lumenpulse™

lumencore

Opticolor+™

LIFE IS BEAUTIFUL
IN ALL ITS COLORS

lumencore

Opticolor+™

Lumencore Cylinder Opticolor+ Small Surface Mount,
Narrow Spot 15°

Premium White

Dynamic Whites

Dynamic RGBW

Premium White
- High CRI (Up to 95+)
- Selectable Color Temperatures
- High Outputs
  (Over 1600 lm delivered, white channel only)

Dynamic Whites
- User-Defined Warm Dimming
- Tunable Between 2200K and 6500K

Dynamic RGBW
- Vibrant, Rich Colors and Saturation
- High Color Output
- Adjustable White Channel CCTs

The Ultimate Three-In-One Solution

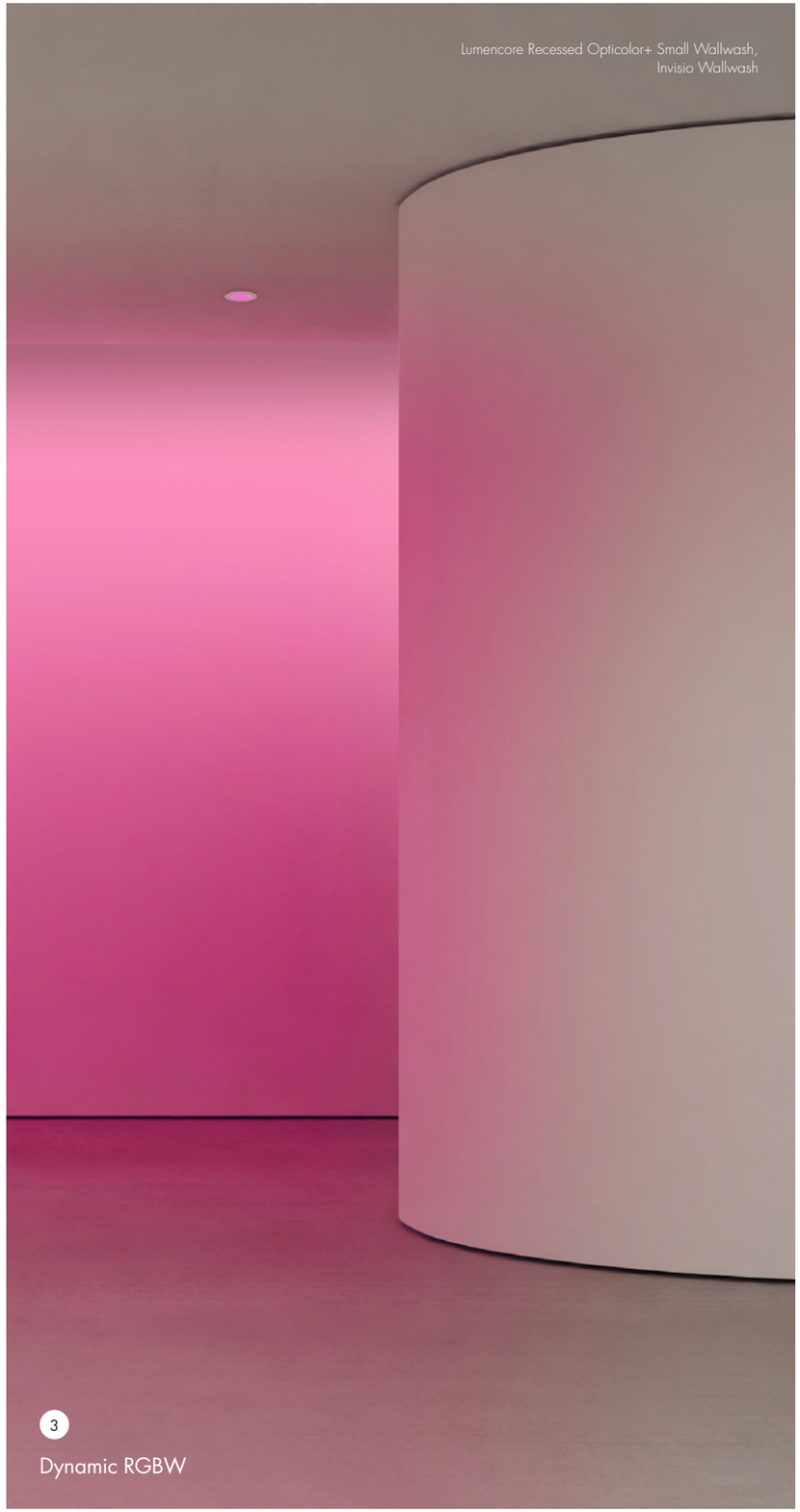
Lumencore Opticolor+ delivers Premium White, Dynamic White with Dim-to-Warm, and full RGBW—combining flexibility and performance with Lumenpulse's renowned quality of light and precision.

