lumenpulse™

LUMENPULSE 3.0

LIGHTING SOLUTIONS

lumenpulse™

Manufacturing Facilities

Corporate Headquarters

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Lumenpulse Headquarters | Montréal, QC, Canada

Prado Commercial Centre | Marseille, France
Lighting Design: SNAIK Atelier Yann Kersalé Light Art

Jacques-Cartier Bridge | Montréal, QC, Canada
Lighting Design: Moment Factory

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3

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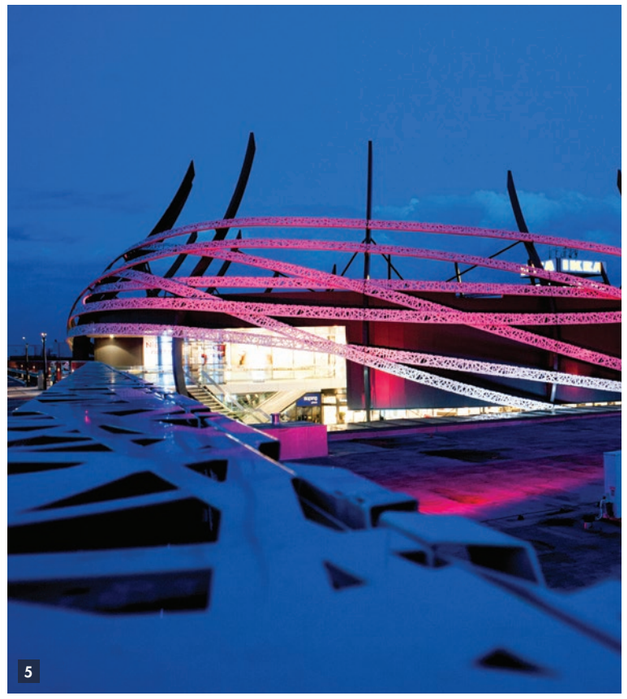
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About us

Founded in 2006 in Montreal, Canada, Lumenpulse designs, develops, manufactures and sells a wide range of high performance and sustainable specification-grade LED solutions for commercial, institutional and urban environments.

While other LED lighting manufacturers have their roots in either electronics or traditional lighting, Lumenpulse's distinctive combination of strong industrial design and electronics knowhow has enabled the company to innovate ahead of its rivals and to offer more options for sustainable interior and exterior lighting.

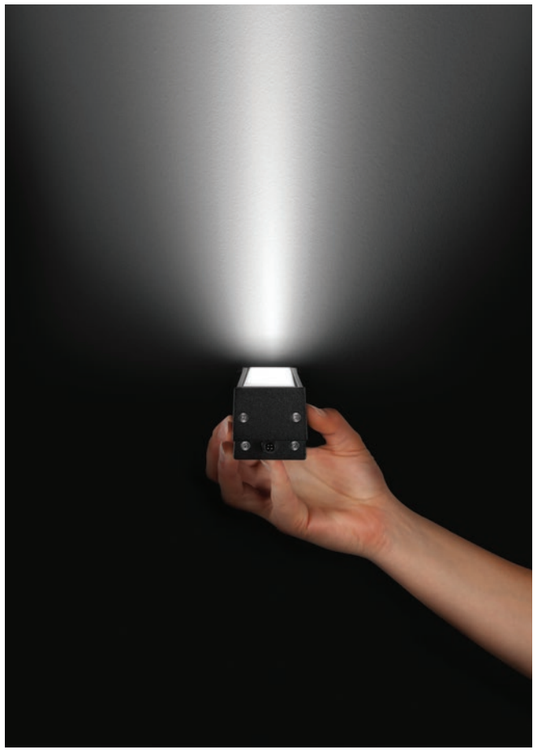
The company designs and manufactures its durable, high-performance fixtures in families to ensure that they are simple to specify and configure. Its luminaires offer a "crayon box of options" — myriad choices of optics, colours, accessories and finishes — that allow designers to solve all types of lighting challenges.

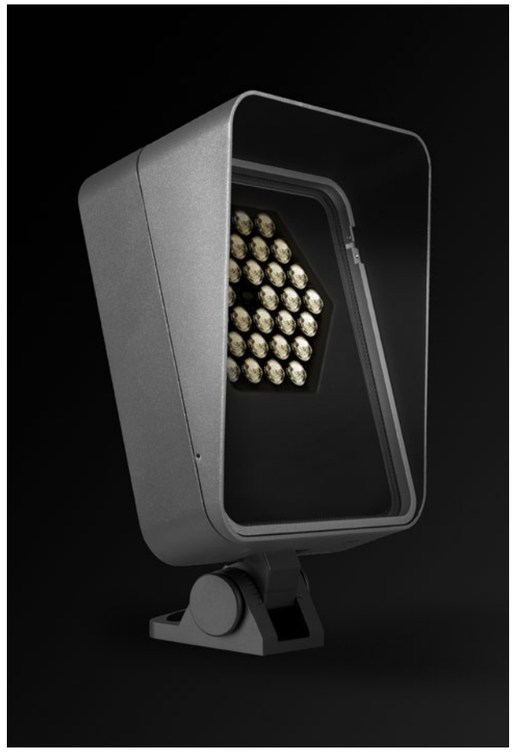
1. **Denver Airport Transit Centre** | Denver, CO, United States
   Lighting Design: SNAIK Atelier Yann Kersalé Light Art
2. **Sölvesborg Bridge** | Sölvesborg, Sweden
   Lighting Design: Ljusarkitektur
3. **Porte Dorée Museum** | Paris, France
   Lighting Design: Xavier Bancquart
4. **Park Hyatt Vendôme Hotel** | Paris, France
   Lighting Design: Oscar Nystrom
5. **Meubelplein Ekkersrijt** | Son en Breugel, Netherlands
   Lighting Design: Michael Harmanus
6. **Quartier Hédas** | Pau, France
   Lighting Design: Quartiers Lumières / Toulouse
7. **Fonseranes Locks** | Béziers, France
   Lighting Design: LUMINOcité
8. **Muiderslot Castle** | Muiden, Netherlands
   Lighting Design: Unique Brands b.v.

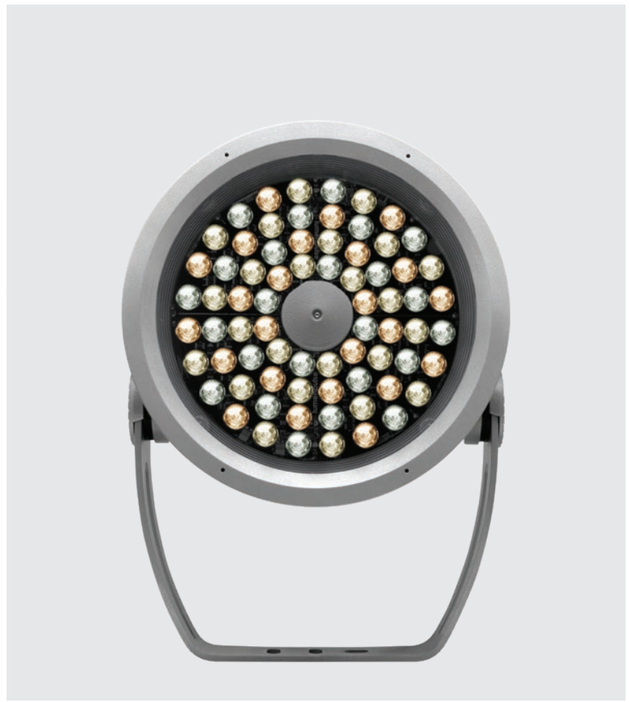
STRASBOURG
CATHEDRAL OF LIGHT

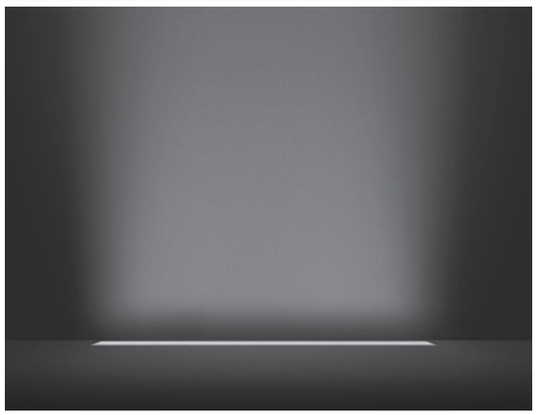
Lumenpulse is proud to have supplied nearly 400 luminaires for this project.

