



lumencore recessed

The Nexus of Performance



LUMENCORE RECESSED

A family of universal solutions for your downlighting needs. Lumencore Recessed luminaires let you build your look while letting you enjoy the exceptional quality of light for which Lumenpulse is famous.



Outperforming

The one-piece heatsink helps to expand each Lumencore Recessed lifetime and enables them to outperform in every application with 225,000 hours (L70), 55,000 hours (L95), and outputs of up to 5000lm.



Endless Opportunities

Available in an array of trims, bezel finishes, optics, color renderings, and accessories, these control agnostic luminaires are here to excite.



Adapt to the Times

Change with the seasons, keep up with market trends and ever-changing design needs. The twist-and-lock bezels and optics let you revise and change your design in the field.



No-Time Install

Click-and-go connectors save time during installs. The low profile of Lumencore Recessed luminaires enables you to install wherever you wish and with less disruption due to lengthy construction.



Water Ready

Choose between WET IP54-rated and Shower Rated IP55 products. Shower Rated products come standard with Dead Front bezels to meet local code needs.

LUMEN CORE

At the core of design is the desire to awe. The nexus of the Lumencore Recessed performance begins with this same foundation, the same principle that fuels your lighting designs. We've built upon this nucleus, giving Lumencore Recessed luminaires the optic, output, color temperature, and aesthetic choices to solve each and every one of your Lumencore Recessed dreams, needs, and realities.





UNI VER SAL

Numerous Possibilities for Every Design and Application

1. Size

- Lumencore Recessed Nano 2¾ in – 70 mm
- Lumencore Recessed Small 4 in – 100 mm

2. Function

- Recessed Fixed
- Recessed Adjustable
- Recessed Wallwash

3. Bezel

- Standard
- Mid
- Deep
- Deep Rolled
- Pinhole
- Adjustable
- Tilt
- Invisio Wallwash
- Accent Wallwash
- True Asymmetric Wallwash
- Double Asymmetric

4. Trim

- Round
- Round/Square
- Square
- Trimless

The right fit

Look no further. There is a Lumencore Recessed luminaire that's ready for your design. We've looked at every angle and listened to your application needs to make sure that your displays, restaurants, and rooms stay memorable.



Wallwash



Adjustable



Fixed

Lumencore Recessed

Lumencore Recessed Nano



Lumencore Recessed Nano Downlight



Lumencore Recessed Nano Adjustable



Lumencore Recessed Nano Wallwash



Lumencore Recessed Nano Tilt



Lumencore Recessed Nano Shower Rated



Lumencore Recessed Nano Pinhole

Lumencore Recessed Small



Lumencore Recessed Small Downlight



Lumencore Recessed Small Adjustable



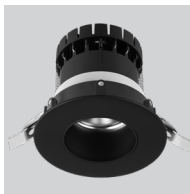
Lumencore Recessed Small Wallwash



Lumencore Recessed Small 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 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



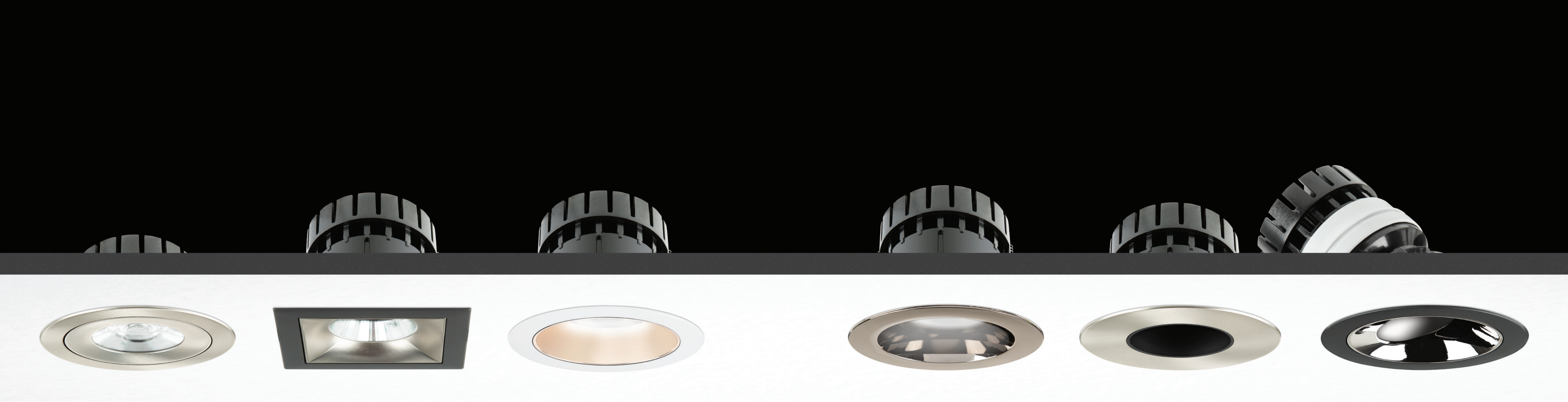
Lumencore Recessed Small Tilt



Lumencore Recessed Small Shower Rated



Lumencore Recessed Small Pinhole



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.

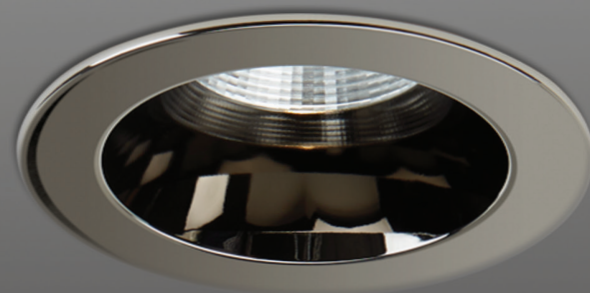


Endless Opportunities

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.



* See website for valid configurations.