1

Premium White

2

Dynamic Whites



Lumencore Recessed Opticolor+ Small Wallwash,
Invisio Wallwash

3

Dynamic RGBW

Naturally Dynamic

Dynamic light, inspired by the ever-changing patterns of nature, brings spaces to life with its evolving, dramatic, and poetic qualities. It mimics the natural progression of daylight, from the soft hues of dawn to the vibrant brilliance of midday and the warm tones of sunset, creating a living light that enhances our environments. Embracing the essence of nature, dynamic light fosters a deep connection to the world around us, turning static environments into vibrant, responsive sanctuaries that resonate with the rhythms of life.

THIS FLUIDITY IN LIGHTING TRANSFORMS ORDINARY SPACES INTO EXTRAORDINARY EXPERIENCES, MAKING EVERY MOMENT UNIQUE AND ENGAGING.

Lumencore Recessed Opticolor+ Small Wallwash, Invisio Wallwash
Lumencore Recessed Opticolor+ Small Downlight, Wide 60°

In Tune with the Day

Lumencore luminaires with Opticolor+ offer dynamic colors, tunable whites, and a wide range of CCTs—all from a single fixture. This versatility delivers high-quality light customized to suit every moment, from crisp, cool tones for focused tasks to soft, warm light for winding down. After hours, let your space come alive with vibrant colors that reflect your brand or mark special occasions.

opticolor+™

Opticolor+ combines advanced color management and proprietary optics to redefine what's possible in performance and flexibility.

Game-Changing Benefits

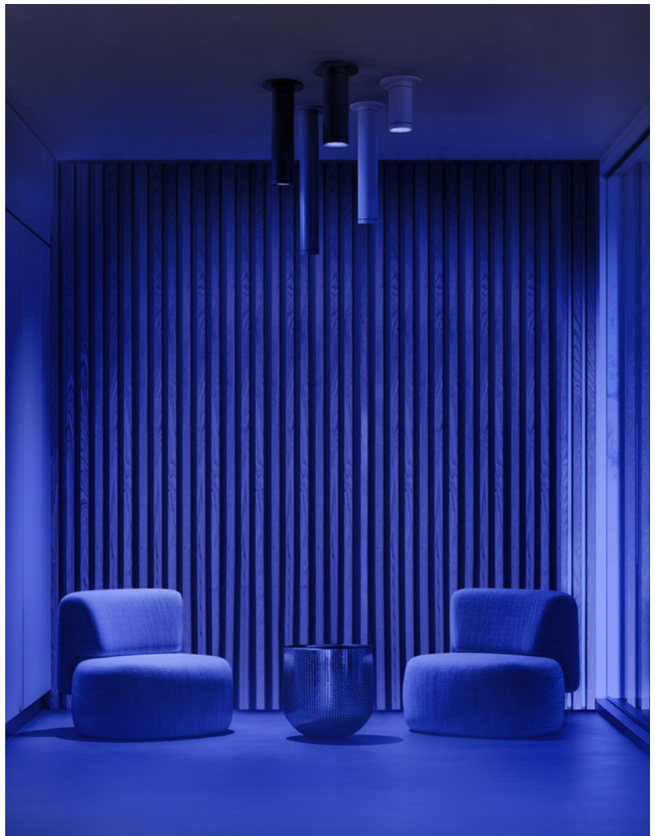
- **Vivid Color Output**
  Experience bold, saturated colors powered by Optidrive™ technology.