Strasbourg Cathedral | Strasbourg, France
Lighting Design: L'Acte Lumière









Our Design Philosophy

1. We think in families
   Scalable families of products ensuring visual consistency across applications.

2. We build to last
   Sustainable industrial design, allowing wearable parts to be replaced, backed by a 5-year warranty.*

3. A crayon box of options
   Luminaires offer choices of optics, colours, accessories and finishes, promoting greater flexibility.

4. Control
   Innovative control technologies, agnostic to all control standards worldwide.

5. Quality of light
   Our unique binning technology, Lumenbin, ensures colour consistency and best-in-class photometric performance.

6. Ease of installation
   Designed with a fluid compatibility and an ease of installation that saves time and money.

*10-year warranty for Lumencove Nano 2.0.

We think in families

In all its many iterations, the family is one of the most enduring partnerships. Our designs are modelled on a family-like sense of allegiance, cooperation, and innate compatibility.

lumenquad™ family

Grande

Large

Small

Medium

We build to last

Longevity is a tell-tale sign of true quality. Our designs focus on an unflinching sustainability throughout a lengthy lifespan. Every component is tested and tried to the highest global standards of quality.

A crayon box of options

Flexibility, adaptability, and choice are key concepts in all our designs. A variety of options, from optics to finishes, gives everyone from designers to end-users versatile products for every environment.

ASHRAE RO HO

2200K 2700K 3000K 3500K 4000K 5700K 6500K Red Green Blue Royal Blue Amber

DWW Dynamic warm — 2200K — 3000K

DWH Dynamic white — 2700K — 6500K

RGB Red Green Blue

RGBW 30K Red Green Blue White

RGBW 40K Red Green Blue White

RGBA Red Green Blue Amber

opticolor™ 30K

opticolor™ 40K

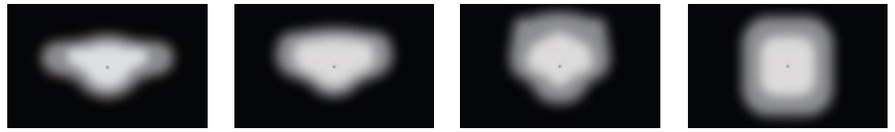
opticolor™ A

Black Sandtex® Bronze Sandtex® Silver Sandtex® Smooth White Textured Black Textured Bronze Non-Metallic Textured Medium Grey Textured Green Textured White Custom Colour and Finish

ON/OFF 1-10V DALI DALIT8 DMX/RDM EcoSystem Enabled lumentalk DTW

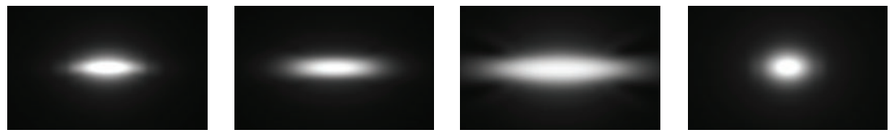
cULus CE RoHS **IK10** **IP68**

Street



Type II ME2-ME6, CE — Type III ME2-ME6, CE — Type IV ME2-ME6, CE, S for area and square lighting — Type VS S for area and square lighting

Grazing



10° × 30° — 10° × 60° — 10° × 90° — 15° × 25°

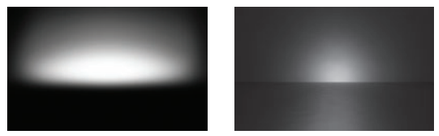
Flood lighting

30° × 60° — 50° × 80° — 60° × 60° — 80° × 80° — 90° × 90°

Accent lighting

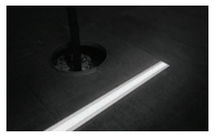
8° × 8° — 10° × 10° — 30° × 30° — 35° × 35°

Wallwash



Asymmetric Wallwash — Ceiling Asymmetric Wallwash

Direct View

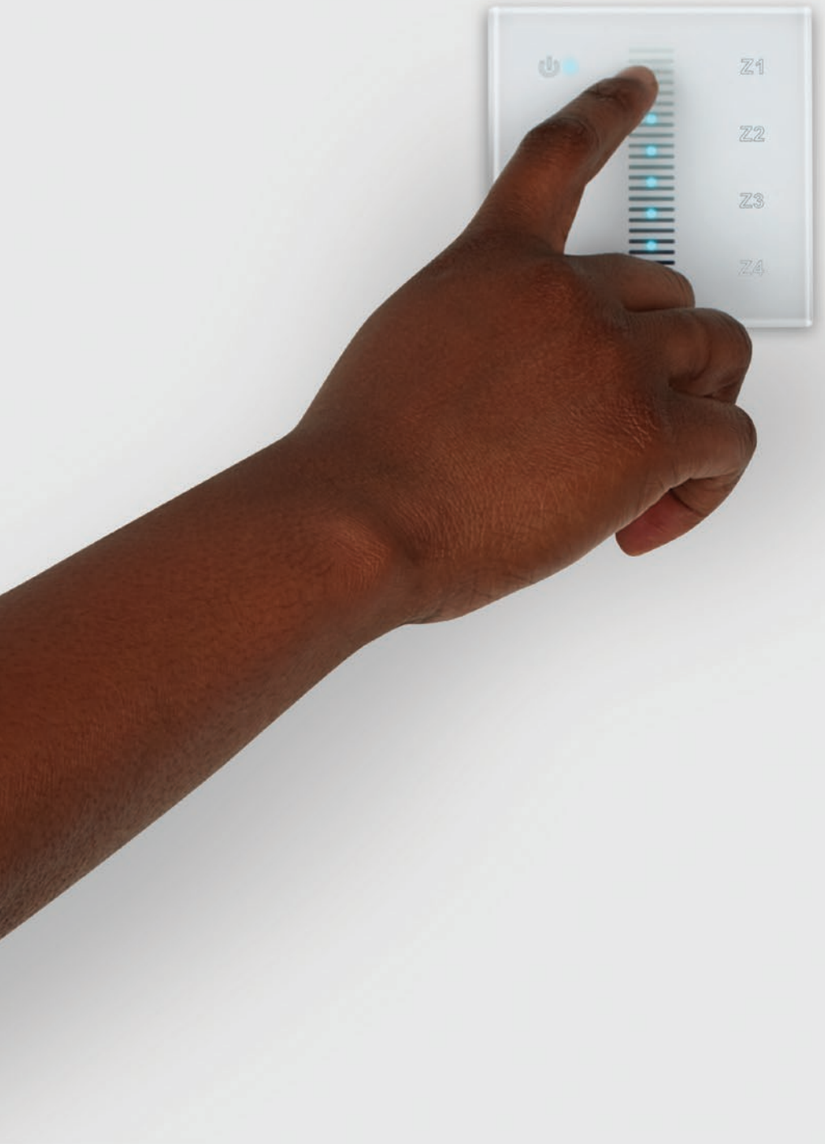


Direct View

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

Control flexibility

There should be no lighting without lighting control. Our luminaires are compatible with multiple control systems. Take control using, 1-10V, DALI, DALIT8, DMX/RDM, Lutron® EcoSystem® or use our innovative Lumentalk technology to enable digital control over your existing AC wiring.



