Portfolio

Performance LED

4-inch & 6-inch
- General Illumination
- Precision High Center Beam Optics

Portfolio

architectural recessed downlighting

The specifier's choice for architectural downlighting

Enabling complete application design with a comprehensive line of products that provide the highest quality of light to maximize comfort in architectural spaces.

Superlative optical control provides exceptional illumination with excellent glare control and low aperture brightness. The recessed downlights are available in multiple lumen packages, color temperatures and a variety of finishes. Standard 0-10V driver dims to 1% and a multitude of optional drivers are available. Creating the perfect atmosphere is easy with these low glare downlights that offer a variety of color control and connected options.

Layers
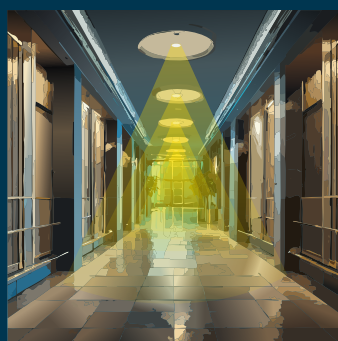## of Light

LD General

LD Precision

Portfolio LD General Distribution delivers a consistent, broad-angle overall lighting across both vertical and horizontal surfaces, resulting in a seamless illumination that is free from any uneven bright spots or rings.

Portfolio LD Precision Distribution offers a focused and intense illumination with narrow beam angles that produce striking contrasts, sharp highlights, and deep shadows. This creates a dramatic layer of light that is both captivating and mesmerizing.

Ambient Lighting

Task Lighting

Wall Washing

Accent Lighting

Images generated under license using Adobe Firefly.

Lighting throughout an area which produces general illumination. The appropriate Portfolio downlights are available to provide patterns of light distribution for this purpose. These units direct light in specific patterns to illuminate areas without drawing attention to the fixtures themselves.

Lighting directed to a specific area to perform a specific task. Use Portfolio downlights with narrow beam patterns and high illumination levels. The combination of task and ambient lighting should provide a level of ambient lighting that is lower than the task yet is designed so the ambient complements the task lighting. Here luminance ratio should be considered. Luminance ratio is the measure of task or accent to surrounding ambient lighting.

Lighting of vertical surfaces defines form, space and texture. It can visually increase the apparent size of a room while improving visual comfort. Portfolio has skillfully engineered fixtures designed to direct a spread of illumination on these surfaces. Portfolio downlights may be selected based on the size of the space, the level of illumination and intensity desired, energy efficiency and controllability.

Directional lighting used to focus attention on a particular object or surface. Its intensity levels vary according to ambient illumination levels. Higher ambient levels require higher accent illumination to provide the necessary contrast (luminance ratio). This requires adjustable fixtures which can deliver higher illumination levels and precise beam distributions. Portfolio adjustable downlights are often used in accent lighting and offer the range of intensities and beam spreads necessary for controlled quality lighting.
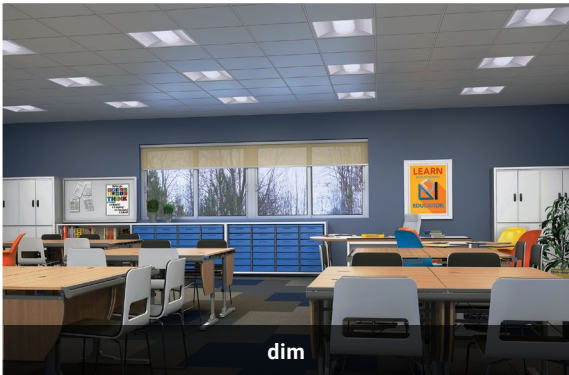
VividTune
color tuning solutions