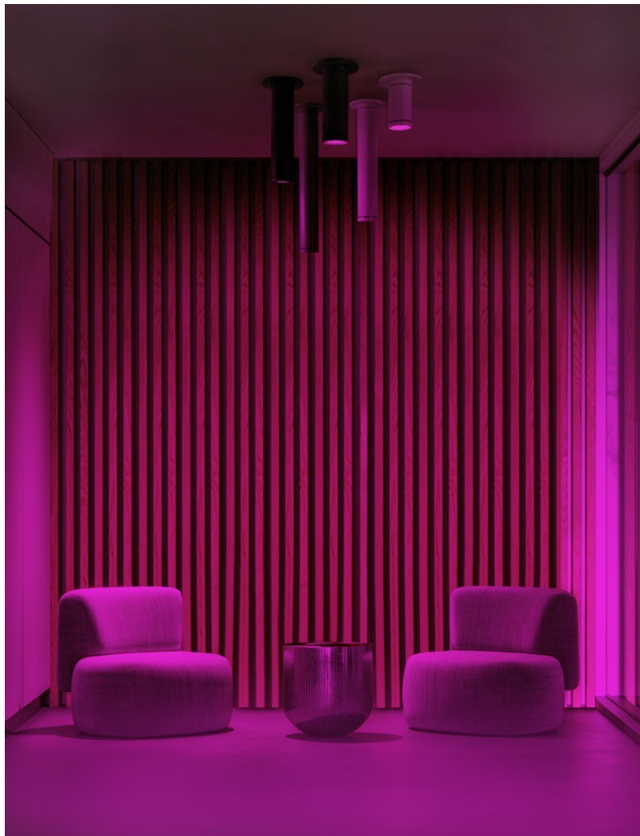
- **Uniform Consistency**
  Maintain flawless color matching across fixtures with intelligent color management.

- **Brilliant White Light**
  Maximize output on the white channel for clean, high-performance illumination.

- **Custom Warm Dimming**
  Tailor warm dimming curves with user-selectable color temperature endpoints.

- **Flexible White Tuning**
  Choose any white CCT in RGBW mode, unrestricted by LED board limitations.





Unified by Opticolor+

Bring cohesion to your design with Lumencore Cylinders and Recessed luminaires. Two architectural forms, one unified performance. Whether surface-mounted or seamlessly integrated, both families share the same Opticolor+ technology, optics, and color consistency, ensuring a harmonious lighting experience across every ceiling plane.

Lumencore Recessed Opticolor+ Small Wallwash, Invisio Wallwash
Lumencore Cylinder Opticolor+ Small Pendant

Ceiling: Lumencore Recessed Opticolor+ Small Adjustable, Medium 40°
Counter: Lumencore Recessed Opticolor+ Nano Adjustable, Narrow 25°