1-10V

DALI

DALI2

DTW
Dim to warm

lumentalk™

DMXrdm

opticolor™

Opticolor supplies a quality of light unlike any other. Colour you can feel. Within inches, Opticolor gives you ultra near-field colour and beam blending. Opticolor technology boasts in-house, Lumenpulse engineered optics and a multi-chip LED cluster that enables optimized colour combinations. This allows the future. You've seen colour, now feel Opticolor.

A New Dimension of Colour

Quality of light

Our optics possess unbeatable design features, such as outstanding glare control/visual comfort, a consistent colour temperature over time, and best-in-class performance. We designed them that way; we experimented until we got it right. Quality is something we insist upon; exquisite light is our business.

Technologies

Maintaining a technological edge is part of Lumenpulse's success, as is our obsession with design. We insist on creating products that are user-friendly and technologically sound.

lumenbin™

Ensures colour temperature consistency across all Lumenpulse luminaires.

lumenID™

A method of intelligently addressing fixtures using an embedded serial number.

DWW Dynamic warm

A Lumenpulse Group technology offering full flexibility in tuning luminaire colour temperature (2200K to 3000K).

lumentalk™

Enables digital control of LED lighting over existing AC power lines, saving time and money.

lumenlife™

Calculates the true-life expectancy of a luminaire.

lumendrive™

This technology directly powers, dims and controls LEDs.

DWH Dynamic white

An embedded Lumenpulse Group technology that reduces a luminaire's colour temperature, allowing for smooth variations in warm white light. (2700K to 6500K)

DMXrdm

Is an enhancement of DMX, allowing for simple, convenient commissioning.

lumencool™

Allows air to flow between the driver and LED board resulting in a lifetime of up to 120,000 hours.

lumendim™

A proprietary firmware that allows Smooth White light dimming.

DTW Dim to warm

An embedded Lumenpulse Group technology that reduces a luminaire's colour temperature when dimmed (2700K to 2200K)

lumencurve™

Lumencurve is a proprietary technology embedded in Lumenpulse luminaires that ensures consistency of dimming performance across product families and control protocols.

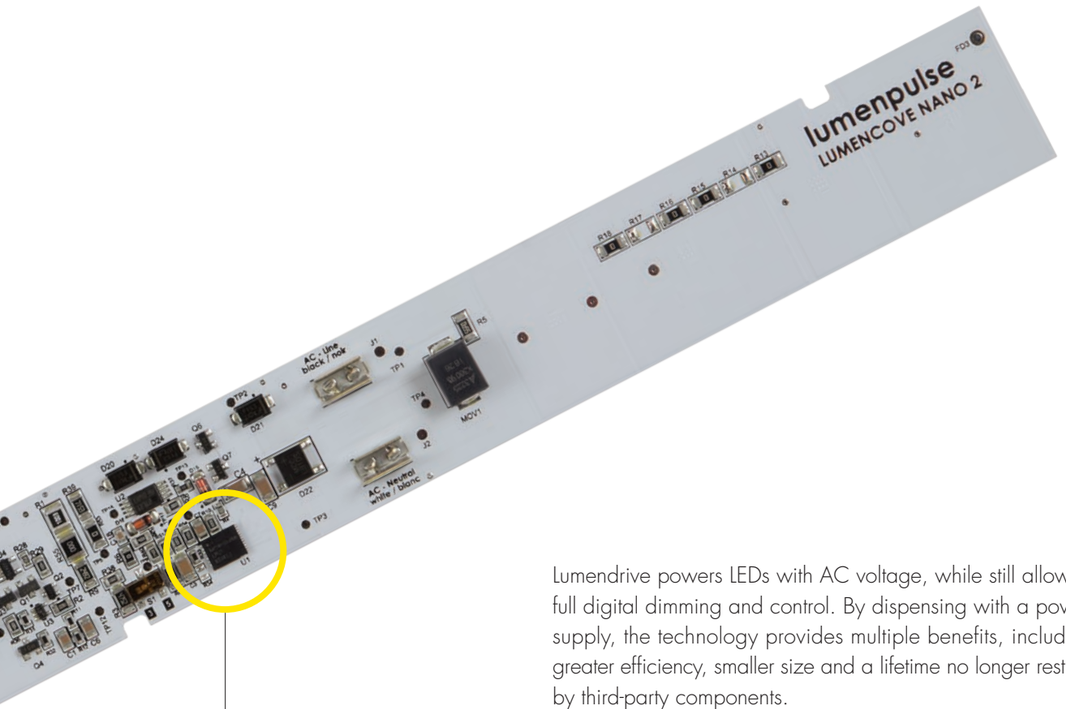
lumengrid™

A controls-agnostic plug and play 48VDC system that can create scalable yet simple lighting projects that are low maintenance and optimised for efficiency.

opticolor™

Opticolor is a patent-pending Lumenpulse technology that features a multi-die LED cluster enabling highly configurable colour combinations that are mixed within the optic. Opticolor utilises individual colours that are binned to within 5nm.

lumendrive™



Lumendrive powers LEDs with AC voltage, while still allowing full digital dimming and control. By dispensing with a power supply, the technology provides multiple benefits, including greater efficiency, smaller size and a lifetime no longer restricted by third-party components.

An embedded ASIC microchip eliminates the need for onboard power supplies.

