing:**
Nevermind unseemly luminaires that stick out, the Lumenfacade Nano's slim design can easily be unseen. Grazing high-traffic areas or areas in full view is simple.
- 2. Facade grazing:**
Great heights aren't hard to reach for Lumenpulse Lumenfacade luminaires. Be it towering columns, or grazing stone walls, Lumenfacades provide >1 fc of illuminance for over 20 vertical feet.
- 3. Nano wide lighting:**
More with less is what the Lumenfacade Nano does best. The Wide 120° optic spreads light so you don't need as many luminaires. That's savings.





NoMad Hotel, New York, NY, United States
 Lighting Design: Tillotson Design Associates
 Optics: Lumenfacade™ Horizontal, 4ft, 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. Positioned close to the surface and carefully aimed, grazing luminaires use a small amount of light to create an impressive effect.

Lumenfacade™ HO 4ft, 4000K

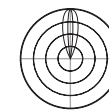
Lumenfacade™ Nano 4ft, 4000K, 4W/ft

Optic	Lumenfacade Delivered output	Lumenfacade Nano Delivered output	Lumenfacade Intensity	Lumenfacade Nano Intensity
10° x 30°	3,830 lm	1,435 lm	30,056 cd	9,126 cd
10° x 60°	3,692 lm	1,427 lm	19,654 cd	4,867 cd
10° x 90°	3,576 lm	1,424 lm	7,897 cd	2,551 cd

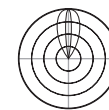
Range of grazing optics



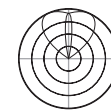
10° x 30°



10° x 60°



10° x 90°





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



Lumenpulse™ Nano,
3 ft, 3000K, 10° x 60°

Accuracy
and precision
with a long,
long lifespan

Grazing with Nano

Once upon a time, only a landmark project budgeted for facade lighting. Now, any building can afford professional facade lighting. Lumenpulse believes all buildings, regardless of size and budget, deserve high quality professional facade lighting.

1. To minimize visual impact, use the Nano and create drama across the textured exterior of any architecture, all while hiding in plain sight.
2. The Nano's performance is geared towards low-scale architecture and is an affordable solution for any sized project. Its clean aesthetics and architecturally attuned mounting and optical accessories allow it to blend with every architecture.



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

10° x 60°
Lumenfacade™
2ft, 3000K

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 neighboring 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 focused 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 440 watts, which is approximately 75% less energy than traditional sources.

1. Just four, 2ft 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, United States
Client: Ocean Properties, Ltd.
Lumenfacade™ Remote, 3000K, 10°x60°
2. **Montreal Clock Tower Pier**, Montreal, QC, Canada
Lighting Design: Éclairage Public
Lumenfacade™, 1ft, 3000K, 10°x60°



Lumenfacade™ Inground,
4ft, 3500K, 60° x 60°

Floodlighting

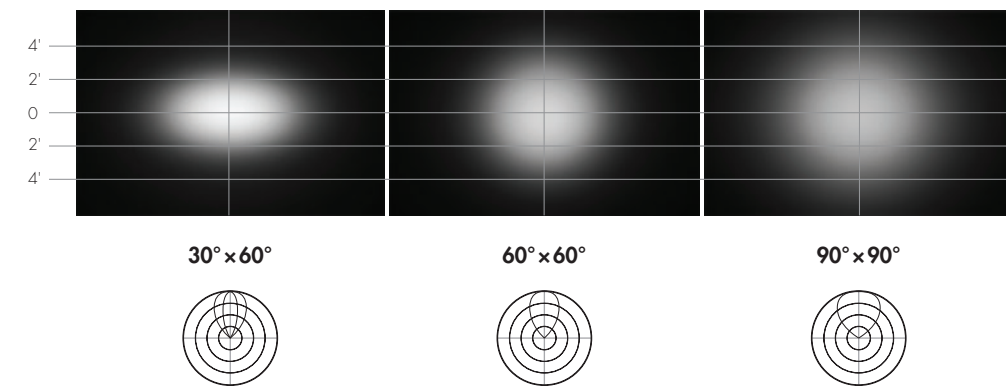
Floodlighting is achieved using a wide, even beam distribution that is indispensable for illuminating an extensive surface such as an overhung canopy, a train platform, or a walkway. The Lumenfacade fixtures can easily be outfitted with accessories such as a louver to provide visual comfort and to shield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

Lumenfacade™ HO 4ft, 4000K

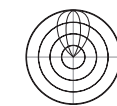
Lumenfacade™ Nano 4ft, 4000K, 4W/ft

Optic	Lumenfacade Delivered output	Lumenfacade Nano Delivered output	Lumenfacade Intensity	Lumenfacade Nano Intensity
30° x 60°	3,862 lm	1,713 lm	5,119 cd	2,581 cd
60° x 60°	3,447 lm	1,730 lm	3,015 cd	1,279 cd
90° x 90°	3,592 lm	1,690 lm	1,886 cd	1,045 cd