Tunable White

Fine Tuning of Light

Whether you're looking to optimize productivity or simply add dramatic flair, VividTune's tunable white technology allows you to adjust the color temperature from warm white to cool white, creating an environment that fosters productivity and concentration.
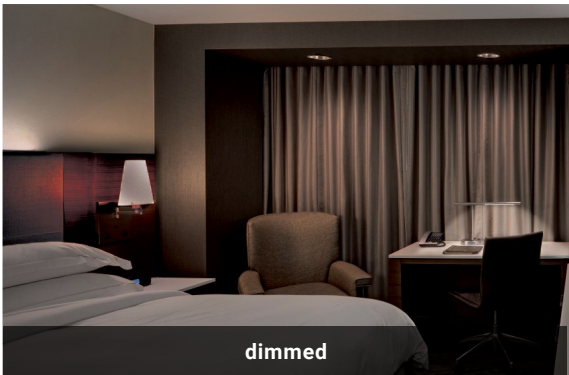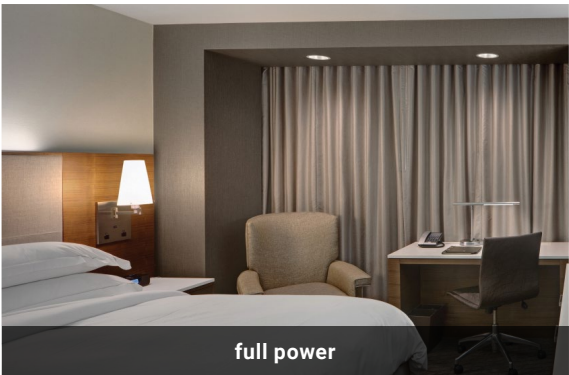

dim

bright

light intensity

D2W™

D2W™ Dim-to-Warm Solution

Bring the warm, dim glow reminiscent of traditional incandescent and halogen sources into your space, for a fraction of the energy consumption, with our dim-to-warm solution.

