



**lumencore**  
Point Source Solutions

Lumenpulse specialises in LED architectural lighting systems with a focus on performance, light quality, flexibility and lifetime. We know our products provide long-lasting quality because our clients have been using them successfully for years across thousands of projects worldwide, in retail, hospitality, and architectural applications.

For more information, please visit: [www.lumenpulse.com](http://www.lumenpulse.com)





## Family Approach

- Our designs are modelled on a family-like sense of allegiance, cooperation, and innate compatibility
- Scalable families of products that ensure visual consistency and performance across applications

## Quality of Light

- Smooth, even 5°, 10°, 15° beams; nice, narrow field, no spill
- Precision engineered optics for even illumination
- High intensity up to 45,181 cd

## Ease of Installation

- Field-changeable optics and accessories
- A variety of optics, colours, accessories and finishes, promoting greater adaptability and freedom
- Designed to create an easy and quick installation experience

## Sustainable Design

- No visible colour shift over 6 years
- L70 of 225,000 hours, L95 of 55,000 hours
- LM-80 tested for 10,000 hours

## Control Ready

- Control agnostic – Choose between 1-10V, DALI, or DMX/RDM as wired control options
- Lumentalk – Digital control over power line – no rewiring required

## Dynamic Solutions

- Control your ambience with Dim to Warm Plus, Dynamic White, and Dynamic Warm White Plus
- Static White CRI 80+, CRI 90+, CRI 95+, Radiant 80+, and Radiant 95+

NOTE: Some exceptions, consult specification sheets for details.

# Product Index

## Lumencore Cylinders // 13" - 18" - 23"

### Lumencore Cylinders Pendant (Cable, and Stem)



Lumencore Cylinder Nano Pendant Lumencore Cylinder Small Pendant Lumencore Cylinder Medium Pendant Lumencore Cylinder Large Pendant

### Lumencore Cylinders Surface Mount



Lumencore Cylinder Nano Surface Mount Lumencore Cylinder Small Surface Mount Lumencore Cylinder Medium Surface Mount Lumencore Cylinder Large Surface Mount

### Lumencore Cylinders Wall Mount (Direct, Indirect and Direct/Indirect)



Lumencore Cylinder Nano Wall Mount Lumencore Cylinder Small Wall Mount Lumencore Cylinder Medium Wall Mount Lumencore Cylinder Large Wall Mount

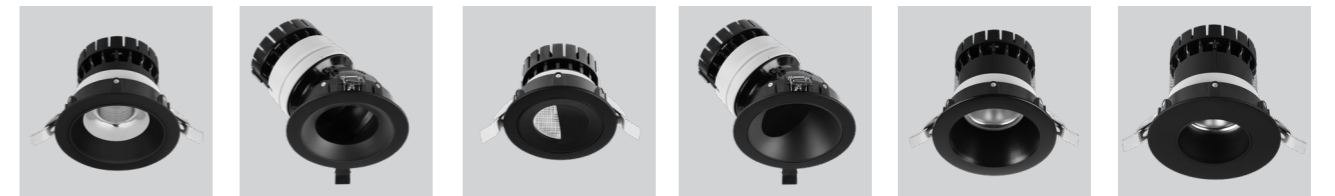
## Lumencore Recessed

### Lumencore Recessed Nano



Lumencore Recessed Nano Downlight Lumencore Recessed Nano Adjustable Lumencore Recessed Nano Wallwash Lumencore Recessed Nano Fixed Tilt Lumencore Recessed Nano Shower Rated Lumencore Recessed Nano Pinhole

### Lumencore Recessed Small



Lumencore Recessed Small Downlight Lumencore Recessed Small Adjustable Lumencore Recessed Small Wallwash Lumencore Recessed Small Fixed Tilt Lumencore Recessed Small Shower Rated Lumencore Recessed Small Pinhole

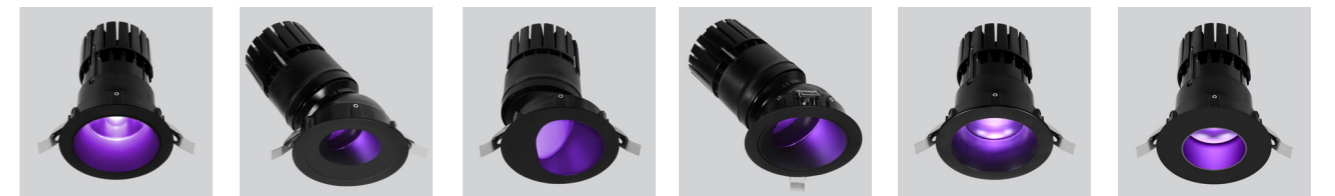
## Lumencore Recessed Opticolor+

### Lumencore Recessed Nano

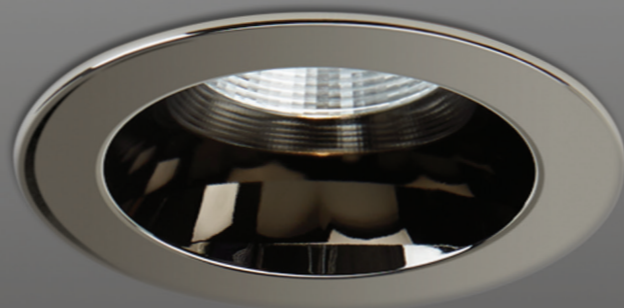
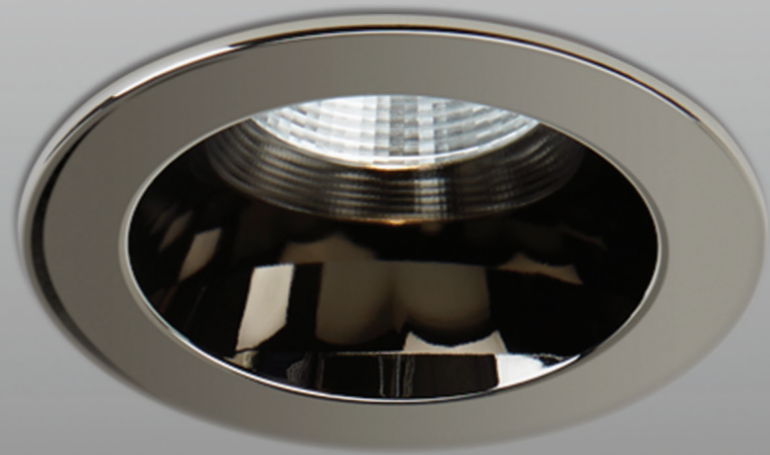