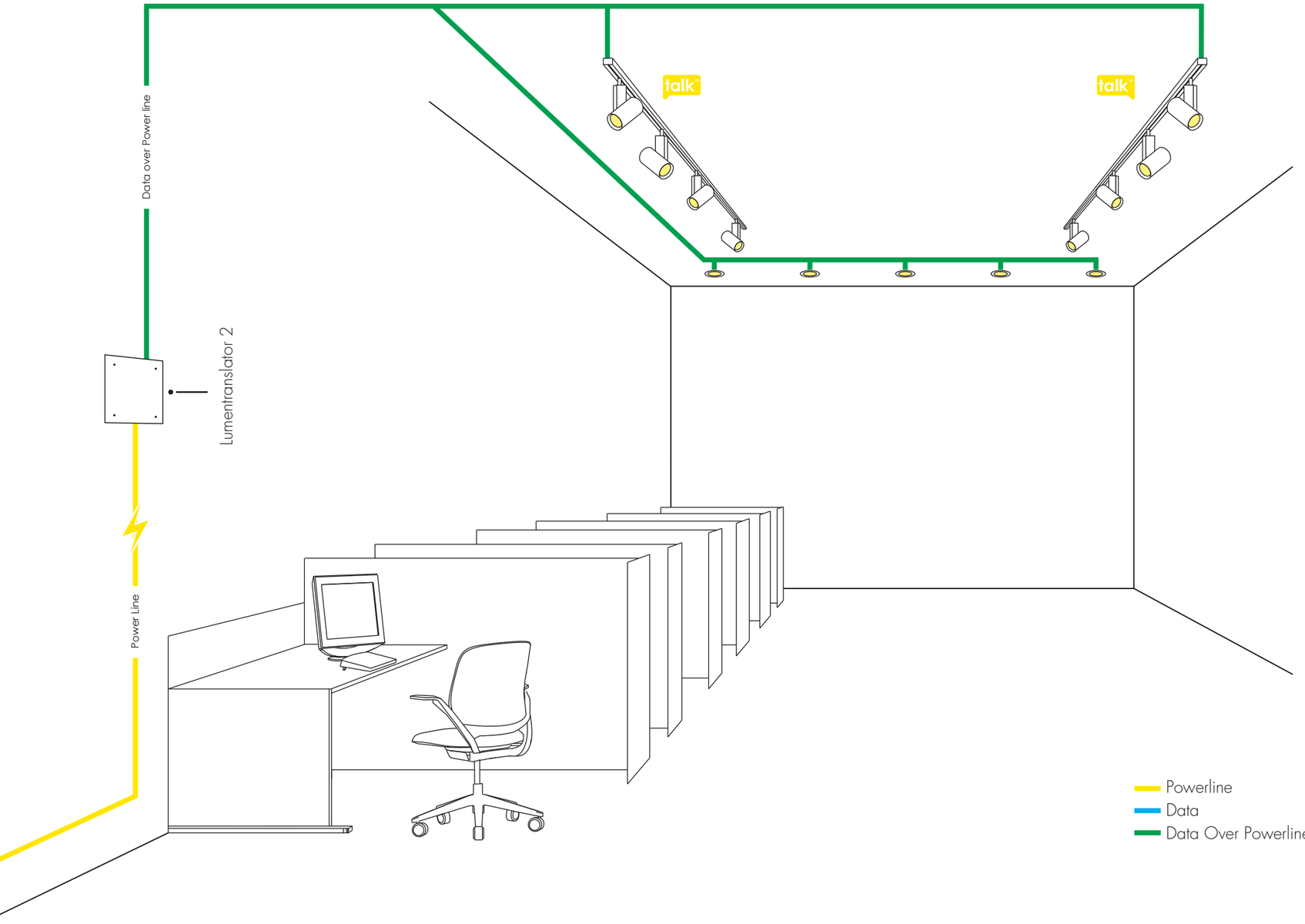
DMXrdm

Your fixture has a lot to say.

- Hello my name is Lumenbeam™ Grande
- My DMX address is 125
- My temperature is 32 °C
- My personality is 16-bit
- Remaining hours till L70: 102,567

How Lumentalk Works

Lumentalk turns regular electrical wiring into a stable digital addressable control network using DMX, DALI, 1-10V, or TRIAC.



Over 400+ projects woldwide are using Lumentalk.

A Simple and Economical Solution

Why don't you just use the existing power lines to control your lights? You can, you know. You can forget about costly rewiring, disruptive renovations, and altering the architecture.

A Reliable and Secure System

Lumentalk is a tried and tested technology. It is a digital, power line communicator that adapts to any situation. Lumentalk is not a controller, it facilitates transmission of standard protocols and all the wires you need are already sitting in your walls.

An Adaptable System

Because Lumentalk is a digital system, it is inherently flexible. You'll no longer be constrained by the physical layout of your wiring. Lumentalk is geared towards the future, you can regroup, reconfigure, and reprogram at will – digital control means freedom.

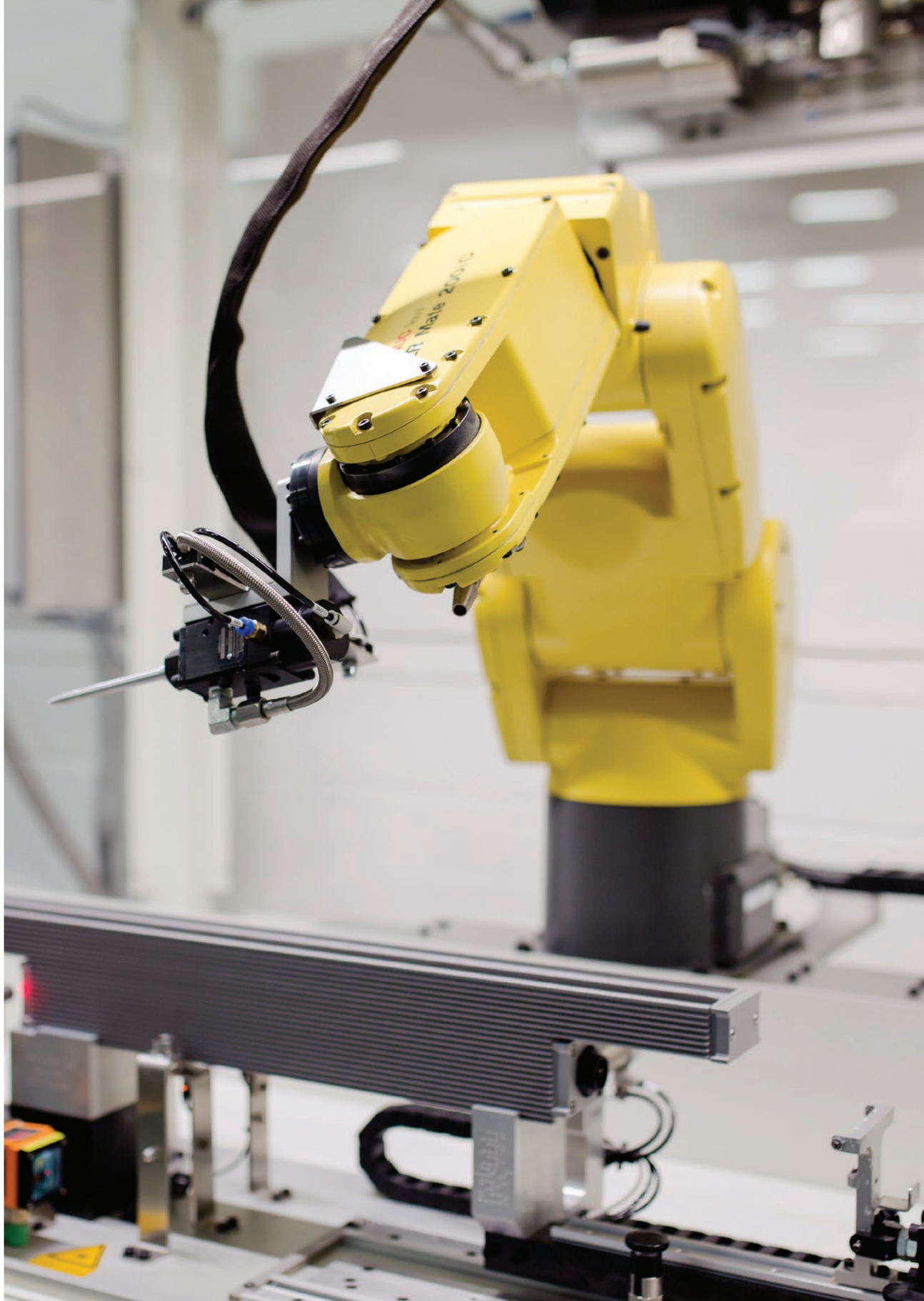
Always looking forward

We produce over 400 specification-grade products[1] which are completely complementary to each other thanks to the unifying abilities of Lumenpulse Group technologies. Staying ahead of the curve is important in this industry. Amongst numerous patents granted and pending, we have created, what we believe to be, six proprietary technologies that have helped push the LED lighting industry into the future.