dimmed

full power

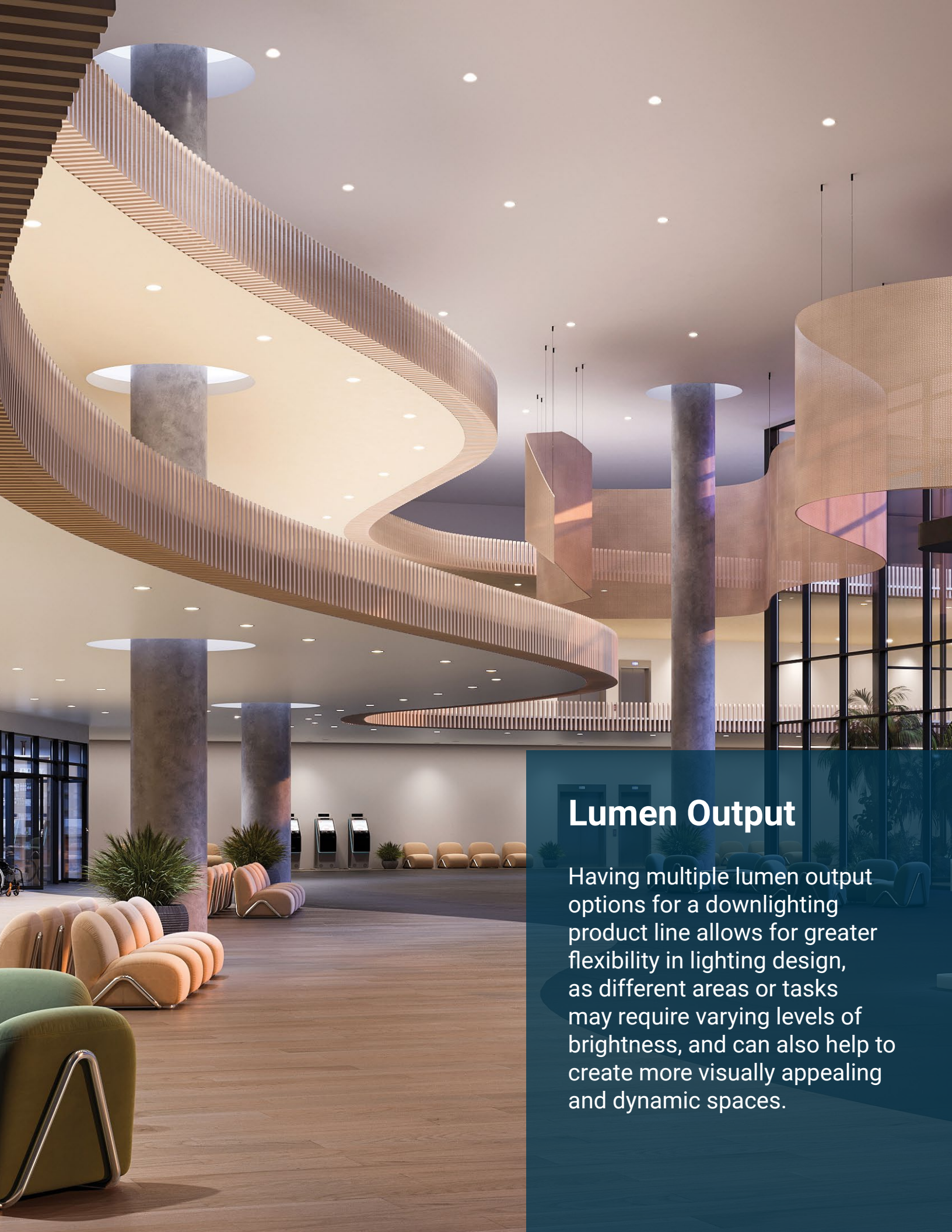**dim-to-warm**

BioUp
Melanopic Lighting

The Importance of Light on Performance

Light has a visual impact (see better), an emotional impact (feel better), and a biological impact (function better).

Spectrally Enhanced Tunable and Static White
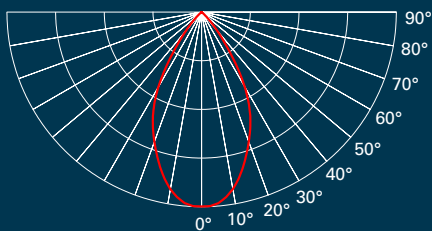
Lumen Output

Having multiple lumen output options for a downlighting product line allows for greater flexibility in lighting design, as different areas or tasks may require varying levels of brightness, and can also help to create more visually appealing and dynamic spaces.
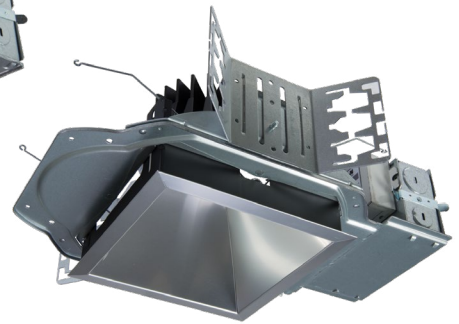
General Light

LD GENERAL

Portfolio LD General Distribution delivers a consistent, broad-angle overall lighting across both vertical and horizontal surfaces, resulting in a seamless illumination that is free from any uneven bright spots or rings.
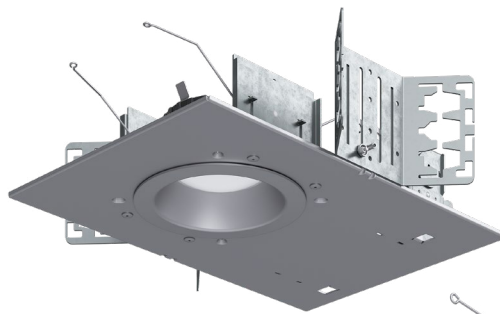

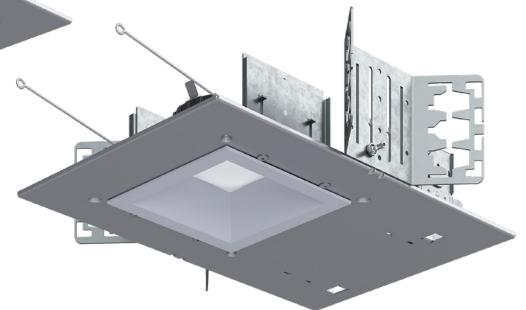## LD4C / LD6C

Standard height
new construction

LDSQ4C / LDSQ6C

Standard height
new construction

LDS4C / LDS6C

Shallow height
new construction

LDSSQ4C / LDSSQ6C

Shallow height
new construction

LDRT4C / LDRT6C

Install from below/retrofit

4-inch & 6-inch General Illumination
Downlight & Wall Wash

Thermally Optimized

The integrated LED design provides quality thermal conductivity of the LED to the die cast thermal assembly ensuring optimal thermal management and maximum efficacy.