Lumencore Recessed Nano Downlight Lumencore Recessed Nano Adjustable Lumencore Recessed Nano Wallwash Lumencore Recessed Nano Fixed Tilt Lumencore Recessed Nano Shower Rated Lumencore Recessed Nano Pinhole

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Lumencore Recessed Small Downlight Lumencore Recessed Small Adjustable Lumencore Recessed Small Wallwash Lumencore Recessed Small Fixed Tilt Lumencore Recessed Small Shower Rated Lumencore Recessed Small Pinhole

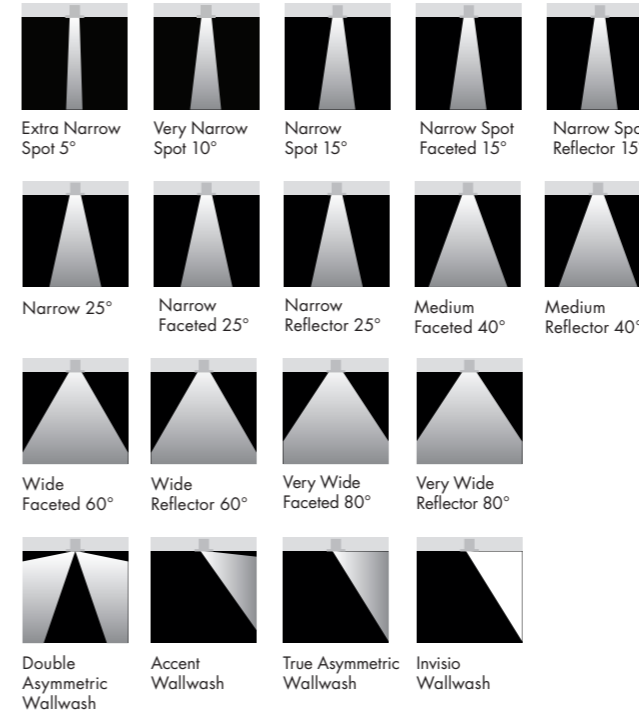


# Endless Opportunities

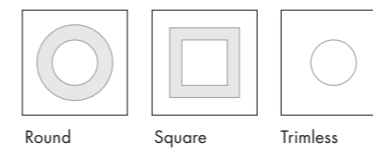
Every space has its own requirements. Lumencore's recessed options let you choose the right recipe for your design and the right combination for every space and indoor recessed requirement.



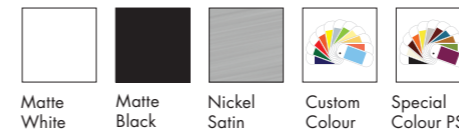
## Optics



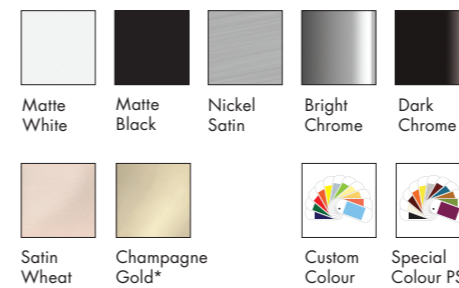
## Trim Shapes



## Trim Colours



## Bezel Colours



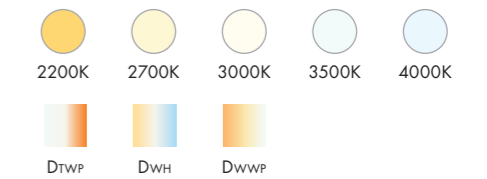
## Sizes



## Outputs

700lm | 1000lm | 1300lm  
2000lm | 3000lm | 4000lm | 5000lm

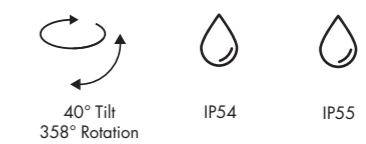
## Colour Temperatures



## Colour Rendering Options

80+ | 90+ | 95+

## Options

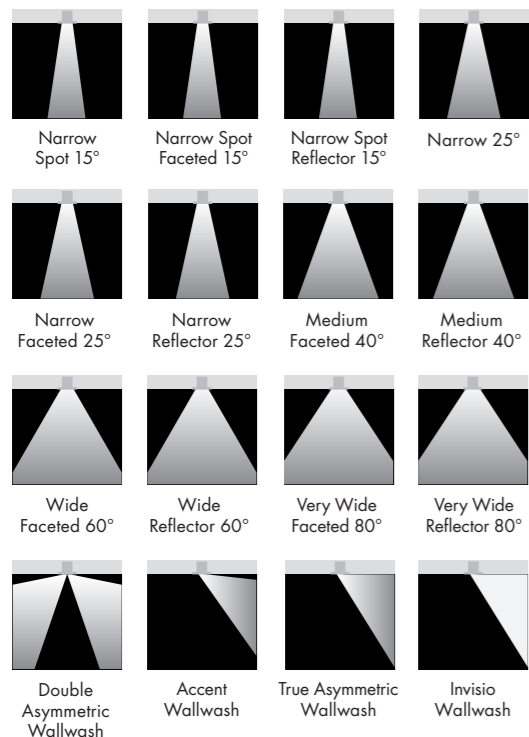


## Control Options

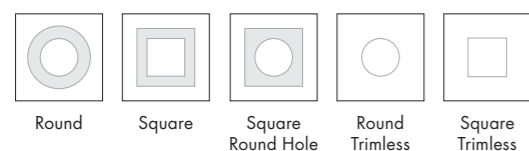
- NO - On/Off Control
- DA1 - 1-10V Dimming, 1% linear
- DA2 - 1-10V Dimming, 1% logarithmic
- SDALI1 - Standard DALI Dimming, 1% linear
- SDALI2 - Standard DALI Dimming, 1% logarithmic
- DALI1 - Pro DALI Dimming, 0.1% linear
- DALI2 - Pro DALI Dimming, 0.1% logarithmic
- DALI8- DALI-2 Type 8 multi-channel control
- DMX/RDM - configurable to 1, 2, or 3 Channels