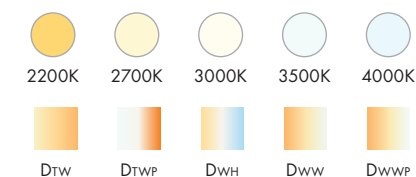
Sizes



Outputs

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

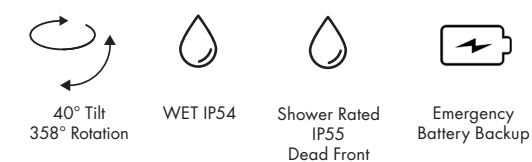
Color temperatures



Color rendering options

80+ | 90+ | 95+

Options

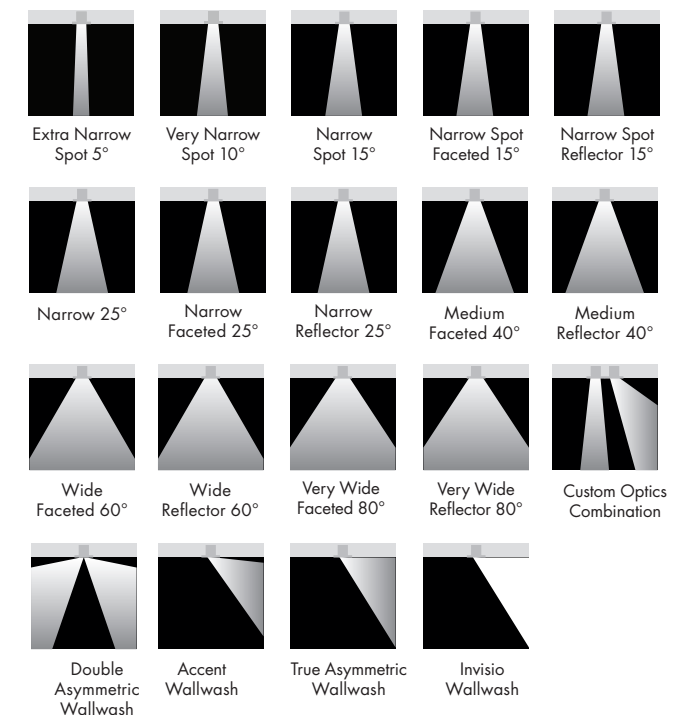


Control options

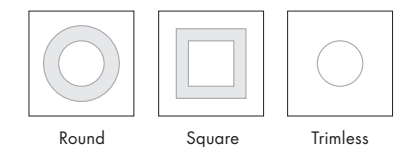
- On/Off Control
- DAMC, 0-10V 1%, or Pro 0-10V 0.1% (linear or logarithmic)
- Phase Dimming
- Phase Dimming 1%
- Pro Phase ERP PHB Series
- Lutron® Hi-lume Premier 0.1% EscoSystem® PEQ0 Softon/Fade-to-Black
- Lutron® Vive
- nLight® nLight® Emergency
- DALI 1% or Pro DALI 0.1% (linear or logarithmic)
- DALI-2 Type 8
- DMX/RDM
- lumen talk

NOTE: Some exceptions, consult Specification Sheets for details.

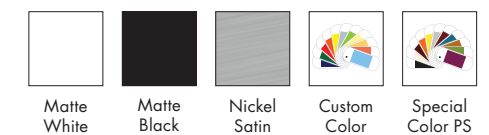
Optics



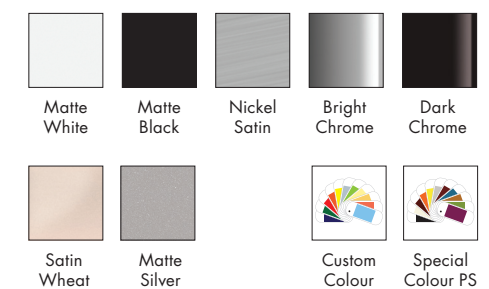
Trim shapes



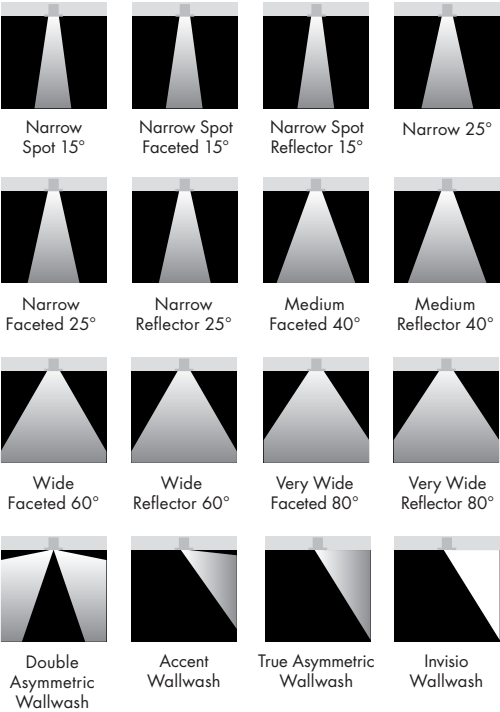
Trim colors



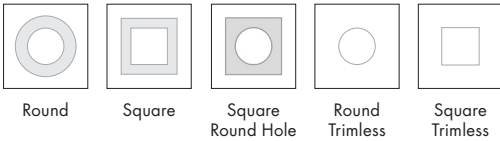
Bezel colors



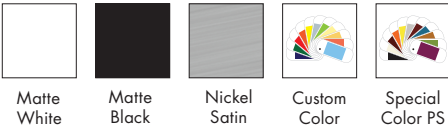
Optics



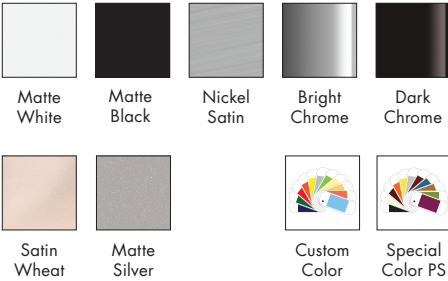
Trim Shapes



Trim Colors

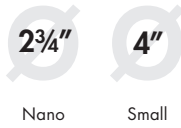


Bezel Colors



NOTE: Some exceptions, consult Specification Sheets for details.

Sizes



Color & Color Temperature



Color Rendering Option

A range of CRI's up to 95+

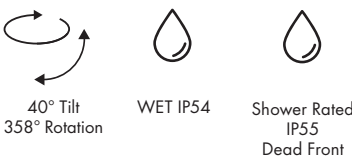
Outputs

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

Installation Types

- **RM** Remodel Non-Insulated Ceiling
- **NC** New Construction Non-Insulated Ceiling
- **PC** Plenum Non-Insulated Ceiling
- **IC** New Construction Insulated Ceiling
- **IC/AT** New Construction Insulated Ceiling Plenum/Airtight (Enclosed Box)

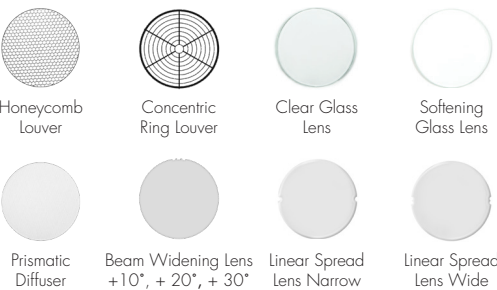
Options



Control Option

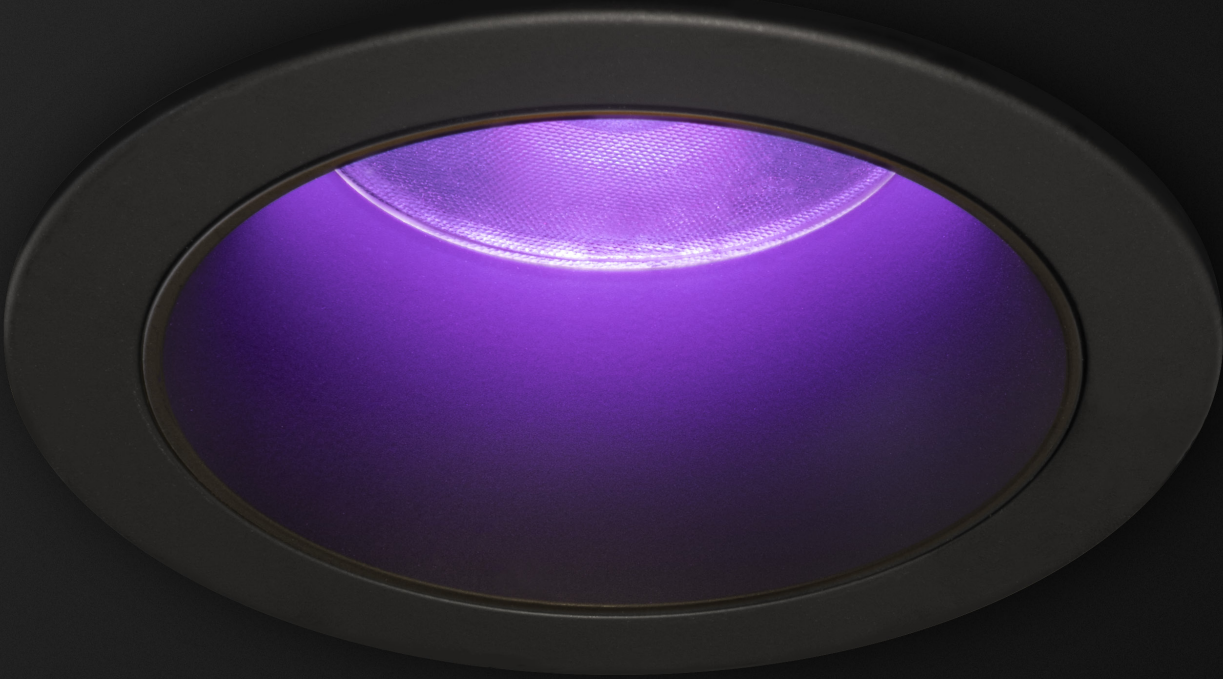
DMX/RDM

Lenses & Accessories



Unbelievable Versatility

Lumenpulse’s Lumencore Recessed Opticor+ 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.