200+
PATENTS GRANTED[2]

50+
PATENTS PENDING[2]

[1] All Lumenpulse Group Brands.
[2] Data updated October 2018.



Lumenpulse Plant | Montréal, QC, Canada

Our families

Lumenpulse products are organised around highly scalable families. This approach solves various lighting challenges and addresses a specifiers' need for design versatility, visual consistency across applications, and long-term durability.

PRODUCTS

+100

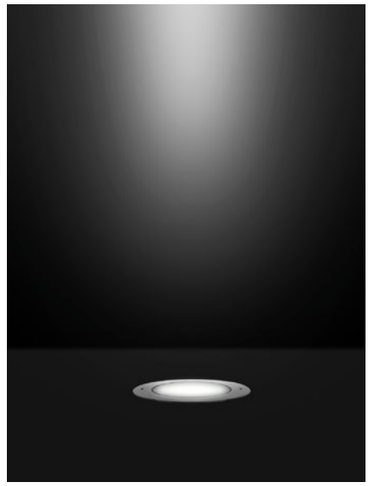
lumencove™ family

lumendome™ family

lumenbeam™ family

lumenfacade™ family

lumenquad™ family



lumenbeam™ inground family

lumenfacade™ nano family

lumenfacade family

Lumenfacades are linear LED luminaires for grazing, accents and floodlighting indoor and outdoor applications. The Lumenfacade family offers a number of optics options including a unique asymmetric distribution, providing exceptional uniformity and brightness for walls and signage.

Exterior

Exterior

Horizontal

Remote

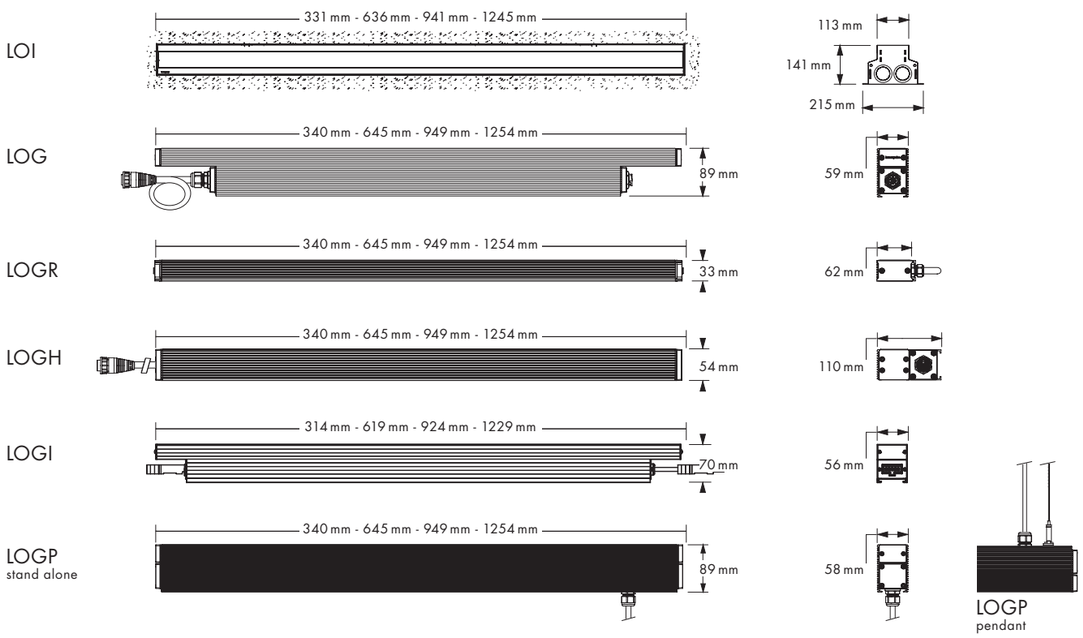
Stand alone

Pendant

Inground

Interior

Interior



16.4W/m 27.9W/m 50W/m

8° x 8°

10° x 10°

30° x 30°

35° x 35°

60° x 60°

80° x 80°

90° x 90°

10° x 30°

10° x 60°

10° x 90°

15° x25°

30° x 60°

50° x 80°

Asymmetric Wallwash

2200K 2700K 3000K 3500K 4000K 5700K 6500K Red Green Blue Royal Blue

2200K — 3000K

2700K — 6500K

ON/OFF 1-10V DALI DMX/RDM EcoSystem Enabled lumentalk DTW

Black Sandtex®

Bronze Sandtex®

Silver Sandtex®

Smooth White

Custom Colour and Finish

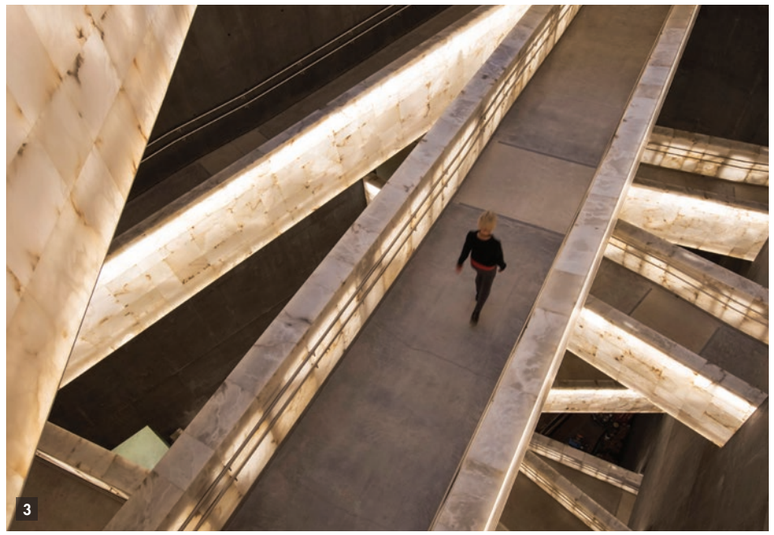
Louvre

cULus CE RoHS IK10 CRC IP68

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

1

2



3

1. **Lafayette Bridge** | Lyon, France
   Client: Ville de Lyon

2. **Compton Verney** | Warwickshire, United Kingdom
   Electrical Contractor: DeasElec

3. **Canadian Museum for Human Rights** | Winnipeg, MB, Canada
   Lighting Design: Mulvey+Banani International Inc.

lumenfacade pure family

A clean, modern design with cohesive mounting options that are continuously adjustable or calibrated in six-degree increments, quick-connect locking cables, and methodical engineering that emphasizes ease of installation, elegance, quality, and performance.