Flexible Temperatures

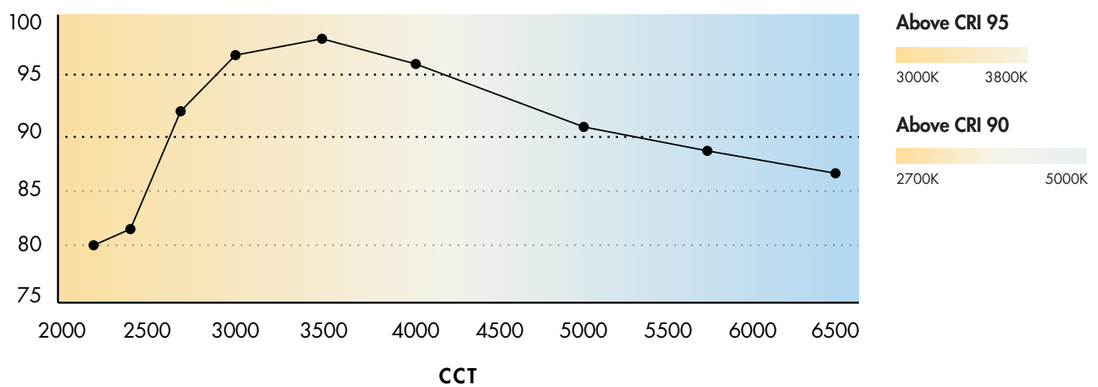
A designer's dream. Select any CCT and choose whether it remains static or dynamic. This flexibility allows you to tailor lighting for various tasks and moods, from bright, energizing light for productivity to warm, relaxing tones for unwinding. Perfect for creating dynamic and versatile environments that adapt to your needs.

Uncompromising Illumination

Opticolor+ ensures exceptional light quality with high CRI across all CCTs. Combined with low UGR, consistent color (SDCM), and excellent color over angle, it renders colors accurately and vividly, making spaces look natural and appealing. Whether you need warm, inviting tones or cool, energizing light, Opticolor+ delivers consistent, high-quality illumination.

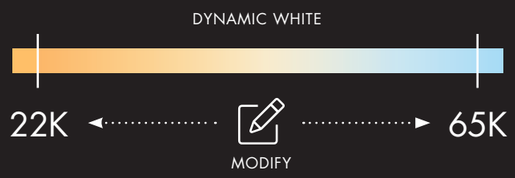
High CRI

From 2700 to 5000K



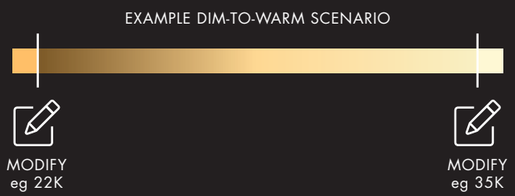
Dynamic White

Enhance your space with tunable CCTs, offering smooth transitions between cool, energizing tones and warm, relaxing hues. This flexibility ensures the perfect ambiance and functionality for any task or mood, enhancing visual comfort and adapting to various activities.



Tunable Dim-to-Warm

Elevate your space with Opticolor+'s intuitive, editable Dim-to-Warm feature, allowing customizable start and end points (e.g. dim from 4000K to 2700K or from 3000K to 2200K - you decide!)