Superior LED

Portfolio's advanced LED system contains proximity phosphors over chip-on-board LEDs, providing a uniform source with high efficiency and no pixelation. It is available in 90 CRI minimum, with R9 greater than 50 and color accuracy within 2 SDCM, providing both color accuracy and uniformity.

Reflector System

Reflectors are designed to provide aesthetically pleasing performance and comfort with a highly reflective upper reflector combined with transmissive transitional lenses that diffuse source brightness and evenly distribute light. They are available in all of Portfolio's standard finishes.

Scan to Learn More

Product Certifications & Features

ENERGY STAR · RoHS COMPLIANT · UL CERTIFIED · CHICAGO PLENUM APPROVED · wet location · D2W™ · powered by fifthlight technology · VividTune color tuning solutions

- Available lumens
  - 4" = 250 – 7500 lumens
  - 6" = 250 – 15,000 lumens
- 90, 97 & 98 CRI
- 2400, 2700, 3000, 3500, 4000, & 5000 CCT
- Dim to warm and tunable white

- 8 driver options
- Multitude of reflector options
- Available remote and plug in driver for ease of maintenance
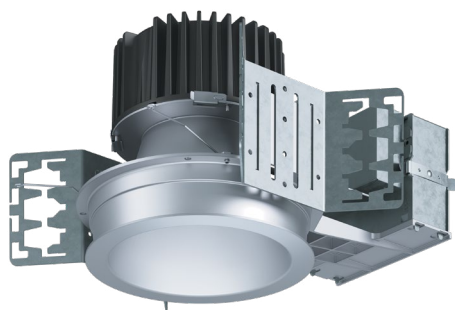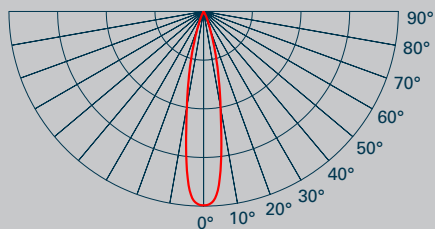- Integral or remote battery back up
- Emergency transfer device

LD4D / LD6D

Standard height
new construction

LDSQ4D / LDSQ6D

Standard height
new construction
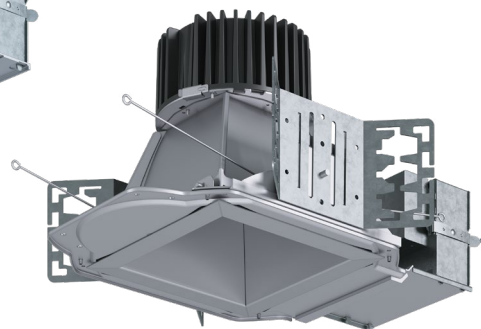
Accent Light

LD PRECISION

Portfolio LD Precision Distribution offers a focused and intense illumination with narrow beam angles that produce striking contrasts, sharp highlights, and deep shadows. This creates a dramatic layer of light that is both captivating and mesmerizing.
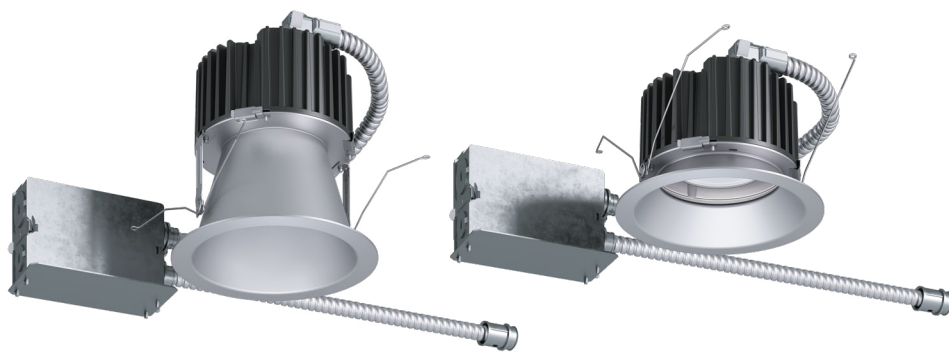