Exterior

Continuous Run

Continuous Horizontal

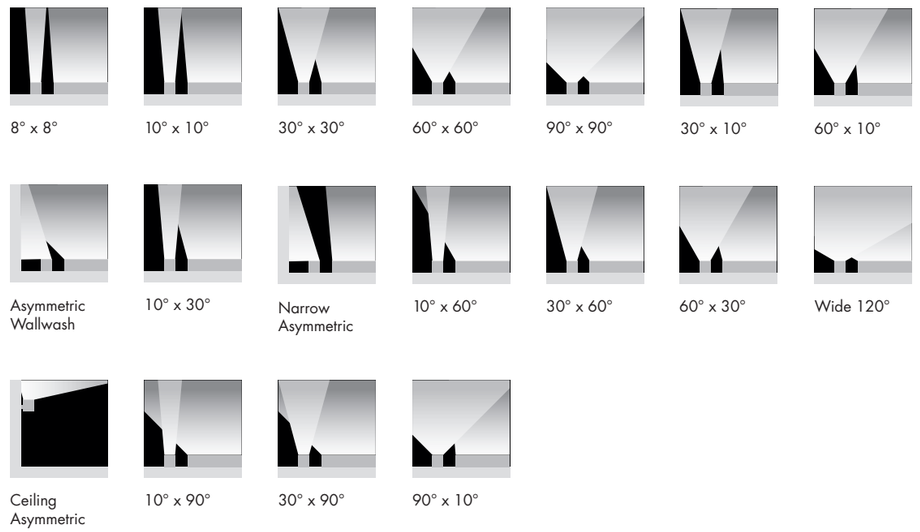
Standalone

LFP SA

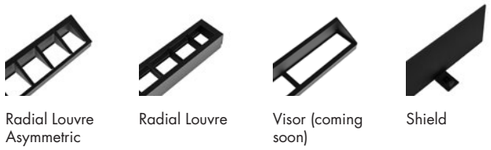
LFP CR

LFP CH

12.3W/m 32.8W/m 55.8W/m



ON/OFF 1-10V DALI2



CE RoHS Vibration ratings available. **CRI 80+**

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

lumenfacade nano family

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.

Exterior

Nano

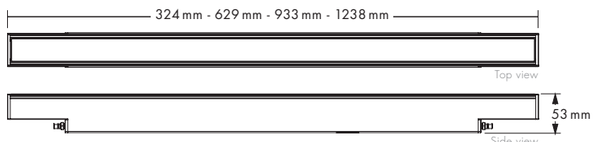
Nano horizontal

Interior

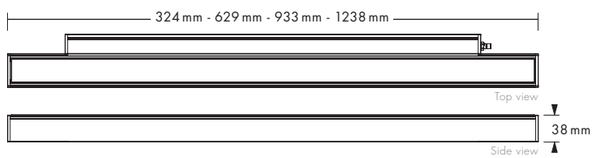
Nano interior

Nano horizontal interior

LOGN
[6,6 W/m]
[13,1 W/m]



LOGNH
[6,6 W/m]
[13,1 W/m]



6.6 W/m 13.1 W/m 23 W/m 26.2 W/m

8° x 8°

10° x 10°

30° x 30°

60° x 60°

90° x 90°

Wide 120°

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
Wallwash

2200K 2700K 3000K 3500K 4000K Red Green Blue

2200K — 3000K

2700K — 6500K

ON/OFF 1-10V DALI DALIT8 DMX/RDM DTW

Black
Sandtex®

Bronze
Sandtex®

Silver
Sandtex®

Smooth
White

Custom Colour
and Finish

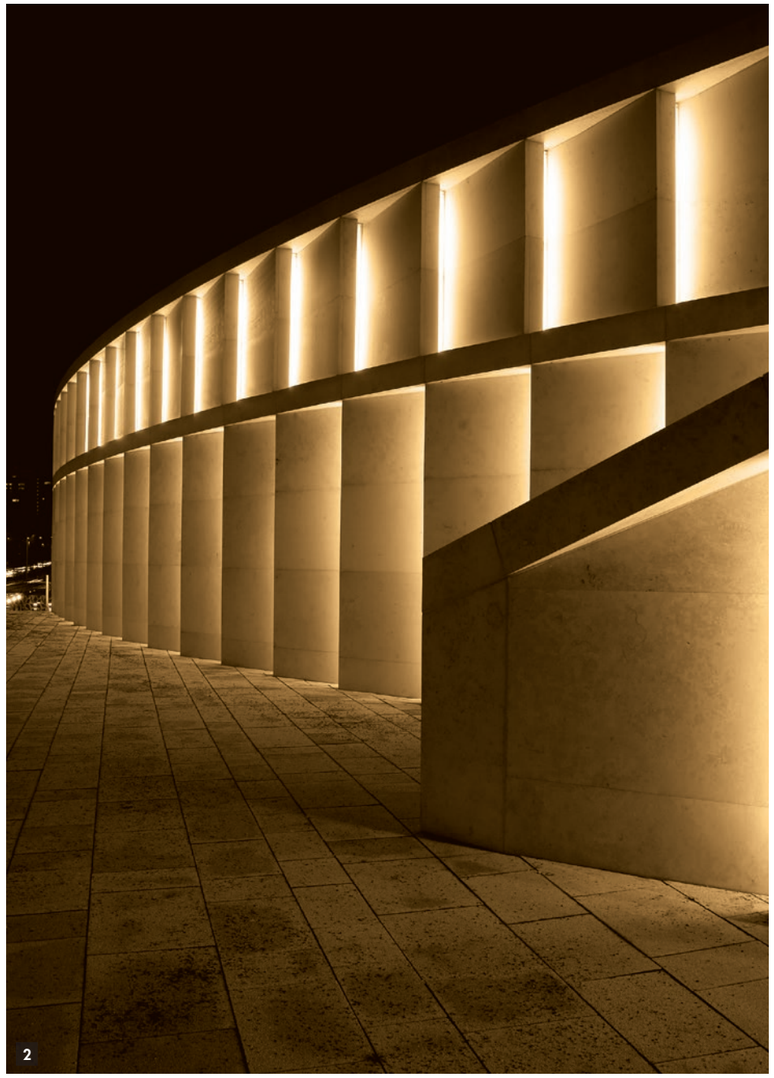
Louvre

Visor

c UL us CE RoHS IK08 IP66 IP20 CRC CRI 80+ CRI 90+ 3GV

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

1



2

1. 8° × 8° Lumenfacade™ Nano 1' (300 mm) 3000 K
2. Wide 120° Lumenfacade™ Nano 4' (1200 mm) 2700 K

lumenbeam family

The Lumenbeam family is designed to solve a range of indoor and outdoor lighting challenges. The Lumenbeam family is extremely rich in options, from optics to accessories and controls.

Spot

Small

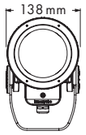
Medium

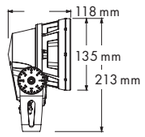
Large

Grande

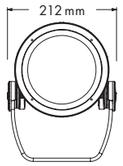
LBX

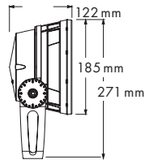
LBS
[14-16W]



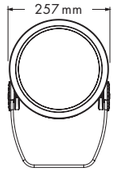


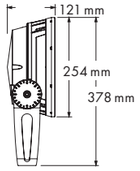
LBM
[28W]



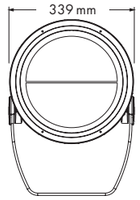


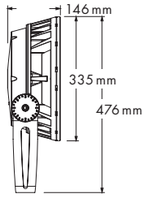
LBL
[50W]



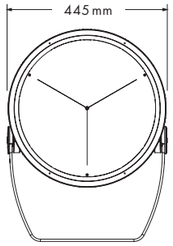


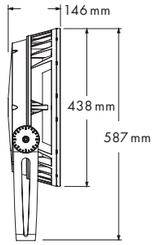
LBG
[70-104W]





LBX
[140W – RO / 205W – HO]