**NOTE:** Some exceptions, consult specification sheets for details.  
\*Consult factory for availability.

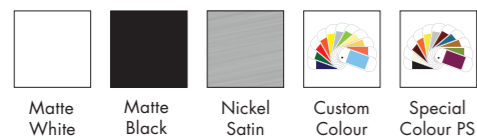
### Optics



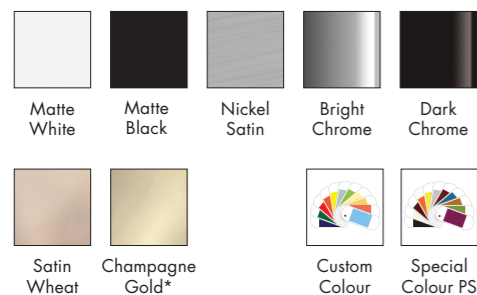
### Trim Shapes



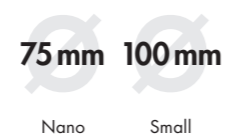
### Trim Colours



### Bezel Colours



### Sizes



### Colour & Colour Temperature



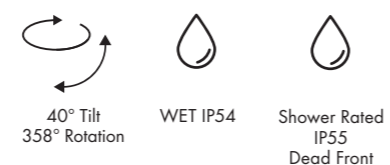
### Colour Rendering Option

A range of CRLs up to 95+

### Outputs

500lm | 700lm | 1000lm | 1300lm | 2000lm

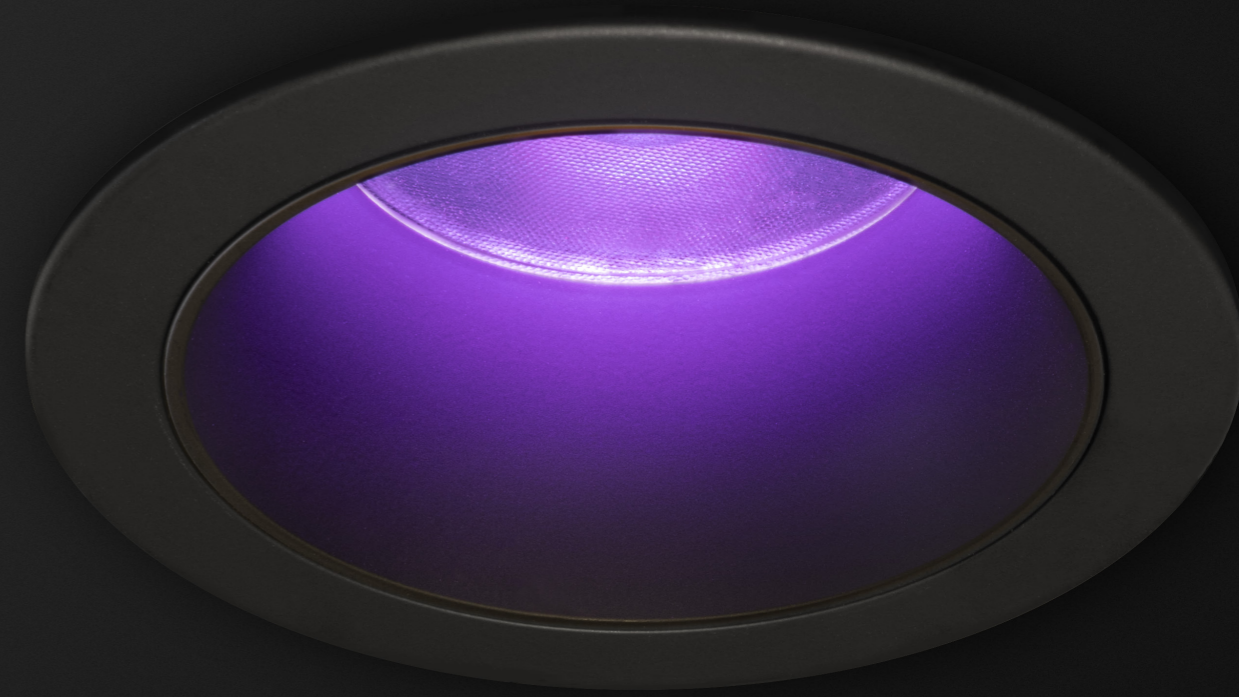
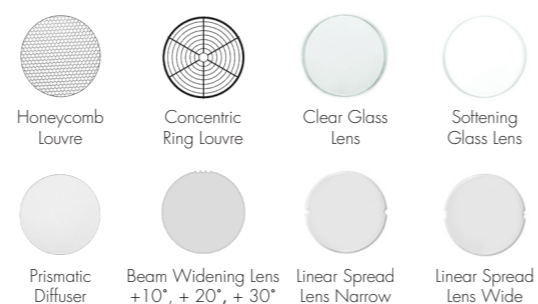
### Options



### Control Option

DMX/RDM

### Lenses & Accessories



# Unbelievable Versatility

Lumenpulse's Lumencore Recessed Opticolor+ offers versatile design options with various shapes, finishes, and reflectors to suit any architectural style. This adaptability allows seamless integration into diverse environments, from modern interiors to traditional spaces.

NOTE: Some exceptions, consult Specification Sheets for details.  
\*Consult factory for availability.



# A Crayon Box of Options

A vast crayon box of optics, colours, controls, sizes, and mounting options give designers an unprecedented amount of choice to fuel their imagination and create applications once thought impossible with a Lumencore Cylinder.