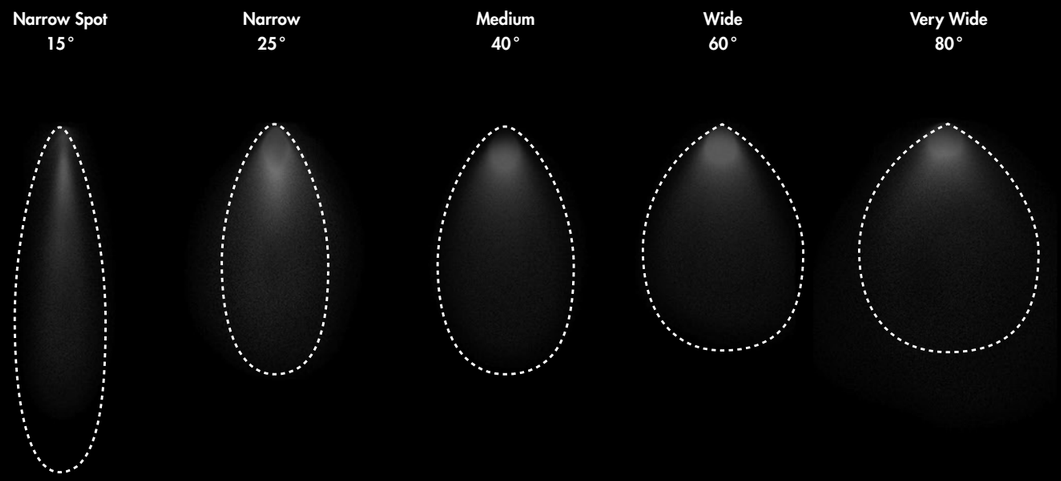


Select max CCT and min CCT during commissioning to fully customize your fixture.

Lumencore Recessed Opticolor+ Nano Downlight, Wide 60°

Color Changing

Our RGBW technology unlocks millions of calibrated hues, bringing boldness, richness, and seamless saturation to immersive environments like the one pictured here. Whether you're projecting brand identity, transforming event spaces, or painting architecture with light, Opticolor+ delivers flawless color blending and reliable consistency that turns heads and sets the mood.



Precision and Flexibility

Lumencore Opticolor+ luminaires offer precise beams for spotlighting, wide beams for downlighting, and wallwash options like Invisio for vibrant vertical illumination. Seamlessly blending into any space, they deliver light exactly where it's needed, minimizing waste and maximizing impact.

Up to 118 lm/W

*Only available with Lumencore Recessed.

Double Asymmetric Assembly

Double Asymmetric

Balanced Light. Double the Impact.

- Illuminates facing walls and floor simultaneously
- Ideal for corridors and passageways
- Available in 2¾″ and 4″ diameters
- Adds dynamic mood-setting with Opticolor+

Exceptional Brilliance

Opticolor+ fixtures deliver exceptional performance with vibrant white and color outputs, industry-leading candela values, and impressive lifetimes of 50,000 hours (L95). They guarantee color consistency, providing a low-glare, visually comfortable environment. These fixtures not only enhance occupant comfort but also offer long-lasting, energy-efficient lighting solutions.

Performance and Data	White 30K 96 CRI	White 40K 95 CRI	Red	Green	Blue	Full On
Wattage	34 W	34 W	28 W	32 W	24 W	34 W
Delivered Lumens	1671 lm	1745 lm	566 lm	1344 lm	291 lm	1691 lm

*Lumencore Recessed Opticolor+ Small Downlight, Wide Faceted Reflector 60°

Lumencore Recessed Opticolor+ Small Wallwash, Invisio Wallwash

Three Dimensions. One Masterpiece.

Opticolor+ brings together the best of all worlds, offering:

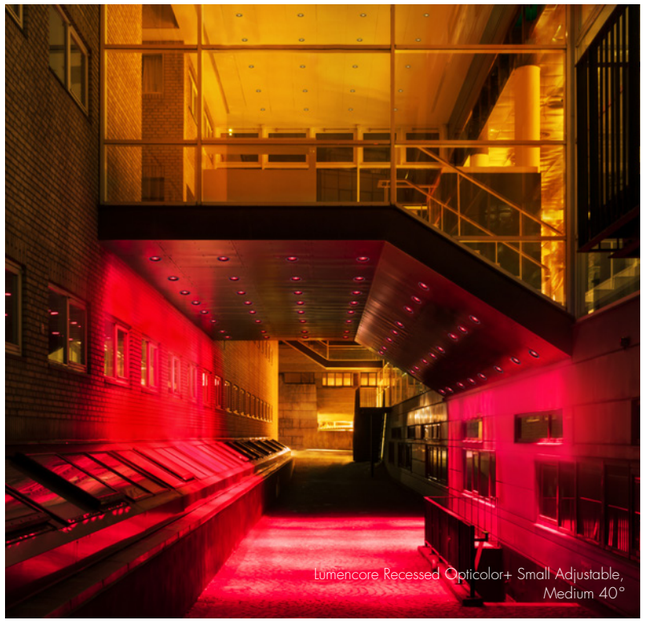
1. **Premium White Light:** Experience exceptional white light with high CRI up to 95+, superior output, and unmatched visual comfort.