Adapt to the Times

Whether you're changing your retail display or the entire layout of a waiting room, Lumencore Recessed luminaires make it easy to swap accessories in the field at a moment's notice.



1 Remove the magnetic trim.



2 Unclip the Lumencore Recessed from its ceiling mount.



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



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



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



Ceiling Mounting Ring

Lumencore Recessed Body

Optic

Decorative Bezel

Magnetic Trim



Let Lumencore get you
ahead with our
EZ Ship Program.

Spec Grade at the Speed of Light

Shipped Within
10
Business Days

Choose your Lumencore Recessed and Cylinders luminaires along with a number of options and features from the EZ Ship catalog, all available to ship within ten business days.

Shipped Within
5
Business Days

To keep your project and team on schedule, Lumencore Recessed Ceiling Mounting Kits can be requested for advanced shipping, leaving the factory in 5 business days.



Water Ready

Light your shower-song performances with confidence. Lumencore Recessed luminaires assure peace of mind every time you pick up the shampoo-bottle microphone or need to light an exterior canopy or wet kitchen.

Choose between luminaires that are WET IP54 rated or Shower Rated IP55 Dead Front.



WET IP54



Shower Rated
IP55
Dead Front





Outperforming

A new light engine with all the premium advantages only Lumenpulse can supply. Designed and assembled on our North American premises with best-in-class outputs (up to 4000lm) as well as a phenomenal lifetime and quality of light compared to similarly sized luminaires.

Less Than 5% Light Loss After Six Years

Our Lumencore Recessed, Track, and Cylinders offer an unbelievable new standard in LED lifetime performance. With an L95 of 55,000hours, 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.

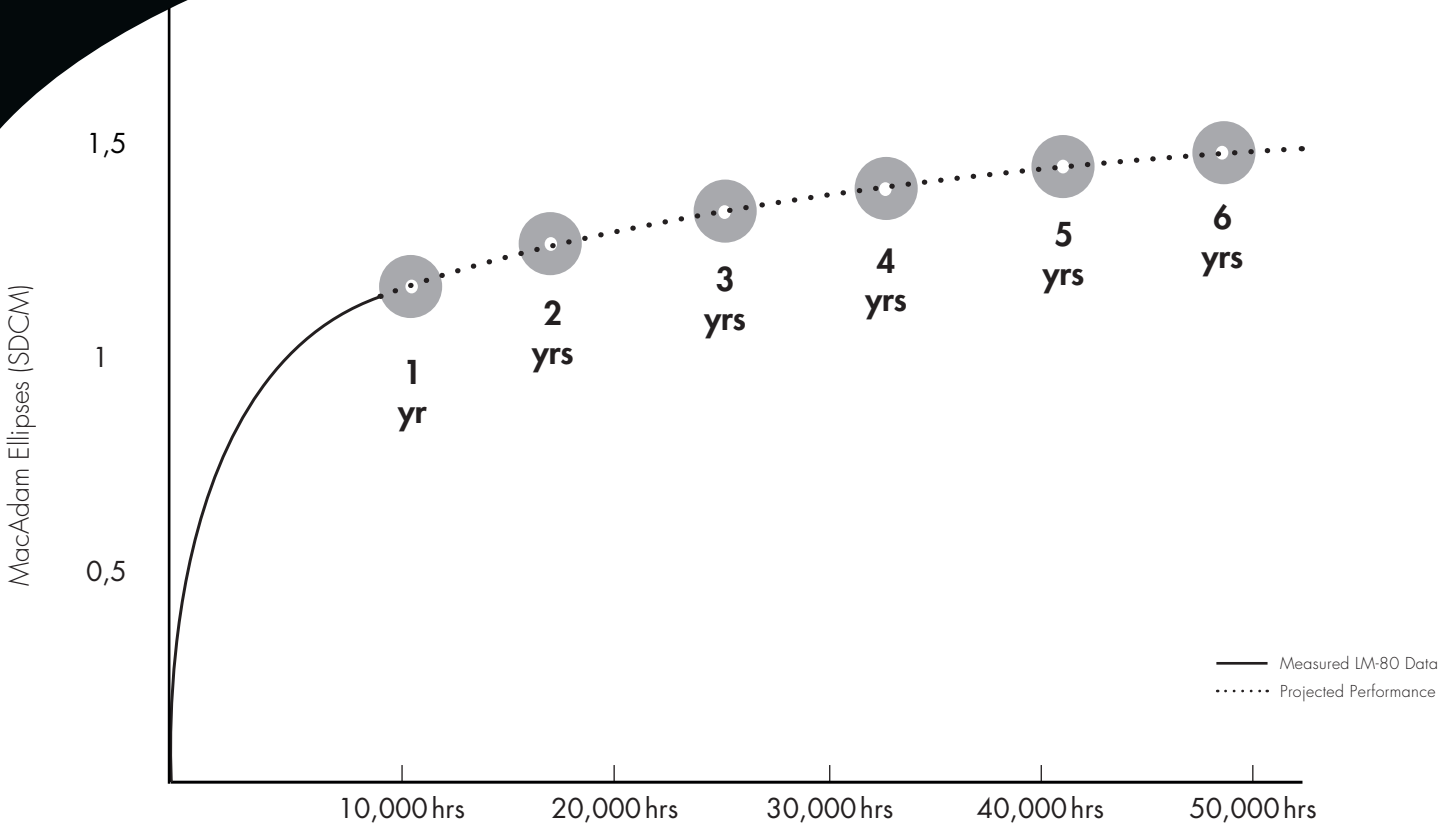
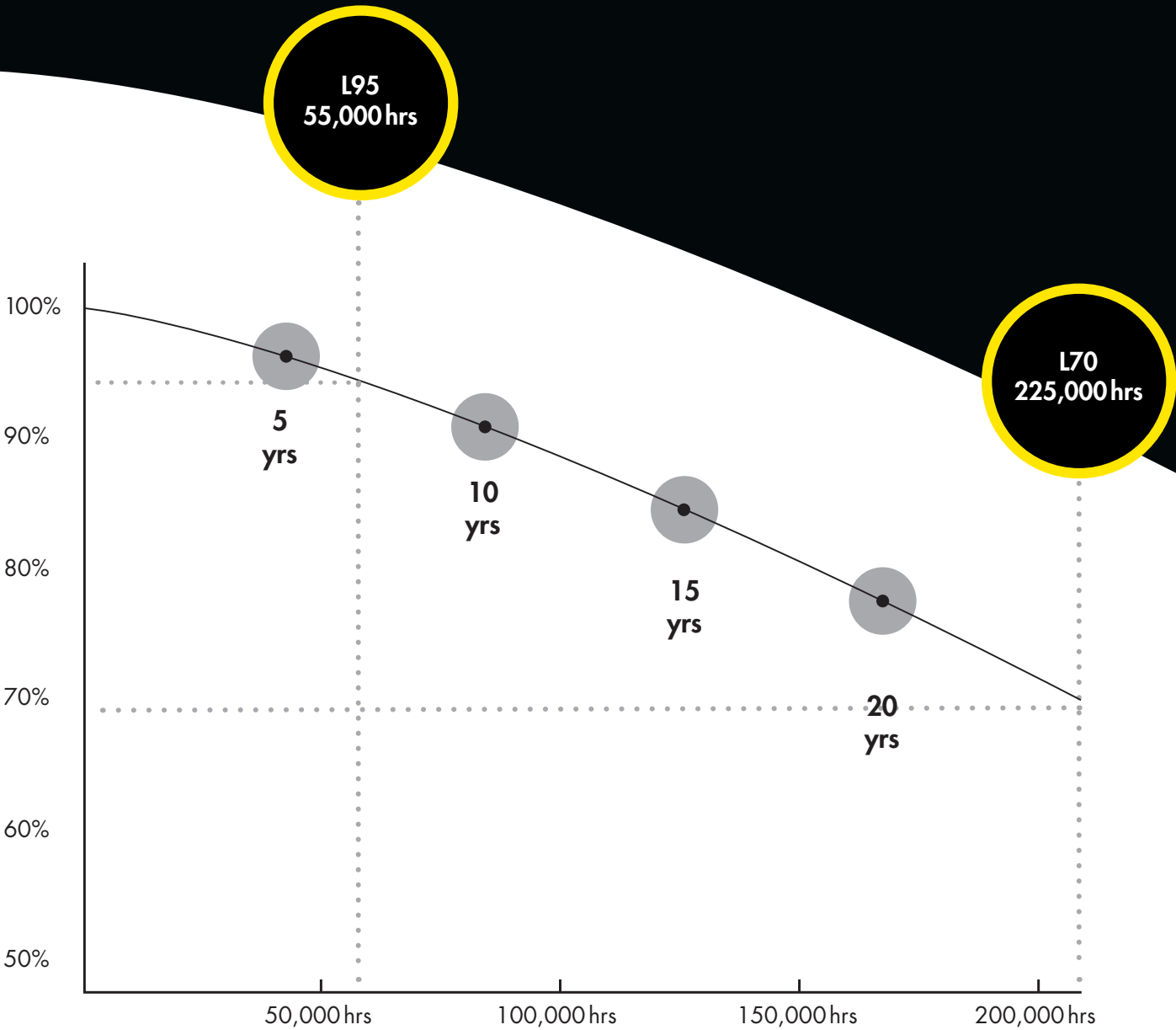
L70
Even if you waited 25 years, the lights would still be perfectly effective, giving out 70% as much light as they did back at the start.