## Optics



Narrow Spot 15° | Narrow 25° | Medium 40° | Wide 60°



True Asymmetric Wallwash | Double Asymmetric

## Mountings



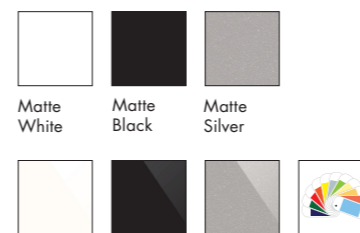
Pendant | Wall Mount | Surface Mount

## Length



330mm | 457mm | 584mm

## Finishes



Glossy White | Glossy Black | Metalised Grey | Custom Colour

## Sizes



Nano | Small | Medium | Large

## Outputs

700lm | 1000lm | 1300lm | 2000lm  
3000lm | 4000lm | 5000lm | 6000lm

## Colour Temperatures



## Colour Rendering Options

80+ | 90+ | 95+ | Radiant 80+ | Radiant 95+

## Control Options

- On/Off Control
- 1-10V, 1% linear or logarithmic
- Pro 1-10V, 0.1% linear or logarithmic
- Standard DALI, 1% linear or logarithmic
- Pro DALI, 0.1% linear or logarithmic
- Phase Dimming
- DMX/RDM
- lumen talk

NOTE: Some exceptions, consult specification sheets for details.

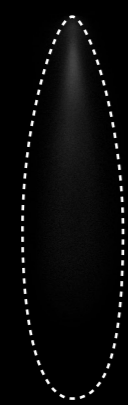
Extra Narrow 5°



Very Narrow 10°



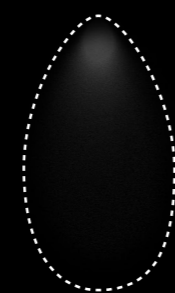
Narrow Spot 15°



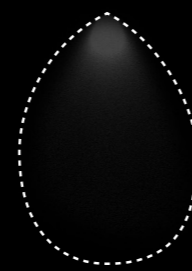
Narrow 25°



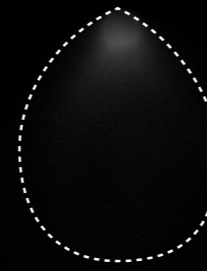
Medium 40°



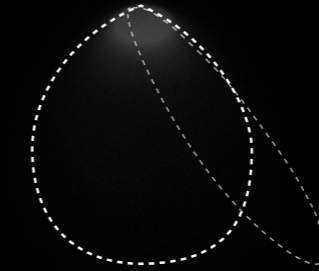
Wide 60°



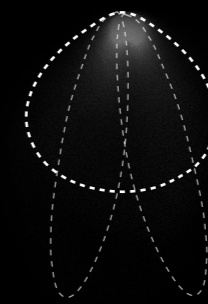
Very Wide/Very Wide Faceted 80°



Accent Wallwash



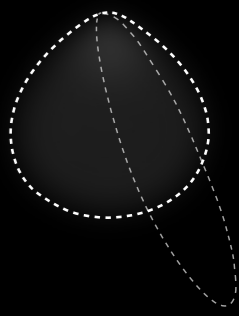
Double Asymmetric Wallwash



True Asymmetric Wallwash



Invisio Wallwash



# Optical Exaltations

With an uncompromising approach to optics, Lumenpulse Point Source luminaires can provide the tools for vertical illumination, general lighting, spot lighting, accent lighting, asymmetric and double asymmetric distributions. By using the same light engine and same optics in the Lumencore Recessed, and Cylinders, the beam spread and performance is consistent no matter which fixture you select for your application.

**Up to  
118lm/W**



# The Science Behind our Beautiful Light Beams

With an emphasis on visual quality, optics ensure smooth, even beam distributions with exceptional optical control.

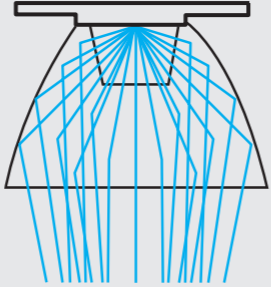
- No fried egg appearance
- Soft, smooth edge
- No striations
- Even colour.

### Precision Optics for Total Control

Lumenpulse's clear polymer LED lenses harness the power of total internal reflection (TIR) to direct light precisely where it's needed. Unlike reflectors, which allow a lot of light to spill out creating a wider field angle, our TIR optics capture and control all the light.



### Total Internal Reflection (TIR)



- ✓ All light passes through the optic
- ✓ Minimal light glare
- ✓ Increased efficiency and visual comfort



### TIR Optic

- ✓ Tight, clean beams
- ✓ No glare, no light spill
- ✓ Increased efficiency and visual comfort



### Faceted Reflector

- ✓ Very efficient
- ✓ Crisp transitions between beam and field angle
- ✓ Stronger, wider beam angles



### Semi-Specular Reflector

- ✓ Perfect for general lighting
- ✓ Soft transition between beam and field angle
- ✓ Great for wider beam angles

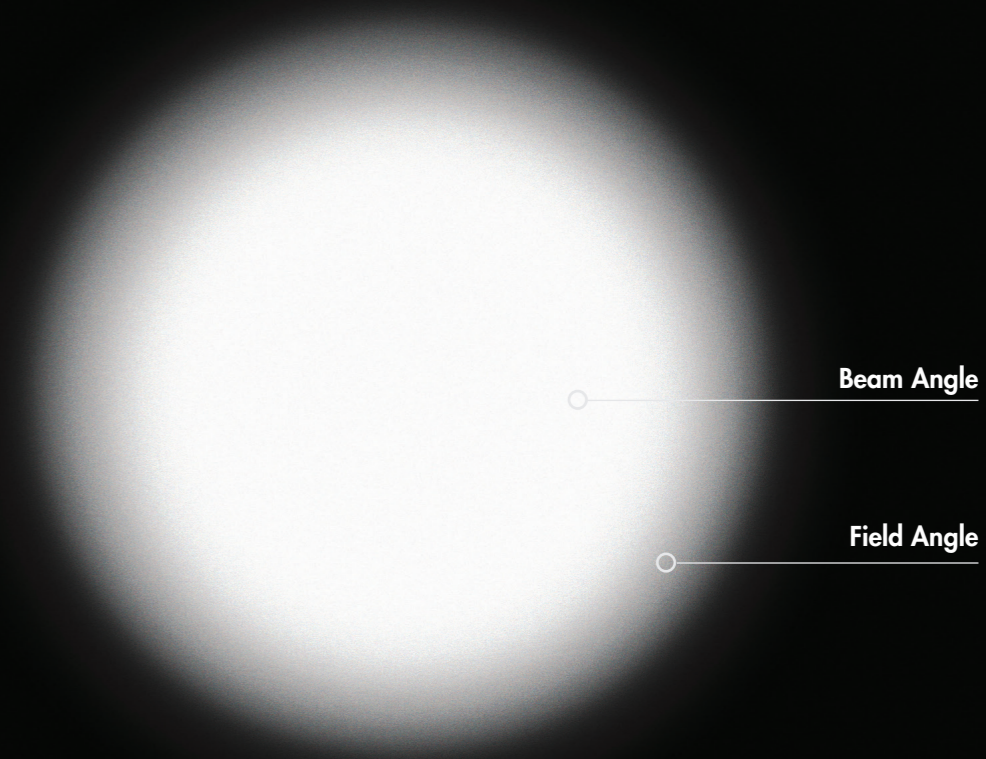
NOTE: Some exceptions, consult specification sheets for details.