2. **Tunable White Light:** Customize your color temperature and enjoy the warm dimming feature, which allows you to define how the light warms as it dims.

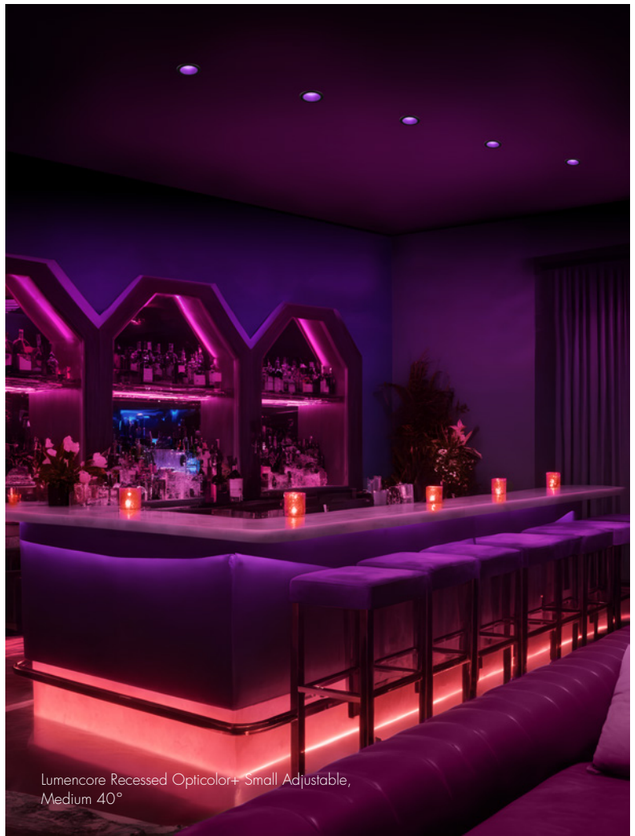
3. **Dynamic RGBW Color:** Benefit from rich, intense colors and the ability to adjust the color temperature of the white channel, providing flexibility previously constrained by physical LED limitations.

Lumencore Recessed Opticolor+ Small Adjustable, Narrow Spot 15°

Lumencore Recessed Opticolor+ Nano Downlight, Medium 40°
Lumencore Cylinder Opticolor+ Nano Pendant, Decorative Ring



Lumencore Recessed Opticolor+ Small Adjustable, Medium 40°

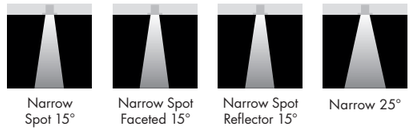


Lumencore Recessed Opticolor+ Small Adjustable, Medium 40°

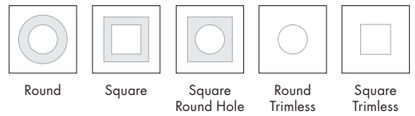
Unbelievable Versatility

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.

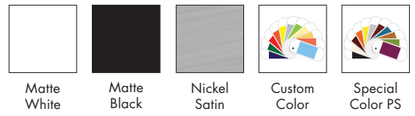
Optics



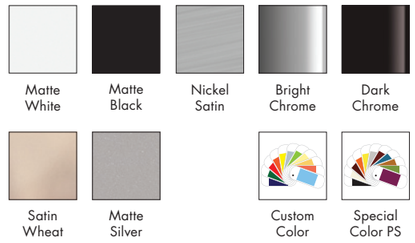
Trim Shapes



Trim Colors



Bezel Colors



NOTE: Some exceptions, consult Specification Sheets for details.