Unbeatable Color Stability Over Time

Color Consistency
Within 2 SDCM Over
Six Years

Guaranteed color stability

- No visible color shift over six years
- Color consistency within 2 SDCM
- Independently tested for over 10,000 hours.



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

Extra Narrow 5°



Very Narrow 10°



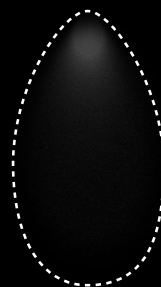
Narrow Spot 15°



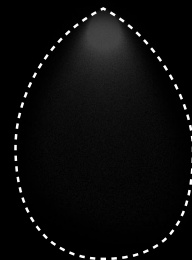
Narrow 25°



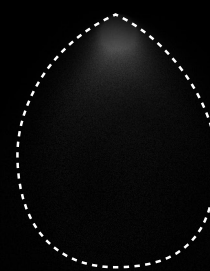
Medium 40°



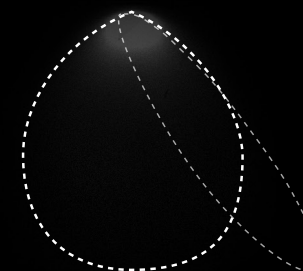
Wide 60°



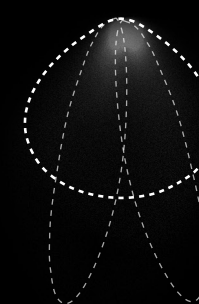
Very Wide 80°



Accent
Wallwash



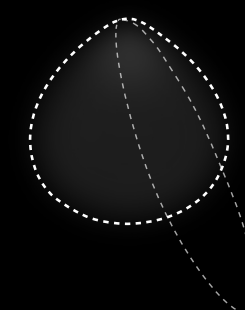
Double Asymmetric
Wallwash



True Asymmetric
Wallwash



Invisio
Wallwash



Optical Exaltations

The Lumenpulse Lumencore Recessed optics illuminate your target area with precision. Whether you're using the Extra Narrow 5° to highlight a retail display or the Double Asymmetric to increase the accessibility of library shelves, Lumenpulse optics meet the most demanding needs of any application.

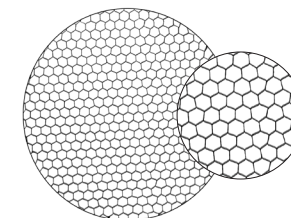
Up to
107lm/W



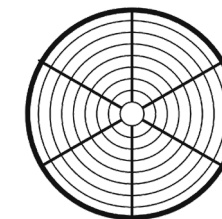
Field-Changeable Lenses and Accessories

Lumencore Recessed accessories and lenses can be switched whenever and wherever the need arises. The fluid flexibility of never being locked to one design is at the core of these luminaires. They embrace change while giving you the options you need.

Field-changeable lenses and accessories



Honeycomb Louver



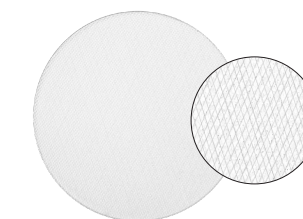
Concentric Ring Louver



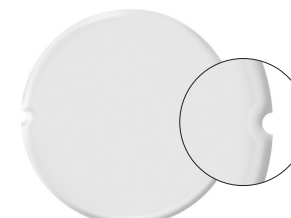
Clear Glass Lens



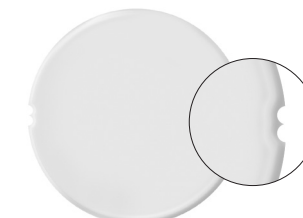
Softening Glass Lens



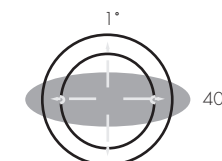
Prismatic Diffuser



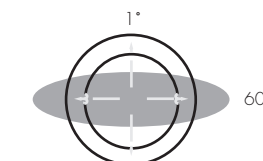
Linear Spread Lens Narrow



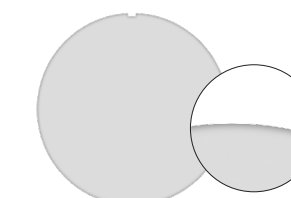
Linear Spread Lens Wide



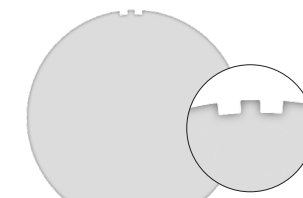
Beam Distribution



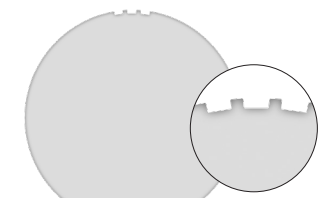
Beam Distribution



Beam Widening Lens
+10°



Beam Widening Lens
+20°



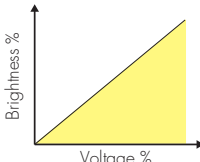

Beam Widening Lens
+30°

NOTE: Some exceptions, consult Specification Sheets for details.