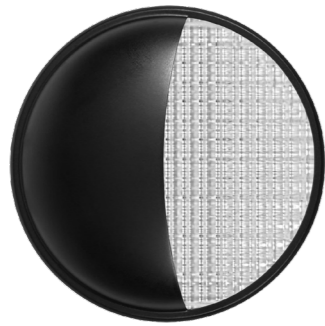
# Know Your Angles

No two light beams are quite the same. Even light sources that claim to have the same beam angle can look very different in practise.

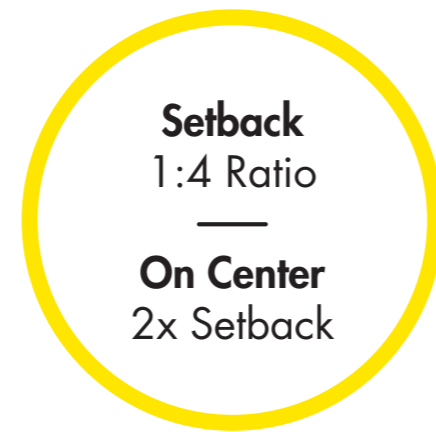
**Beam Angle** is the angle at which the luminous intensity of a light source falls to 50% of the maximum. Beam angle is a useful measure of where most of your light is going, but it doesn't tell you how wide the rest of the light will be spread.

**Field Angle** is the angle at which luminous intensity falls to 10% of the maximum. In other words, pretty much all of your light falls within this angle.





True Asymmetric Wallwash Assembly



## True Asymmetric Wallwash

### **True Uniformity**

- Exceptional uniformity below 0.25 (min./max.)
- Generous spacing between luminaires
- Available in smaller sizes, 70 mm and 100mm diameters





Double Asymmetric Assembly

## Double Asymmetric

### **The Advantages of our Asymmetric Distribution with Double the Coverage**

- A studied optic that puts light on facing walls and floors
- Great for passageways and corridors
- Available in smaller sizes, 70 mm and 100mm diameters



# Field-Changeable Optics and Accessories

Lumencore Cylinders, and many of our Lumencore Recessed can change face whenever you like. Accessories can easily be swapped wherever you've mounted your luminaire. When projects are suddenly modified, you can instantly adapt.



Available for Lumencore Recessed, and Lumencore Cylinders



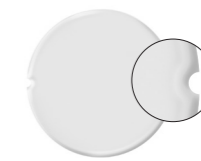
Clear Glass Lens



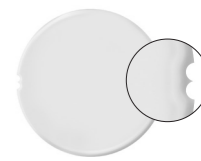
Softening Glass Lens



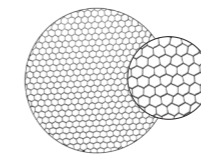
Prismatic Diffuser



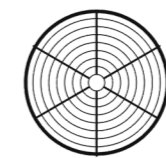
Linear Spread Lens Narrow



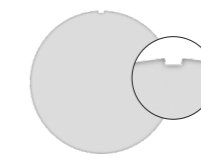
Linear Spread Lens Wide



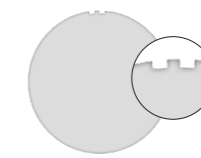
Honeycomb Louvre



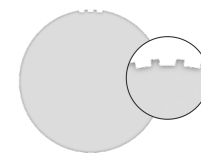
Concentric Ring Louvre



Beam Widening Lens +10°



Beam Widening Lens +20°



Beam Widening Lens +30°

Available for Lumencore Recessed, and Lumencore Cylinders

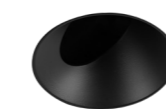


Double Asymmetric



Wallwash Optic

Available for Lumencore Recessed



Tilt Wallwash

Available for Lumencore Cylinders



Decorative Ring

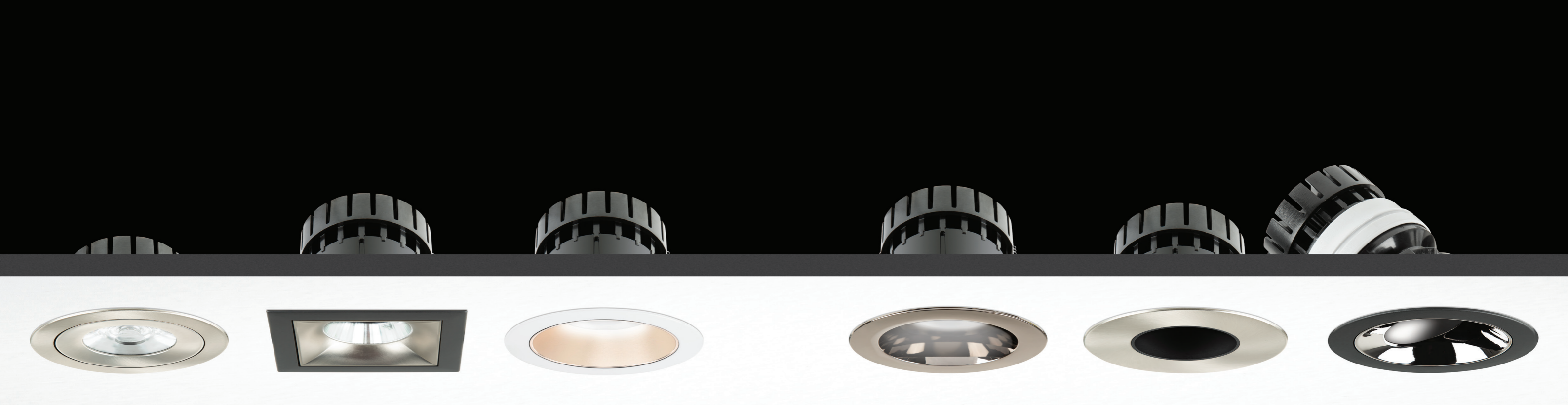


Snoot



Half Snoot

NOTE: Some exceptions, consult specification sheets for details.