Sizes

Color & Color Temperature

opticolor+™

Color Rendering Option

A range of CRIs up to 95+

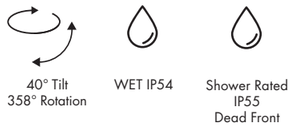
Outputs

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)

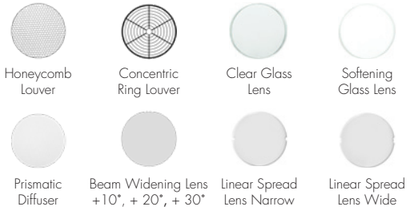
Options



Control Option

DMX/RDM

Lenses & Accessories



Certifications*

cULus RoHS CE

* To see CE certified product options, refer to Lumenpulse website, and change region setting to Europe.

Optics

Narrow Spot 15° | Narrow 25° | Narrow Faceted 25° | Narrow Reflector 25°

Medium Faceted 40° | Medium Reflector 40° | Wide Faceted 60° | Wide Reflector 60°

Very Wide Faceted 80° | Very Wide Reflector 80° | Double Asymmetric Wallwash | True Asymmetric Wallwash

Mountings

Surface Mount | Pendant Mount Flat Canopy | Pendant Mount Deep Canopy | Pendant Stem Mount Flat Canopy

Pendant Stem Mount Deep Canopy

Wall Mount

Finishes

Glossy Black | Matte Black | Matte Silver | Metalized Gray

Parget White | Glossy Green | Matte Green | Glossy White

Glossy Ivory | Glossy Yellow | Glossy Red | Italian Brick Red

Concrete Gray | Matte White | Matte Brown | Glossy Violet

Matte Blue | Matte Orange | Custom Color

Sizes

Nano | Small | Medium

Lengths

6 in | 9 in | 13 in | 18 in | 23 in

Color Temperature

opticolor+™

Color Rendering Option

A range of CRIs up to 95+

Outputs

700lm | 1000lm | 1300lm | 2000lm

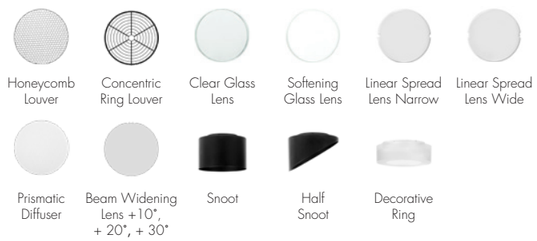
Installation Types

- **RM** Remodel Non-Insulated Ceiling
- **NC** New Construction Non-Insulated Ceiling
- **SMD** Surface Mount Driver

Control Option

DMX/RDM

Lenses & Accessories



Honeycomb Louver | Concentric Ring Louver | Clear Glass Lens | Softening Glass Lens | Linear Spread Lens Narrow | Linear Spread Lens Wide

Prismatic Diffuser | Beam Widening Lens +10°, + 20°, + 30° | Snoot | Half Snoot | Decorative Ring

Certifications*

cULus | RoHS | CE

* To see CE certified product options, refer to Lumenpulse website, and change region setting to Europe.

NOTE: Some exceptions, consult Specification Sheets for details.

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Cylinders Opticolor+™

Transform your lighting projects with Opticolor+, the revolutionary technology that redefines what a luminaire can achieve. Designed to address common challenges in RGBW lighting, Opticolor+ offers unparalleled performance and flexibility, making it the perfect choice for both dynamic and high-quality white lighting needs.

Lumencore Recessed Opticolor+ Nano Wallwash, Invisio Wallwash
Lumencore Recessed Opticolor+ Nano Downlight, Wide 60°

Adaptable Programming: Use Cases

→ **I want a fixture that has a static white for 90% of its use, but can change color for special events:**

› RGBW Basic: RGBW+ (4 Channel) or RGB+ (3 Channel)
Select your white CCT in the field.

→ **I want a fixture that can change color for special events but can Dim-to-Warm for evening white light applications:**

› RGBW DTW: RGBW+ (4 Channel) or RGB+ (3 Channel)
Select your high CCT and low CCT in the field for the Dim-to-Warm curve.