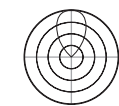
Range of floodlighting applications



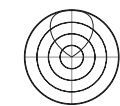
30° x 60°



60° x 60°



90° x 90°





Sunrail Orlando, Orlando, FL, United States
Lighting Design: TLC Engineering for Architecture

STAY BEHIND THE YELLOW LINE

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



Floodlighting with Nano

The multifaceted Lumenfacade Nano showcases Lumenpulse's unparalleled approach to lighting. Easily configurable, this luminaire will grant you a toolbox brimming with features that will allow you to create the floodlighting ambiance you want for your projects. With over 4,000,000 possible configurations, you can select between a variety of lengths, CCTs, and dynamic offering, tailoring the Nano to fit your design needs and to integrate seamlessly to the architecture.

1. Guarded against corrosion, and with an IP66 rating, the Nano can take anything the outdoors throw at it.
2. The Nano's compact form by no means limits the power and performance of the Lumenfacade Nano (up to 41,352 cd). Delivering unparalleled performance for a 4W/ft fixture, you can achieve up to 110 delivered lumens per watt, enough to light 1 fc illuminance at up to 203 ft.



30° x 60°
Lumenfacade™
4ft, 3000K

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.

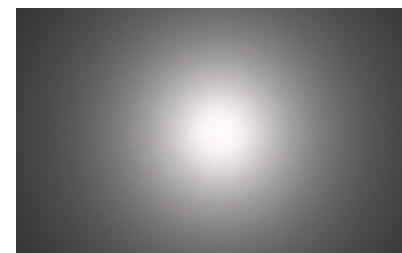
1. Concealed in a cove at the base of the dome, Lumenfacades were placed to evenly flood the entirety of MIT's famous roof, revealing the beauty of its details for the first time.



Wide lighting with Nano

Creating the right ambiance in a challenging installation environment is where the Wide 120° optic really shines. Great for narrow spaces and coves, the Wide 120° gives your design the glow it was looking for. The Wide 120° is also just the right fit for exterior cove installations and to create signature landscape lighting designs.

Wide 120° optic





60° x 60°

Lumenfacade™
4ft, 5700K



The Carmelite Chapel, Montreal, QC, Canada
Lighting Design: Éclairage Public

Accent and spotlighting

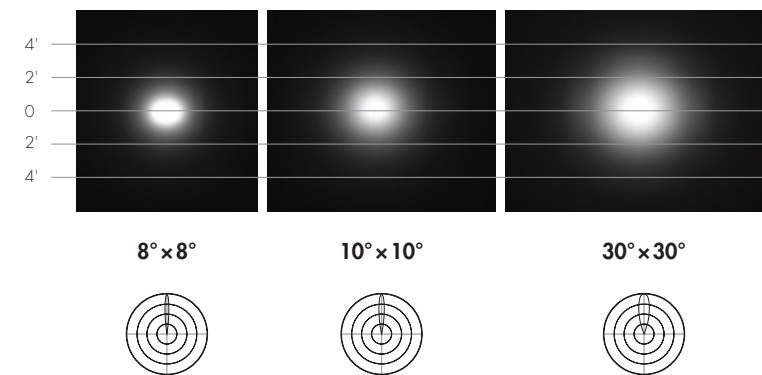
Accent and spotlighting Lumenfacades use optics that produce narrow beam precision to highlight building features, such as window frames, columns and exceptional architectural details. The outcome of such lighting techniques creates a rhythm of light, where only key parts of a structure are accentuated.

Lumenfacade™ HO 4 ft, 4000K

Lumenfacade™ Nano 4 ft, 4000K, 4W/ft

Optic	Lumenfacade Delivered output	Lumenfacade Nano Delivered output	Lumenfacade Intensity	Lumenfacade Nano Intensity
8° × 8°	4,045 lm	1,530 lm	77,896 cd	41,352 cd
10° × 10°	3,768 lm	1,456 lm	38,346 cd	32,262 cd
10° × 30°	3,830 lm	1,435 lm	30,056 cd	9,126 cd

Range of accent and spotlighting applications



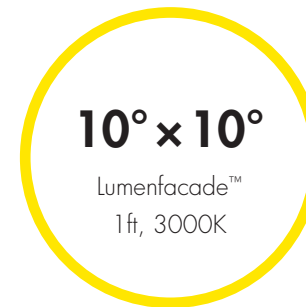


8° x 8°
Lumenfacade™ Nano
1ft, 3000K

Accenting with Nano

The Nano is highly scalable, there is a size, color, optic and output for every project imaginable and perhaps even for those projects that are unimaginable. The Lumenfacade Nano's compact form factor makes it able to squeeze into any architecture's nooks and crannies while easily being hidden from the prying eyes of passersby.