RO

HO

Extra Narrow
3°or 5°

Very Narrow
6°

Narrow Spot
10°

Narrow Flood
20°

Medium
30°

Flood
40°

Wide Flood
60°

Narrow
Asymmetric

Asymmetric
Wallwash

Ground

Pole

Stake

Wall

2200K 2700K 3000K 3500K 4000K 5700K 6500K Red Green Blue Royal Blue

2200K — 3000K

2700K — 6500K

ON/OFF 1-10V DALI DALIT8 DMX/RDM

Black
Sandtex®

Bronze
Sandtex®

Silver
Sandtex®

Smooth
White

Textured
Black

Textured
Bronze
Non-Metallic

Textured
Medium
Grey

Textured
Green

Textured
White

Custom Colour
and Finish

Visor

Snoot

Snoot Wide

Wire Guard

Linear Spread
Lens Adjustable

IK08 IP66 CRC

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

lumenbeam pendant

Pendant

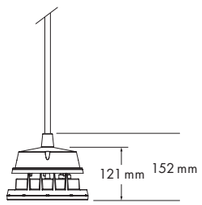
Medium

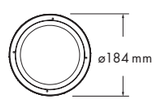
Large

Grande

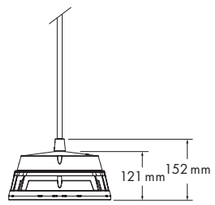
LBX

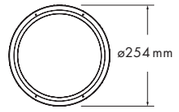
LBMP
[28W]



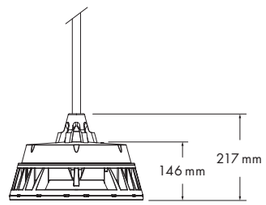


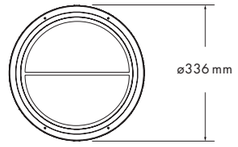
LBLP
[50W]



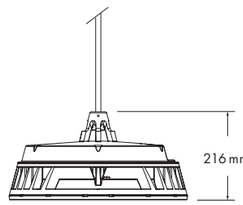


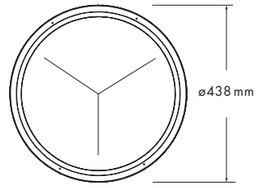
LBGP
[70-104W]





LBXP
[140W – RO]
[205W – HO]





RO

HO

Extra Narrow
3°or 5°

Very Narrow
6°

Narrow Spot
10°

Narrow Flood
20°

Medium
30°

Flood
40°

Wide Flood
60°

Narrow
Asymmetric

Asymmetric
Wallwash

Pendant

2200K
2700K
3000K
3500K
4000K
5700K
6500K
Red
Green
Blue
Royal Blue

2200K — 3000K

2700K — 6500K

ON/OFF 1-10V DALI DALIT8 DMX/RDM EcoSystem Enabled lumentalk DTW

Black
Sandtex®

Bronze
Sandtex®

Silver
Sandtex®

Smooth
White

Textured
Black

Textured
Bronze
Non-Metallic

Textured
Medium
Grey

Textured
Green

Textured
White

Custom Colour
and Finish

Visor

Snoot

Snoot Wide

Wire Guard

Linear Spread
Lens Adjustable

cULus CE RoHS IK08 IP66 CRC

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

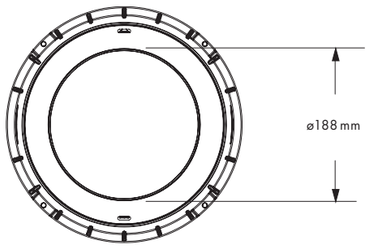
lumenbeam inground

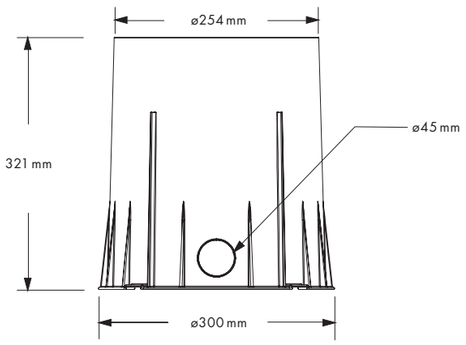
The Lumenbeam Inground Large is a high-performance, ground-recessed LED projector designed to solve a range of inground lighting challenges with a choice of optics, trim, lenses and control options. The plug and play design simplifies installation, protecting the system from water infiltration and ensuring long-lasting performance.

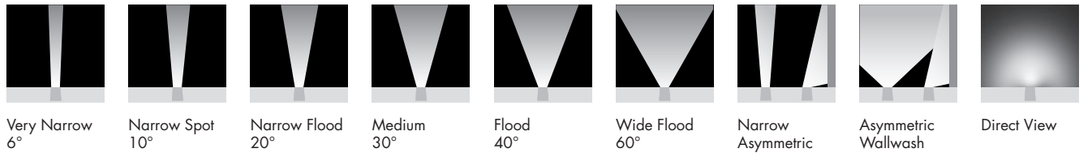
Inground

Large

LBIL
[30W to 60W]







Inground

2200K — 3000K

2700K — 6500K

ON/OFF 1-10V DALI DALIT8 DMX/RDM lumentalk DTW

Brushed stainless steel

Polished stainless steel

Internal Louvre
(Discrete version shown)

Flush Trim With Hardware

Flush Trim No Hardware

Bevel Edge Trim With Hardware

Bevel Edge Trim No Hardware

Brass Housing For Harsh Environments (Hrs)

Walk over 1000 kg

Drive over 5000 kg

Suitable for harsh environments

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

1

2

1. **Åre Ski Resort** | Åre, Sweden
   Lighting Design: Ljusarkitektur

2. **Porte Dorée Museum** | Paris, France
   Lighting Design: Xavier Bancquart

3. **Keflavik Airport** | Keflavik, Iceland
   Lighting Design: Nulty

3

lumenquad family

The Lumenquad family are sleek, LED projectors designed to be the ultimate in versatility and style. These luminaires are an elegant workhorse that easily integrate with any architecture. The family solves a range of indoor and outdoor lighting challenges, and is extremely rich in options, with a choice of sizes and optics, various colour temperatures or dynamic colours, mounting options, accessories, and controls.

Exterior

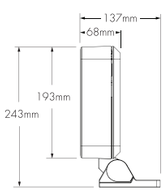
Small

Medium

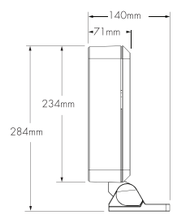
Large

Grande

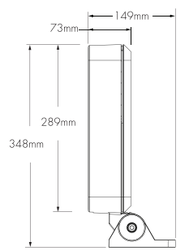
LQS
[14-16W]



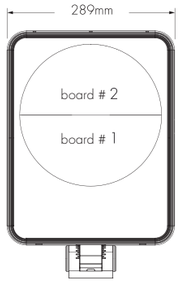
LQM
[28W]

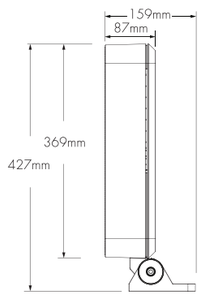


LQL
[50W]



LQG
[70-104W]