# Adaptable Flexibility

Don't worry, we've got you covered. If a trim has to change to a trimless, no need to re-order a completely new product. If a paint chosen for a space suddenly changes, so can the look of the Lumencore. With simple field-replaceable kits, you'll be able to quickly update your install in the field.



# On-the-Fly, in the Blink of an Eye

Change your mind and accessories as often as you like. Our entire point source family are easily adaptable to any change of plans. Decorative bezel colours, snoots, optics and much more can be swapped to meet design changes quickly in the field.



**1** Remove the magnetic trim.



**2** Unclip the Lumencore from its ceiling mount.



**3** Lift the spring-loaded plastic lock and twist the optic and bezel from the body.



**4** Choose any compatible bezel or optic and lock back in place.



**5** Clip the Lumencore back into its ceiling mount and add the magnetic trim of your choice.

The Lumenpulse Lumencore Cylinder key helps keep others out while allowing you to change accessories and optics wherever your luminaires may be.



**1** Unlock the front ring with the key provided.



**2** A spring-loaded mechanism allows for various layers of optics and accessories to be added.



**3** Layers of accessories have the space they need and are held tightly by the spring mechanism when closed.

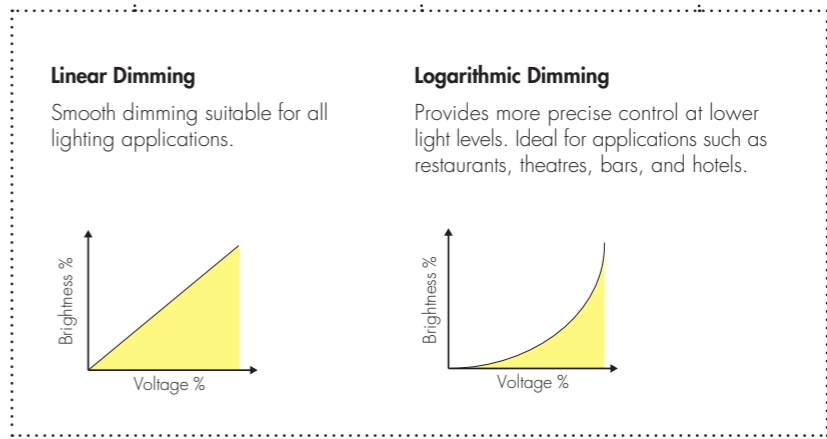
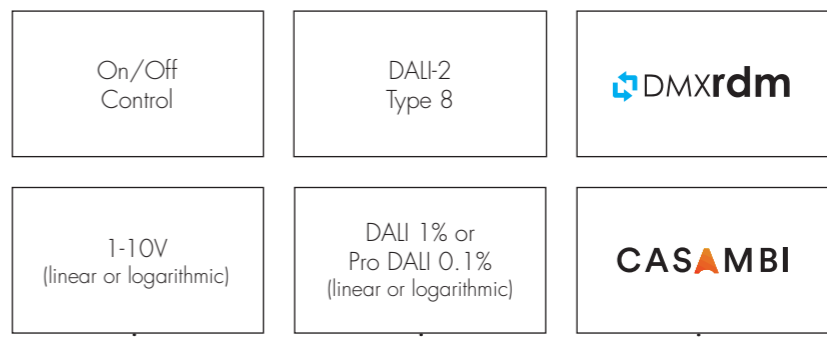


**4** Simply twist the front ring into place and the cylinder is locked.



# Control Flexibility

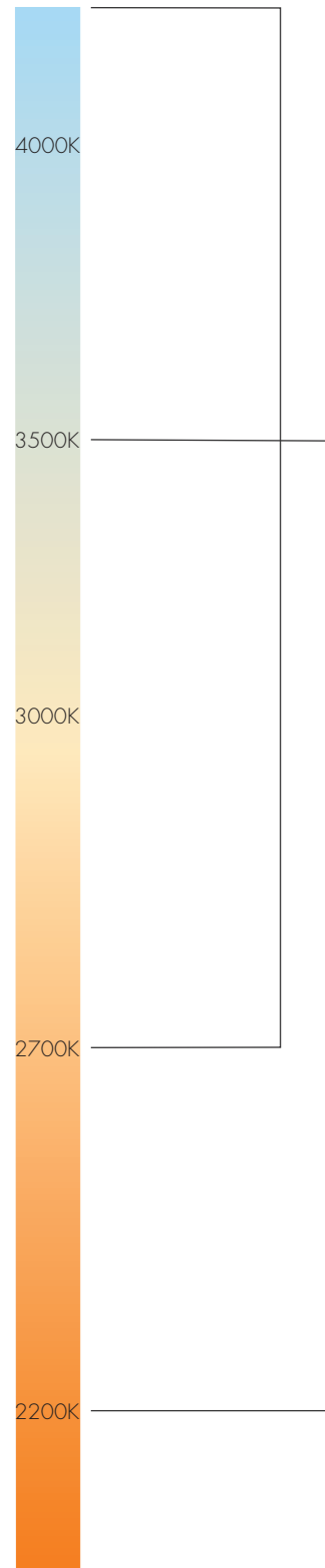
There should be no lighting without lighting control. That's why our point sources are compatible with multiple control systems. Choose between a variety of wired control options, or use our innovative Lumentalk technology to enable digital control over existing wiring installations.



NOTE: Some exceptions, consult specification sheets for details.



6500K



2700K – 6500K

**Dynamic White** is a tunable white, that lets you use your lighting controls to create a scenario that coincides with the rhythmic changes of the natural environment.



3500K – 1800K

**Dim to Warm Plus** reduces a luminaire's colour temperature when dimming, allowing for smooth variations in warm white light.



2200K – 3500K

**Dynamic Warm White Plus** allows for variations at the warmer end of the spectrum without any loss in the luminaire's output or intensity.