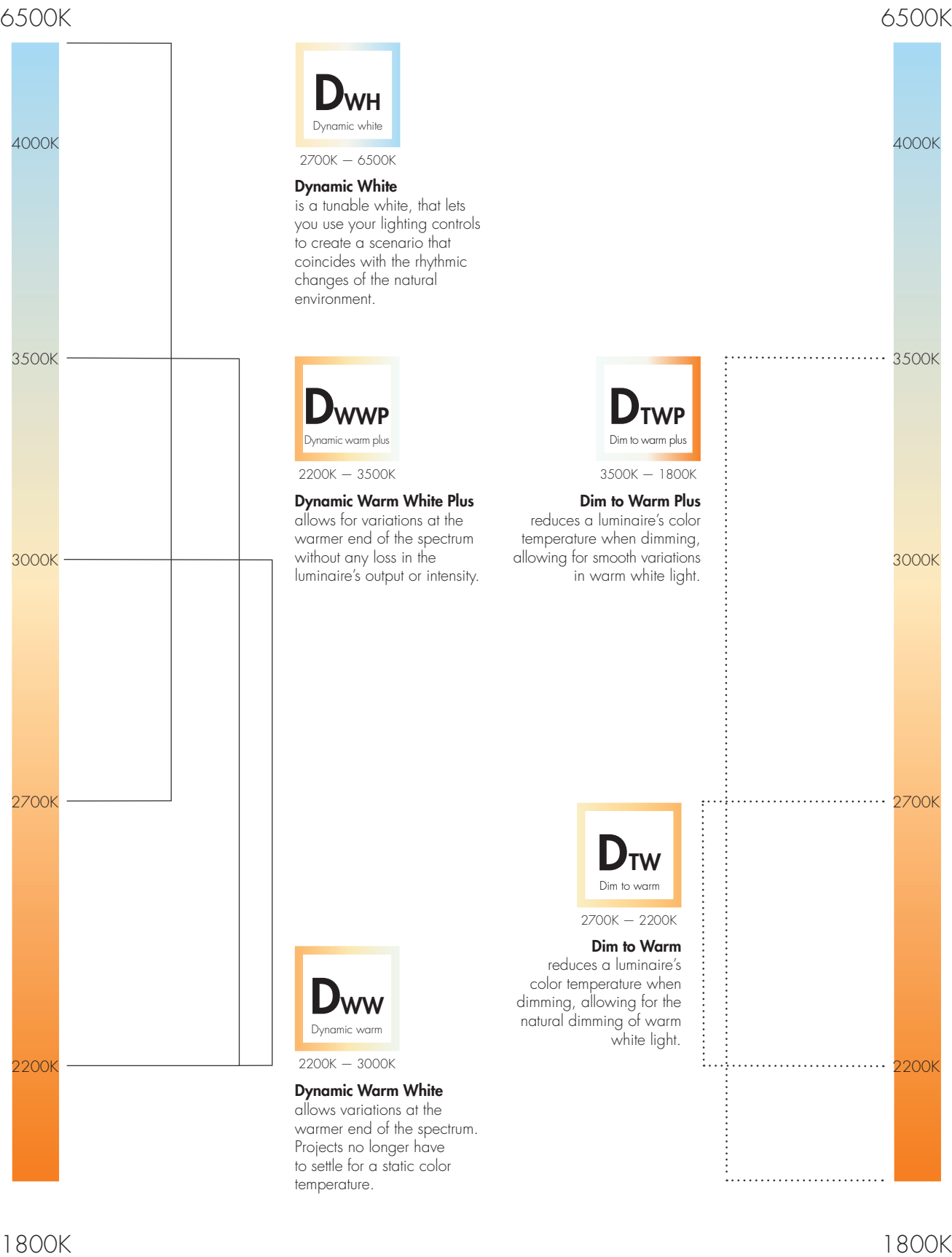


Control Flexibility

Lumencore Recessed luminaires 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 and track installations.

| | | | |
|---|---|---|---|
| Available dimming curves | | | |
| <div>Linear dimming</div> <div>Smooth dimming suitable for all lighting applications.</div> <div></div> | On/Off Control | | |
| | Phase Dimming | Phase Dimming 1% | Pro Phase Dimming ERP PHB Series |
| | 0-10V 1% | PRO 0-10V 0.1% | |
| | DALI 1% | Pro DALI 0.1% | |
| |  |  | Lutron® Ecosystem® Premier 0.1% Soft-on/Fade-to-Black |
| <div>Logarithmic dimming</div> <div>Provides more precise control at lower light levels. Ideal for applications such as restaurants, theaters, bars, and hotels.</div> <div></div> | DALI 1% | DALI-2 Type 8 | Pro DALI 0.1% |
| | 0-10V 1% | PRO 0-10V 0.1% |  |
| |  | | |
| | | | |

NOTE: Some exceptions, consult specification sheets for details.



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

1 channel (Dtw - Dtwp)
Compatible with 0-10V,
DMX/RDM, Lumentalk, and SDAI.