1. With the Lumenfacade Nano, you can use as many fixtures as needed to illuminate your project. Thanks to a small size and low power consumption, you can light your entire project without your budget seeing red.
2. The Lumenfacade Nano's optical accessories are a natural extension of its design. The tool-free installation of accessories lets you add louvers or visors on-site.



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 Usse 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 emphasize 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™
2ft, 3000K



Lumenfacade™ Nano Interior,
4ft, 4000K, 4W/ft, asymmetric wallwash

<3.7:1
uniformity ratio
(max/min)

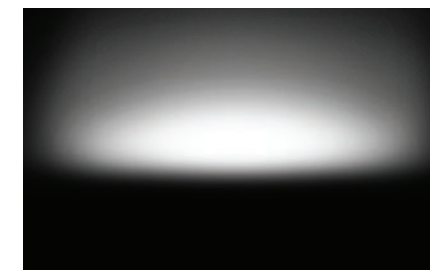
Asymmetric wallwash

The asymmetric wallwash is a directional distribution optimized for high illuminance, providing a smooth uniformity that conceals surface imperfections, floodlights facades, or illuminates signage. Perfect for small scale walls both inside and out, the Lumenfacade Nano wallwash maintains up to 18 fc average illuminance in a small form factor.

Lumenfacade™ Nano Interior, 4 ft, 4000K

	Delivered output	Intensity
Wallwash 4W/ft	1,524 lm	7,393 cd

Asymmetric wallwash





CHUM, Montreal, QC, Canada
Lighting Design: Cannon Design & NEUF architectes
Photographer: Adrien Williams

Wallwash

Lumenfacade™
3 ft, 3000K



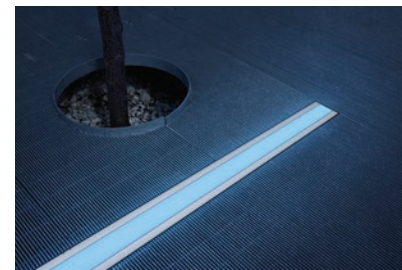
Edmunds Headquarters, Santa Monica, CA, United States
Lighting Design: Advanced Lighting & Production Services

Used to direct,
welcome, and
decorate

Direct view

Available in various lengths, color temperatures and colors (with evenly distributed color mixing), the Lumenfacade Inground Direct View 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 diverted enough to be looked at directly without strain to the eyes.

Direct view optics





Beacon Park Treehouse, Irvine, CA, United States
Lighting Design: PStudioK1

Direct view

Lumenfacade™ Inground
Direct View Color
Changing

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.

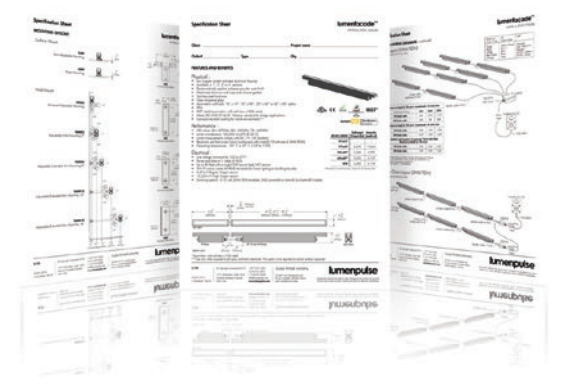
The firm chose Lumenfacade Inground Direct View Color Changing to light the interior of the Treehouse's canopy. “The great lumen output with the direct view lens was critical to us”, says Nelson. “We did not want people, especially children, staring directly into the LED sources when they are playing 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.

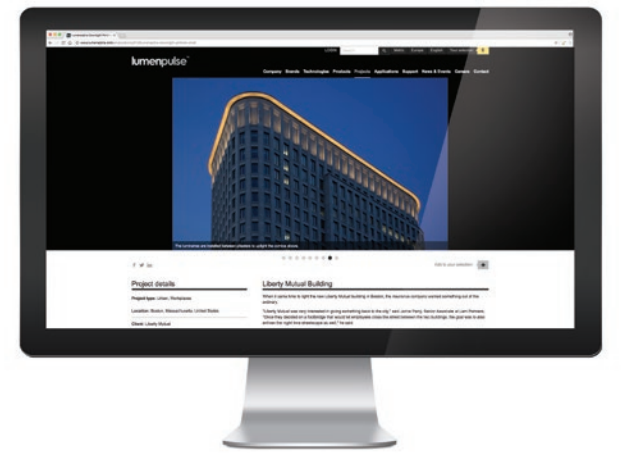
10° x 60°
Lumenfacade™ Interior
4ft, 3000K



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



Documentation



Website



Support files



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Manufacturing Facilities**

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