1800K

2-channel or 3-channel (Dwh, Dwwp)  
Compatible with DMX/RDM,  
and DALI-2 Type 8.

6500K



1800K

1 channel (Dtwp)  
Compatible with 1-10V,  
DMX/RDM, and SDAI.

# Ambiance at your fingertips





# Less Than 5% Light Loss After Six Years

Our Lumencore Recessed, Lumencore Track, and Lumencore Cylinders offer an unbelievable new standard in LED lifetime performance. With an L95 of 55,000 hours, designers can be confident that their projects will maintain at least 95% of their initial light levels after six years of continuous use.\*

### L95

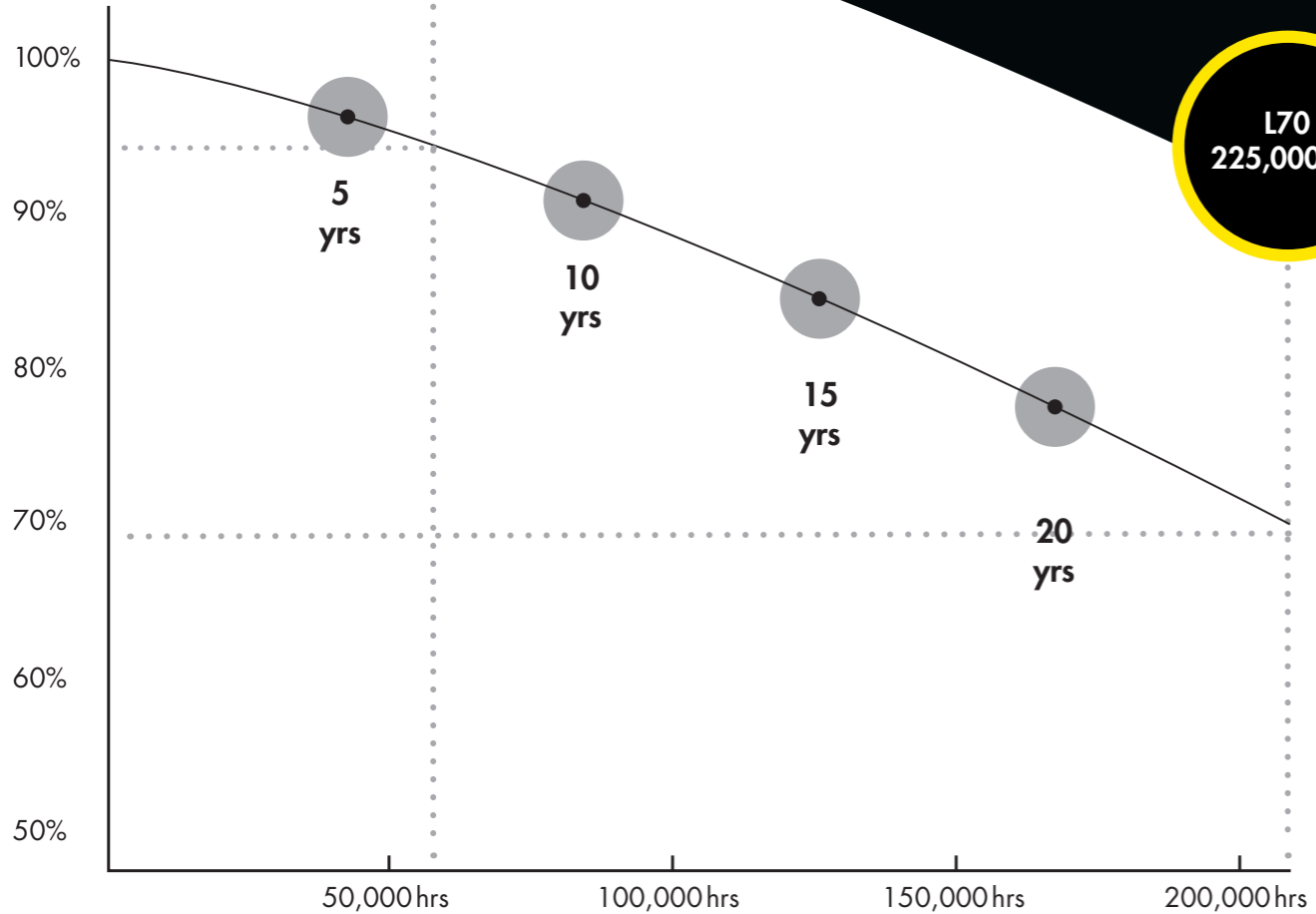
Our lights still provide 95% of their original light output after six years – that’s a barely noticeable difference, and way ahead of the industry standard.

### L70

Even if you waited 25 years, the lights would still be perfectly effective, giving out 70% as much light as they did back at the start.