Ambience at Your Fingertips



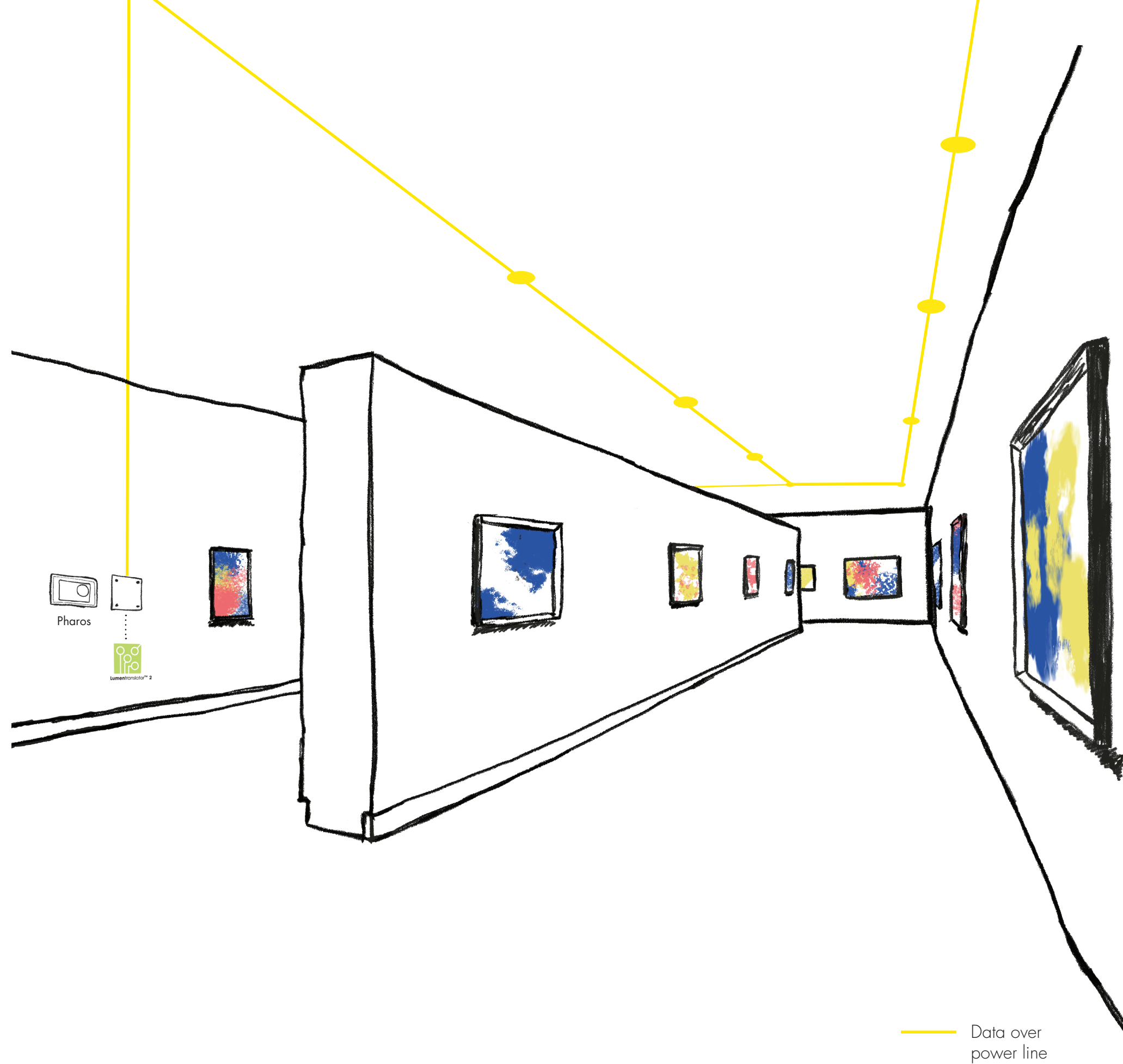
Take Control

Lumentalk technology is available for Lumenpulse Lumencore Recessed, Track and Cylinders. Lumentalk uses AC power lines as a digital control network, allowing easy, networkable LED lighting systems with no re-wiring required.

Lumentalk instantly increases flexibility, providing massive savings on cables, conduits, and labor.

Lumentalk is:

- Programmable
- Configurable on the fly
- Not limited by physical wiring
- Able to allow individual control of your point source family.



— Data over
power line



ENTICING LIGHTING EVERYWHERE

A span of optic and aesthetic choices help you sign your designs with singularity. Amply ready to tackle any application, Lumencore Recessed fixtures are indispensable, flexible solutions for every indoor application.

| | |
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| Focused Lighting | 50 |
| Residential Lighting | 52 |



Model

Lumencore Recessed Small

Output

4000lm

Distribution

40°

Public Spaces

General lighting is meant to provide spaces with brightness and visual comfort. Uniformity in general lighting ensures safety and security by enabling high visibility while simultaneously maintaining comfort.

Applications include classrooms, reception areas, entrances, large passageways, open workplaces, retail, audience seating, and waiting rooms.

Application Tips

- Luminaire size can be scaled to the ceiling height.
- Faceted reflectors increase efficiency in higher ceiling applications.
- Using a narrow beam spread brings light to the floor and eliminates scallops of light on the walls.

Model
Lumencore Recessed Small

Output
2000lm

Distribution
60°





Model

Lumencore Recessed Small

Output

2000lm

Distribution

20°

Corporate Spaces

Provide a safe, stylish mode of corridor lighting by creating a general uniformity throughout an area or by using wallwash optics at a 3:1 ratio, which means you can achieve even, bright light with fewer luminaires.

Perfect for applications in offices, medical buildings, libraries, retail, galleries, and institutions.

Application Tip

- Use the double asymmetric optic to showcase both corridor walls and floors simultaneously.

Model
Lumencore Recessed Small

Output
2000lm

Distribution
60°

Model
Lumencore Recessed Small

Output
2000lm

Distribution
Wallwash



Corridor Lighting

Medium Uniformity
4 fixtures



Dimensions: 6' x 50' x 12'

Model
Lumencore Recessed Small (1300lm)
Beam angle
40°
Spacing
13ft
Avg. maintained fc
11fc

High Uniformity
5 fixtures



Dimensions: 6' x 50' x 12'

Model
Lumencore Recessed Small (1300lm)
Beam angle
60°
Spacing
11ft
Avg. maintained fc
11.24fc

True Asymmetric Wallwash
11 fixtures



Dimensions: 6' x 50' x 12'

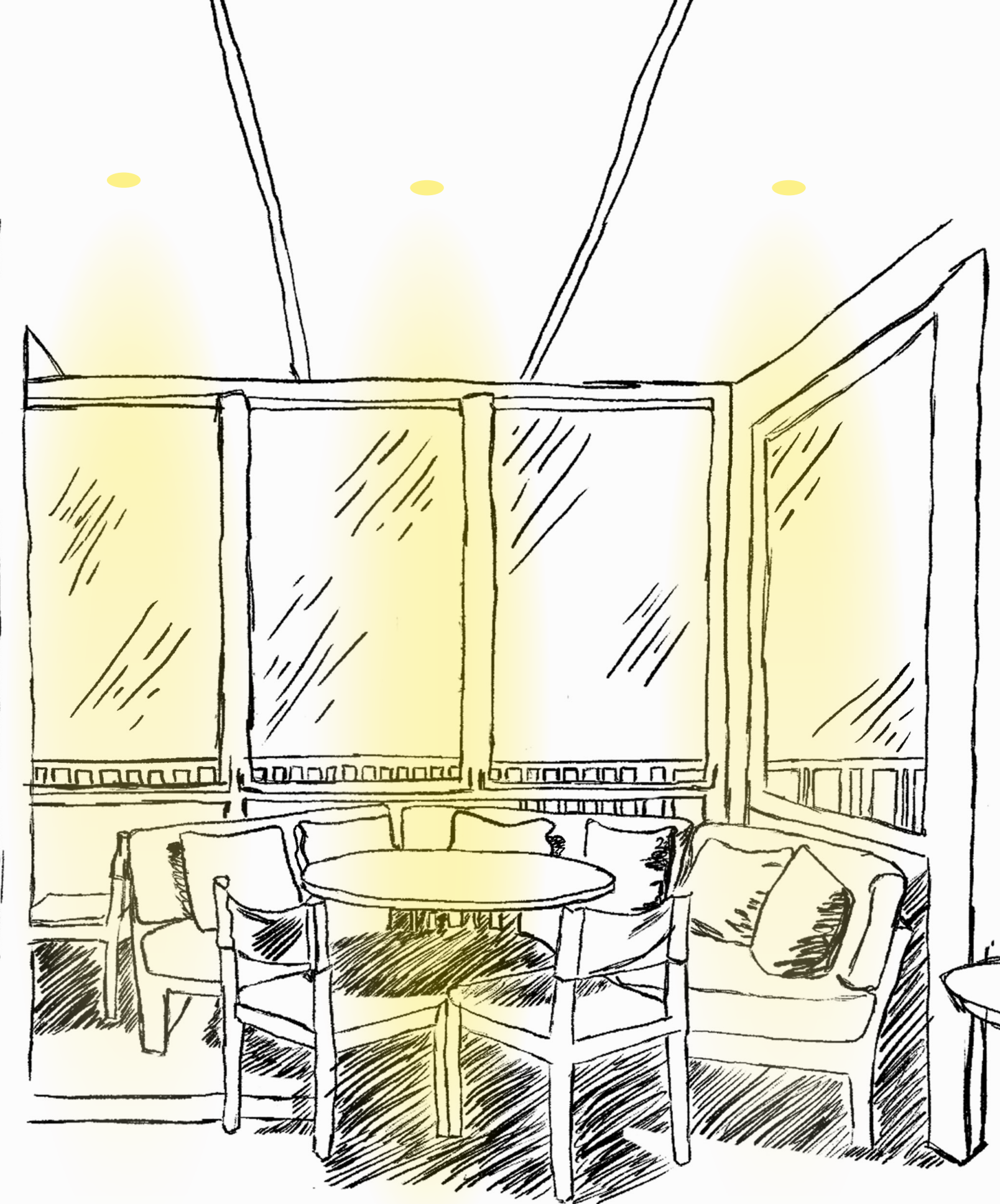
Model
Lumencore Recessed Small (1300lm)
Beam angle
True asymmetric wallwash
Spacing
4.5ft
Avg. maintained fc
17.31fc
Uniformity
4.61:1 (max./min.)