Extra Narrow
3°or 5°

Very Narrow
6°

Narrow Spot
10°

Narrow Flood
20°

Medium
30°

Flood
40°

Wide Flood
60°

Narrow
Asymmetric

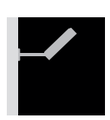
Asymmetric
Wallwash

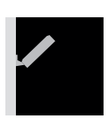
Type II
ME2-ME6, CE

Type III
ME2-ME6, CE

Type IV
ME2-ME6, CE, S for area and square lighting

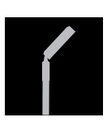
Type VS
S for area and square lighting


Wall


Surface

Stake

Pole


Pole-top

2200K
2700K
3000K
3500K
4000K
5700K
6500K
Red
Green
Blue
Royal Blue

2200K — 3000K

2700K — 6500K

ON/OFF 1-10V DALI DALIT8 DMXrdm EcoSystem Enabled lumentalk DTW

Black
Sandtex®

Bronze
Sandtex®

Silver
Sandtex®

Smooth
White

Textured
Black

Textured
Bronze
Non-Metallic

Textured
Medium
Grey

Textured
Green

Textured
White

Custom Colour
and Finish

Snoot

Visor

Wire
Guard

Linear Spread
Lens Adjustable

Honeycomb
Louvre

RoHS

IK10 IP66 CRC CRI 80+

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

1

2

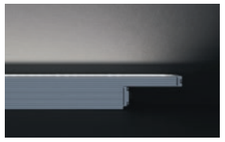
1. Lumenquad Grande, Asymmetric Wallwash
2. Lumenquad Large, Type II ME2-ME6, CE
3. Lumenquad Grande, Narrow Spot10°

3

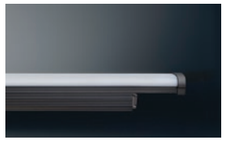
lumencove family

Installed on ledges and in coves, Lumencove luminaires produce soft, indirect lighting. Available in 30 cm, 60 cm, 90 cm,1.2 m and 2.4 m sections, the Lumencove family enables both curved and linear layouts, ensuring easy, cost-effective installation.

Exterior

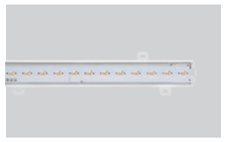


XT

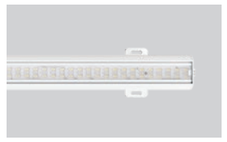


XT direct view

Interior

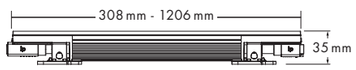


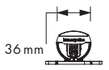
Nano 2.0



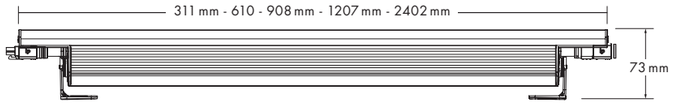
2.0

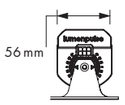
LCN2



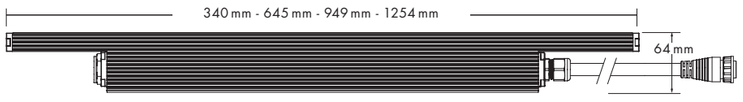


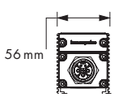
LCS2



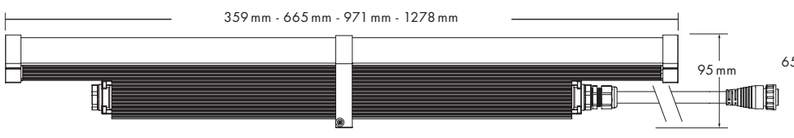


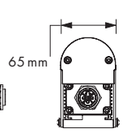
LXT





LXTD





RO

HO

Direct View

Wide

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

DWW Dynamic warm — 2200K – 3000K

DWH Dynamic white — 2700K – 6500K

RGB Red Green Blue

RGBW 30K Red Green Blue White

RGBW 40K Red Green Blue White

RGBA Red Green Blue Amber

ON/OFF 1-10V DALI DMX/RDM EcoSystem Enabled lumentalk DTW

Black Sandtex®

Bronze Sandtex®

Silver Sandtex®

Smooth White

Custom Colour and Finish

cULus CE RoHS IK07

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

1

2

1. **Promenades Cathédrale** | Montreal, QC, Canada
   Lighting Design: Lightstudio Design

2. **ME Engineers Corporate Headquarters** | Golden, CO, United States
   Lighting Design: Illume, ME Engineers

3. **GateWay Community College** | Phoenix, AZ, United States
   Architect: SmithGroupJJR

3

lumendome family

The Lumendome family is a line of direct-view pixel luminaires for both indoor and outdoor applications. The Lumendome family can be used for low-resolution screens and media facades, or to trace the contours of buildings and structures.

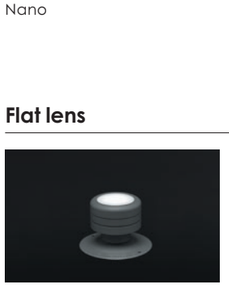
Domed lens

Nano

Small

Medium

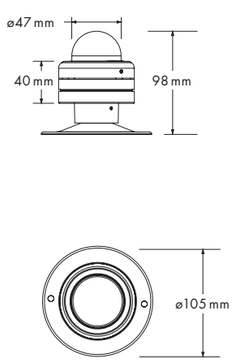
Flat lens


Nano

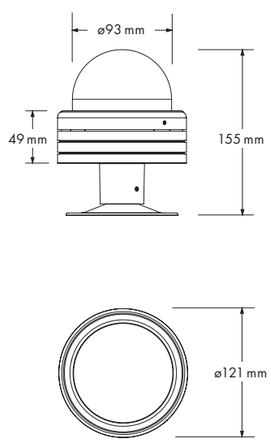
Small

Medium

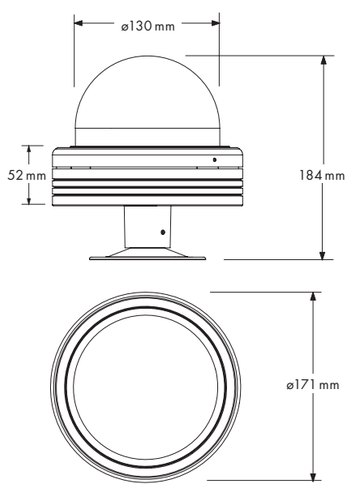
LMDN
[2W]



LMDS
[6W]



LMDM
[12W]



Domed lens

Flat lens

2700K 3000K 3500K 4000K RGB

DMX/RDM ON/OFF

Black Sandtex®

Bronze Sandtex®

Silver Sandtex®

Smooth White

Custom Colour and Finish

cULus CE RoHS CRC

NOTE: Consult factory for availability. Varies according to model. Consult specification sheet.

1

2

3

1. **Telus World of Science** | Vancouver, BC, Canada
   Lighting Design: EOS Lightmedia

2. **Footbridge at Volkswagen Production Facility** | Chattanooga, TN, United States
   Lighting Design: Aaron Albright, LC

3. **MTELUS Theatre** | Montréal, QC, Canada
   Lighting Design: Patty Xenos Design

Inspirations

1. **Strasbourg Cathedral** | Strasbourg, France
   Lighting Design: L'Acte Lumière

2. **Notre-Dame Basilica of Montreal** | Montréal, QC, Canada
   Lighting Design: Eclairage Public

3. **Mersey Gateway Bridge** | Runcorn, Halton, United Kingdom
   Lighting Design: Speirs + Major

4. **Train World Museum** | Brussels, Belgium
   Lighting Design: Lightemotion

5. **Meubelplein Ekkersrijt** | Son en Breugel, Netherlands
   Lighting Design: Michael Harmanus

6. **Lafayette Bridge** | Lyon, France
   Client: Ville de Lyon

1

2

3

4

5

6

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