LDRT4D / LDRT6D

Install from below/retrofit

4-inch & 6-inch High Center Beam Candlepower
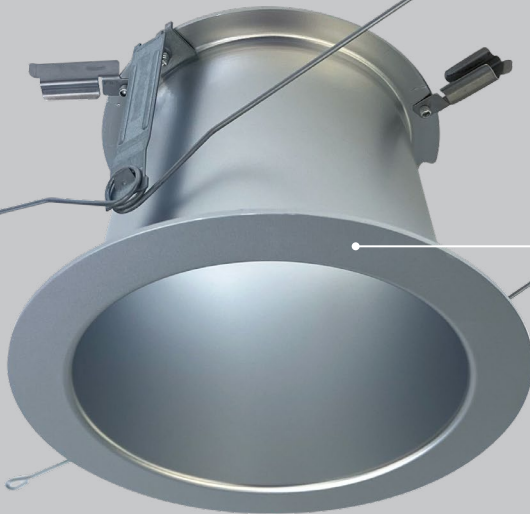## Downlight

Thermally Optimized

The integrated LED design provides quality thermal conductivity of the LED to the die cast thermal assembly ensuring optimal thermal management and maximum efficacy.

Precision Optics

Precision silicone optics provide smooth high center beam intensity with a tight field angle and are field interchangeable providing the ultimate design flexibility. Beam options of 6°, 8° and 10-70° in 5° increments for designs where precision and versatility are important.
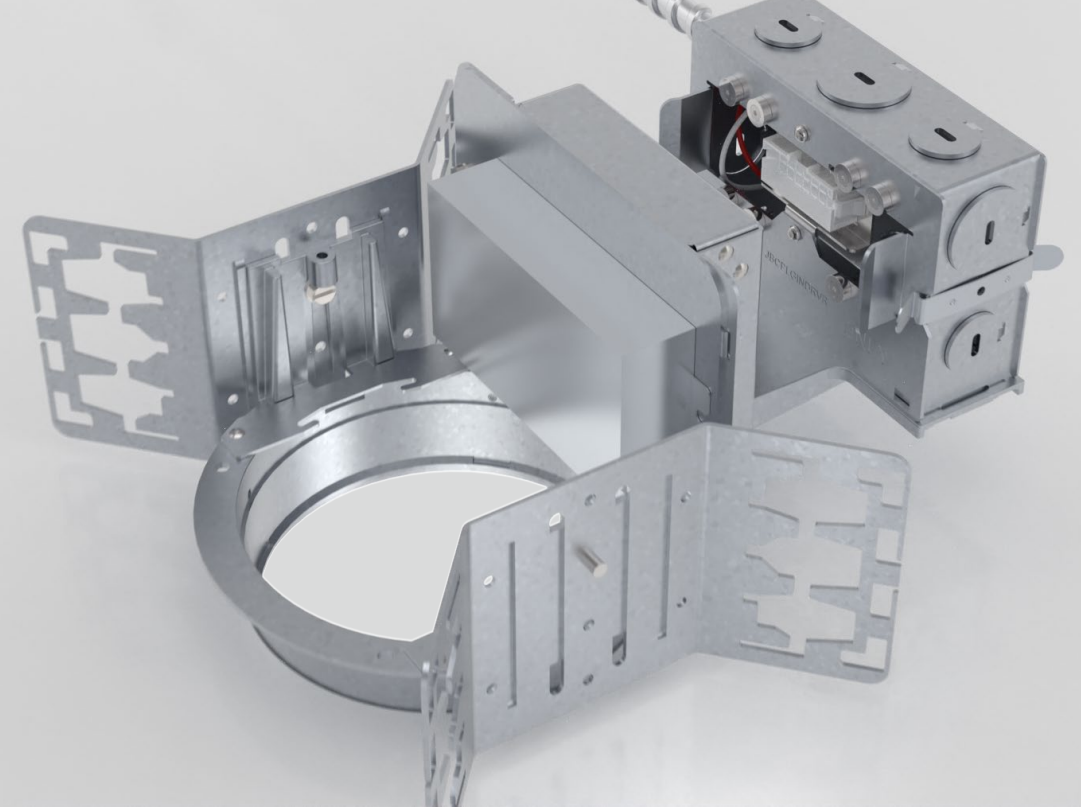
Visual Comfort