Double Asymmetric
9 fixtures



Dimensions: 6' x 50' x 12'

Model
Lumencore Recessed Small (1300lm)
Beam angle
Double asymmetric
Spacing
6ft
Avg. maintained fc
10.24fc
Uniformity
1.64:1 (max./min.)



Model

Lumencore Recessed Nano

Output

1300lm

Distribution

10°

Hospitality

Indoor accent lighting is often up to three times brighter than surrounding lighting and is used to draw the eye towards such focal points as special features, displays, and architectural details. Through the use of contrasting light, accent lighting heightens the drama of a space.

Hotel lobbies, waiting areas, and more intimate niches in public spaces can be set apart and made more alluring through accent lighting.

Application Tips

- Use a 5° distribution to keep light where you want it.
- Field-changeable optics and beam widening lens help you adjust on the fly.
- Typically mounted with a 18 in - 24 in setback from what you want to highlight.

Model
Lumencore Recessed Nano

Output

1300lm

Distribution

25°





Model

Lumencore Recessed Nano

Output

1300lm

Distribution

15°

Dramatic Spaces

Mood lighting not only increases drama and ambiance to create a memorable experience for customers and clients; it also allows a space to express itself.

This type of lighting is excellent for emboldening decor and architectural features in the hospitality industry, as well as retail and office spaces.

Application Tips

- Choose a dark bezel to keep the ceiling quiet.
- Linear spread lenses make grazing easy and preserve the Lumencore Recessed form factor.
- A 25° distribution provides the opportunity to create rhythmic patterns and broader beams of light.

Model
Lumencore Recessed Nano

Output

700lm

Distribution

5°



Wallwash Options

Wallwashing adds emphasis to vertical surfaces, making spaces feel more substantial and more spacious while increasing visual comfort. The technique is also useful to draw attention to shelving and walls in retail or exhibition spaces.

The coefficient of utilization (CU) is a factor used to determine the efficiency of a light fixture when delivering light for a specific application. The CU is determined as a ratio of the light output from the luminaire that reaches the workplane to the light output of the lamps alone.

Setback
1:4 ratio

On Center
2x setback



Asymmetric Wallwash

- Use a Lumencore Recessed with an asymmetric wallwash lens to combine seamlessly with other members of ourpoint source family.
- A true asymmetric wallwash is perfect when a high uniformity is needed to blend with ceiling lighting.
- Use an asymmetric wallwash to achieve optimal spacing and uniformity.

Model
Lumencore Recessed Nano
Output
1300lm
Distribution
True asymmetric wallwash
Spacing
3 ft
Setback
2.5ft
Wall height
9ft
Max./Min.
3.1:1
CU
47.1



Setback
1:4 ratio

On Center
1.5x setback

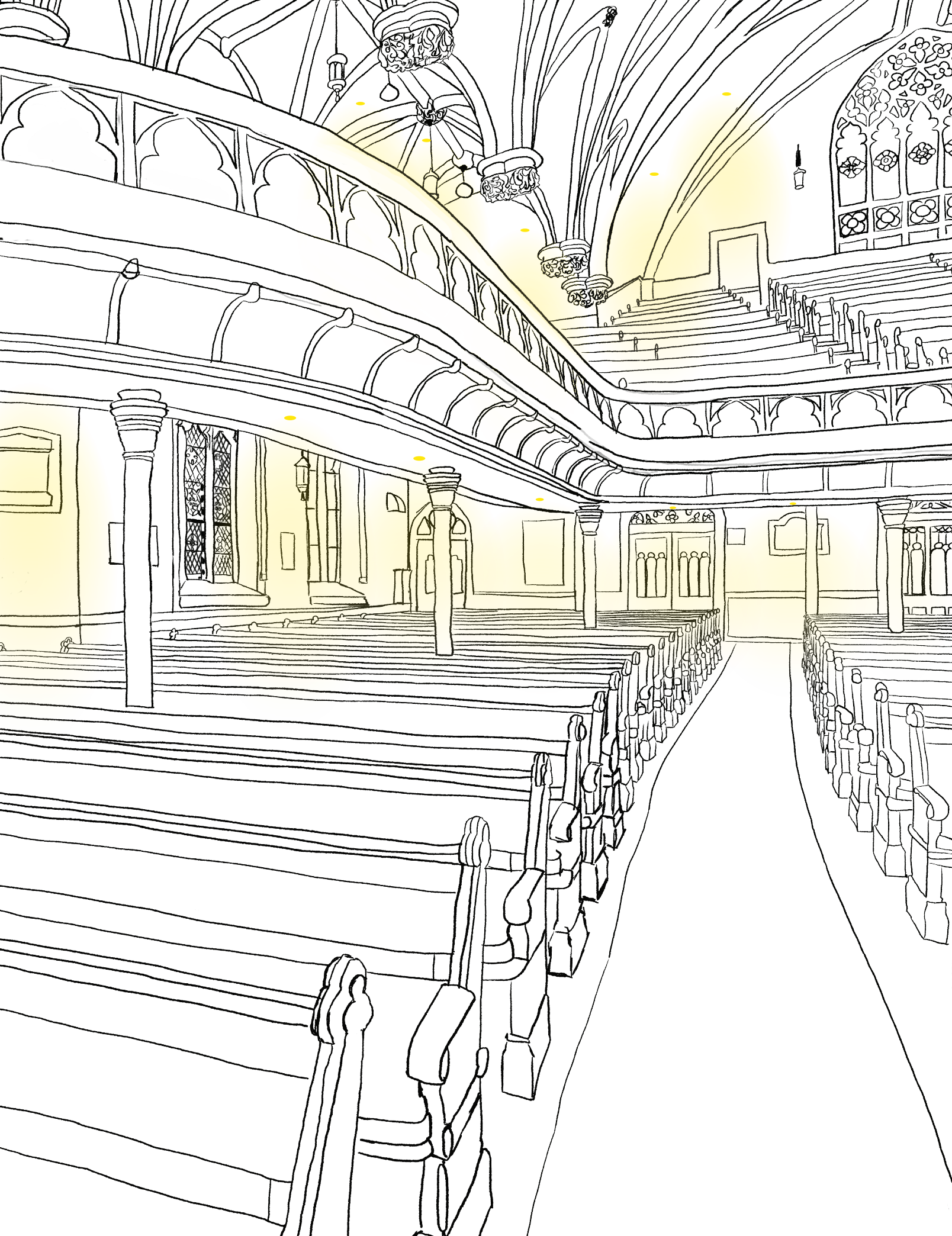


Accent Wallwash

- Use a tilt luminaire with a lateral beam optical lens to achieve an accent wallwash output.
- Accent wallwash offers a softer edge when grouped with other wall lighting.
- Use an accent wallwash for the optimal coefficient of utilization on the targeted surface.