→ **I want a fixture that can change color for special events but can move between white CCT's to mimic daylight:**

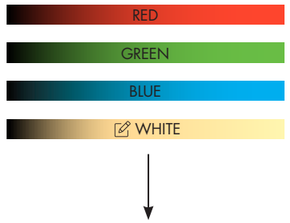
› RGBW Dynamic: RGBWK (5 Channel) or RGBK (4 Channel)
Select your high CCT and low CCT in the field using a dedicated channel of control.

Adaptable Programming

With advanced programmability, Lumenpulse luminaires offer unparalleled control over your lighting environment. Customize settings for different times of day, activities, or events, and easily adjust lighting scenes to suit changing needs. These features enhance the user experience and contribute to energy savings and operational efficiency.

RGBW+ (4 CHANNEL)

When operating in 4-Channel RGBW+ mode, you can select the White CCT with RDM during commissioning.



If different max CCT and min CCT values have been selected in commissioning, the fixture can now be a Dim-to-Warm fixture too.

Dim-to-Warm is automatically activated if RGB color channels are lowered to zero.

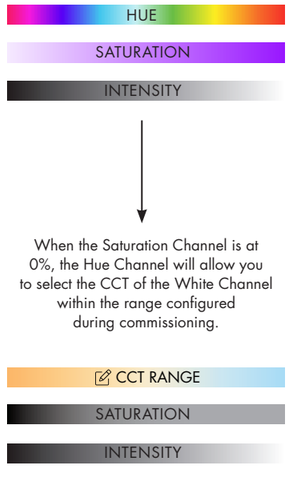
Item is set via RDM during commissioning.

RGBWK (5 CHANNEL)

In 5-Channel RGBWK+ mode the 5th channel will allow you to select the CCT of the White Channel within the range configured during commissioning.

HSI+ (3 CHANNEL)

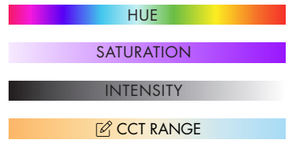
In 3-Channel HSI+ mode, Hue, Saturation and Intensity are controlled individually.



When the Saturation Channel is at 0%, the Hue Channel will allow you to select the CCT of the White Channel within the range configured during commissioning.

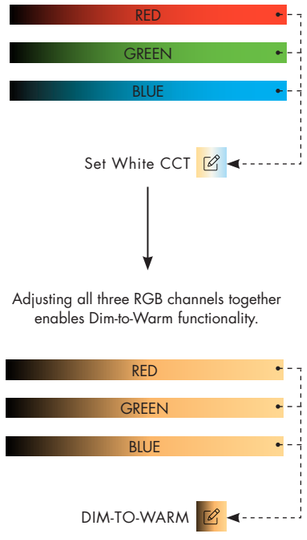
HSIW (4 CHANNEL)

Hue, Saturation, and Intensity with a 4th channel that allow you to select the CCT of the White Channel within the range configured during commissioning.



RGB+ (3 CHANNEL)

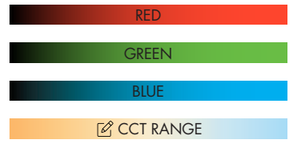
3-channel control of Red, Green, and Blue, using intelligent additive mixing to produce consistent, high-quality white.



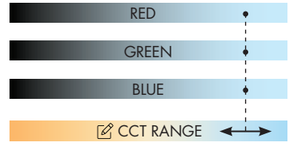
Adjusting all three RGB channels together enables Dim-to-Warm functionality.

RGBK (4 CHANNEL)

3-channel control of Red, Green, and Blue with intelligent additive mixing for high-quality white, plus a dedicated 4th channel to select the CCT of the White Channel within the range configured during commissioning.



Adjusting all three RGB channels together enables dimming of the selected CCT.



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2025 / 10
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