Reflectors are designed to provide aesthetically pleasing performance with equal cut-off to source and source image, and are available in all of Portfolio's standard finishes.

Product Certifications & Features

ENERGY STAR · RoHS COMPLIANT · UL CERTIFIED · CHICAGO PLENUM APPROVED · wet location · D2W · powered by fifthlight technology · VividTune color tuning solutions · BioUp Melanopic Lighting

- Available lumens
  - 4" = 250 – 9500 lumens
  - 6" = 250 – 9500 lumens
- 90, 97 & 98 CRI
- 2400, 2700, 3000, 3500, 4000, & 5000 CCT
- Dim to warm and tunable white

- 8 driver options
- Shallow and deep reflector options
- Available remote and plug in driver for ease of maintenance
- Integral or remote battery back up
- Emergency transfer device

Plug-in Driver

Plug in driver with magnetic snap in attachment method eases replacement in hard ceilings.
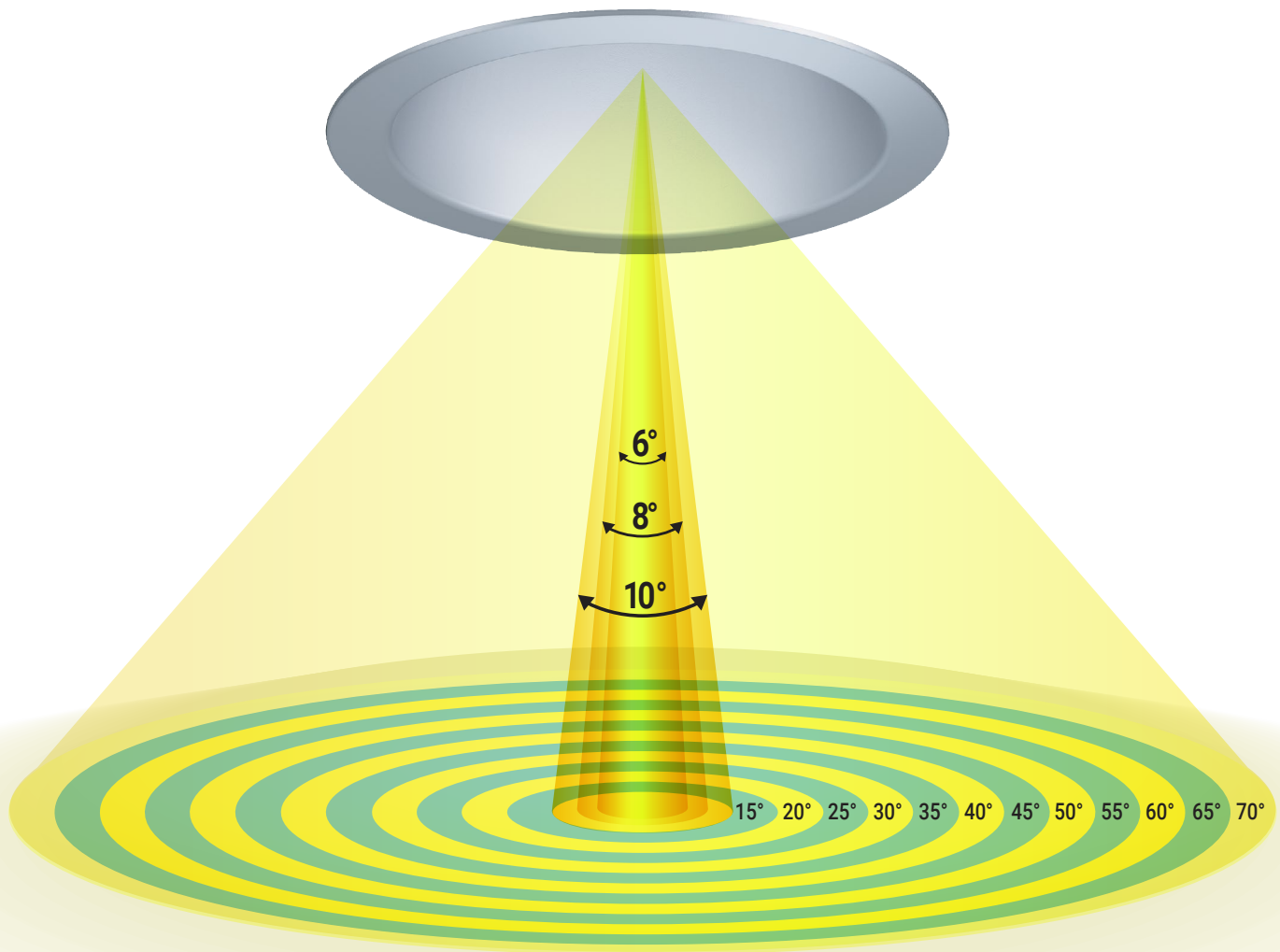