Model
Lumencore Recessed Nano
Output
1300lm
Distribution
Accent wallwash
Spacing
3 ft
Setback
2.5ft
Wall height
9ft
Max./Min.
5.7:1
CU
61.3



**Model**

Lumencore Recessed Small

Output

3000lm

Distribution

60°

Ambient Lighting

A foundational element in many designs, ambient lighting serves to influence the overall response to a space. When used in places of worship, ambient light is integral in creating comfort while simultaneously ensuring safety of movement for the congregation, readers, performers, and visitors.

Places of worship are multi-use spaces that are often involved in a number of activities, from tourism to weddings. Similarly, ambient lighting is used in several applications, from theaters to classrooms.

Application Tips

- Create an even uniformity to ensure easy reading of worship materials.
- Use wider beam distributions.
- Individually control zones to create focus.

Model
Lumencore Recessed Small

Output
3000lm
Distribution
40°



**Model**

Lumencore Recessed Nano

Output

1300lm

Distribution

15°

Speciality Lighting

Spaces such as museums and galleries often require specialty lighting that is highly adaptable to changing displays, is controls agnostic, and is flexible enough to provide a multitude of options.

Applications that benefit from flexible specialty lighting include niche galleries in office buildings and public spaces, municipal displays, museums, and galleries.

Application Tips

- Use field-changeable optics that allow for quick and easy changes.
- Choose beam widening lenses to support changing displays.
- Use a 40° tilt to keep light where it is needed most.
- Choose a consistent 90 CRI throughout the space to ensure color quality.

Model

Lumencore Recessed Nano

Output

1300lm

Distribution

15° with Widening Lens



**Model**

Lumencore Recessed Small

Output

2000lm

Distribution

15°

Model

Lumencore Track M3 Spot

Output

2000lm

Distribution

15°

Focused Lighting

A well lit retail space invites and welcomes customers. Focused or task lighting highlights specialized areas, such as change rooms and tills, and is a tool to draw customers to displays. Much the same as specialized lighting in museums and galleries, retail lighting needs to be highly adaptable with field-changeable accessories.

Application Tips

- Choose an unvarying color consistency across an entire space to create a unified, professional look and feel.
- Use high-output, small fixtures that meet light level requirements while also keeping the focus on the products.
- Use field-changeable lenses to adapt to each season's trends.

**Model**

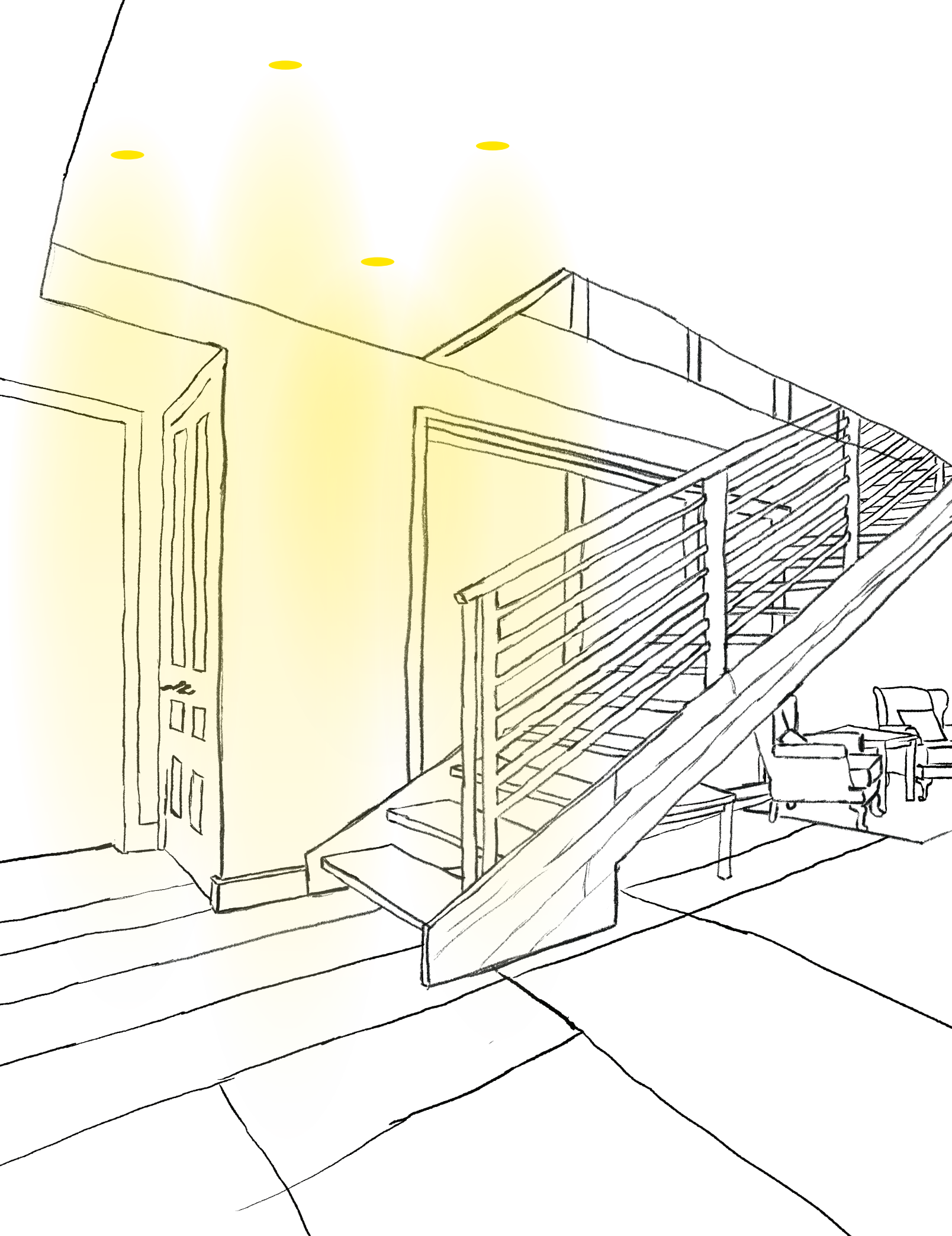
Lumencore Recessed Small

Output

3000lm

Distribution

25°



Model

Lumencore Recessed Nano

Output

1300lm

Distribution

25°

Residential Lighting

Creating a welcoming and adaptable lighting scheme for high-end residential spaces often requires luminaires that are control agnostic. It requires luminaires that are flexible with versatile accessories that also possess as unique an aesthetic as the homeowners themselves.

Related applications, such as hotels, short-term rentals, spas, and some medical facilities require the comfort of similarly thoughtful lighting.

Application Tips

- Use luminaires with a choice of bezel finishes to match a number of styles, designs, and tastes.
- Choose flexible luminaires with changeable accessories to add an element of future proofing to a home's lighting system.
- Use small fixtures with significant outputs to keep a house feeling like a home.

Model
Lumencore Recessed Nano

Output

3000lm

Distribution

40°





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