**L95**  
55,000 hrs

**L70**  
225,000 hrs

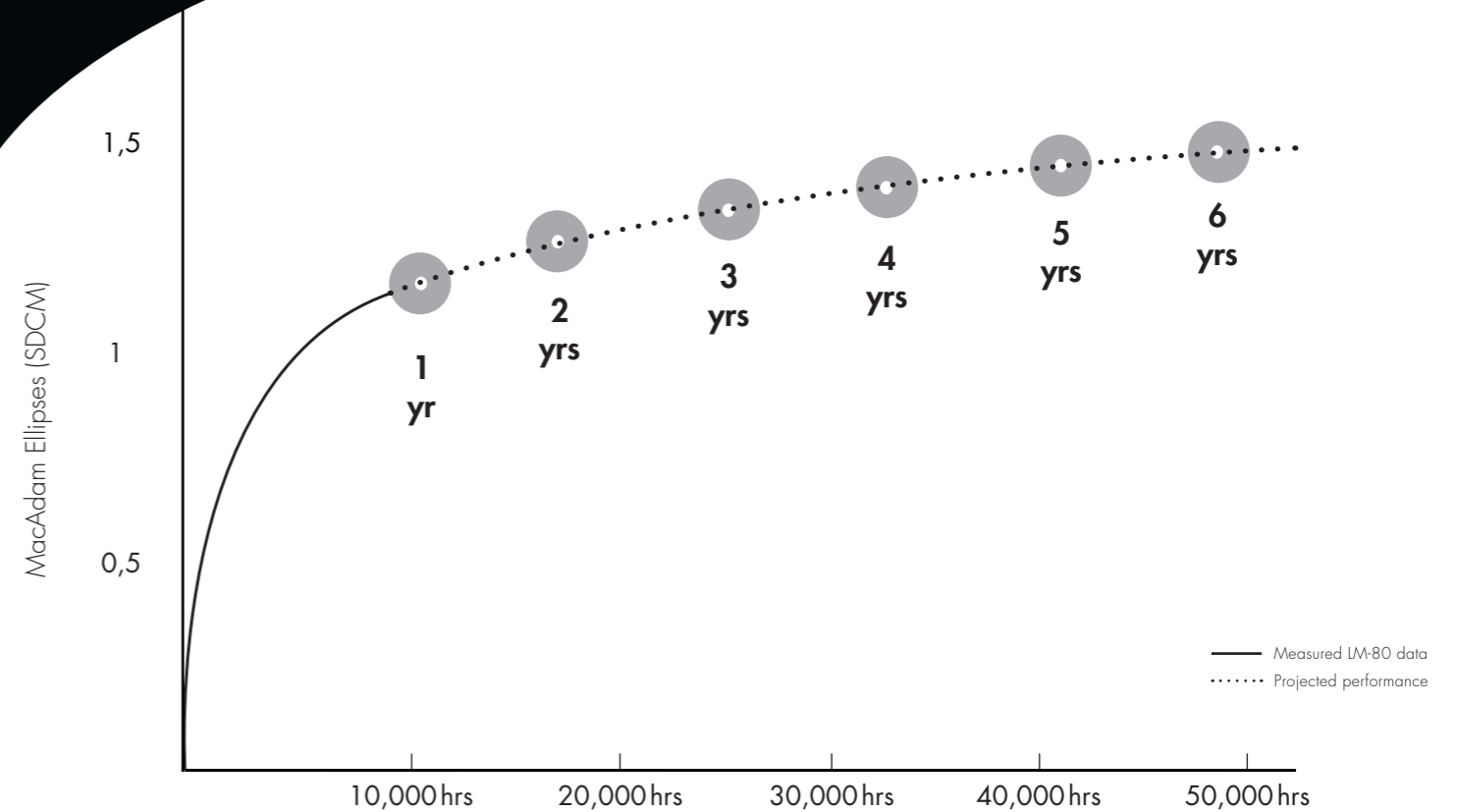


# Unbeatable Colour Stability Over Time

Colour consistency within 2 SDCM over six years

## Guaranteed Colour Stability

- No visible colour shift over six years
- Colour consistency within 2 SDCM
- Independently tested for over 10,000 hours



\*L95 of 55,000 hours is a reported value of TM-21 based on LM-80 Testing.



Gowling Offices, Montreal, QC, Canada  
Lighting Design: Imperatori Design



Business space, Montreal, QC, Canada  
Architects: Ædifica





ARTM Office, Montreal, QC, Canada  
Architects: A.difica



GMAD Office, Montreal, QC, Canada  
Architects: GMAD - Groupe Marchand Architecture Design Inc.

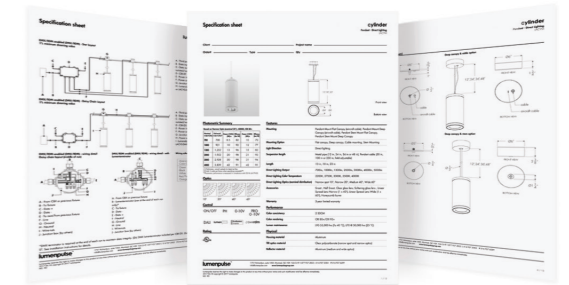




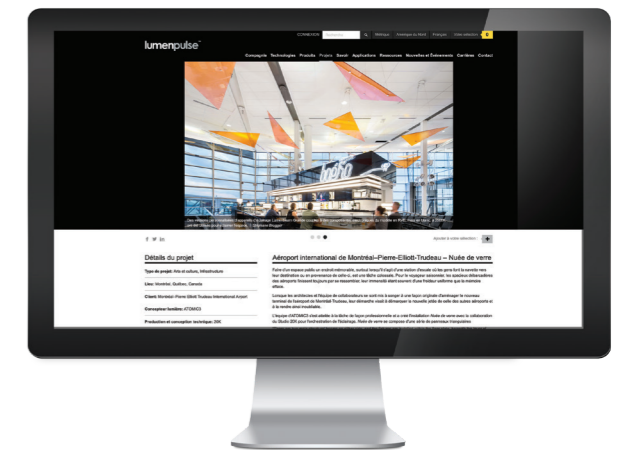
# Leave No Question Unanswered

We like to arm our partners and colleagues with as much supporting documentation as they need. That's why we make it easy to access up-to-date information. From our website, you can download case studies, brochures, specification sheets, photometric data, installation instructions, BIM files, and CAD drawings.

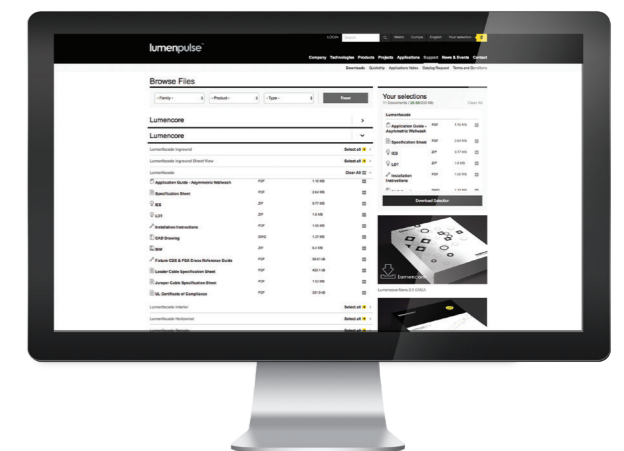
Clients can be reassured that all our luminaires are independently tested by certified laboratories, in accordance with LM-79-08 procedures published by the IES. If you have any questions or comments regarding our documentation, please feel free to contact us at [info@lumenpulse.com](mailto:info@lumenpulse.com).



Documentation



Website



Support Files



#### Corporate Headquarters

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