Scan to Learn More

Rotatable Lens Wall Wash

Rotatable lens allows for precise illumination on vertical surfaces.
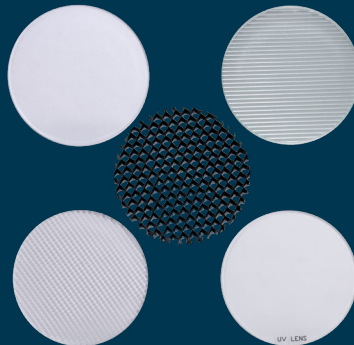

Scan to Learn More

6°

8°

10°

15° 20° 25° 30° 35° 40° 45° 50° 55° 60° 65° 70°

Optics

Precision optics in 6°, 8° and in 5° increments from 10°-70°

Precision Optical Elements

- Primary optics are field interchangeable and lock into place with a twist
- Excellent optical efficiency with no stray lumens
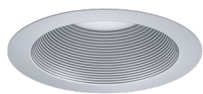- Integral lens holder accepts up to (2) 2"diameter 3.0mm thick color filters or lens

color filters

lenses

Trims

BA
Spun Aluminum Baffle

HY
Hyperbolic Medium Beam

M
50° Cutoff,
Medium Beam Reflector

MD
45° Cutoff,
Medium Beam Reflector

N
Narrow

W
Wide

CS
Cast Shallow

S
Shallow

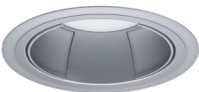**DP**
45° Cutoff Downlight

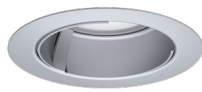**PS**
Shallow Non-Conductive

SWN
Single Wall Wash

DWN
Double Wall Wash
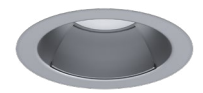
CW
Corner Wall Wash

LDWW
Lensed Double Wall Wash
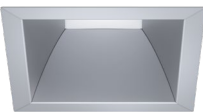
LSWW
Lensed Single Wall Wash
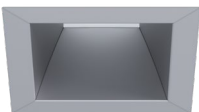
MDSW
45° Cutoff,
Single Wall Wash
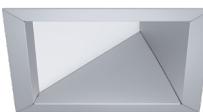
MDDW
45° Cutoff,
Double Wall Wash

SQ
Square

SQW
Square Wide

CSSQ
Cast Shallow Square

SQLWW
Square Lensed Wall Wash

PSSQ
Shallow Square
Non-Conductive

Reflector finishes

LI
Specular

H
Semi Specular Clear

WMH
Warm Haze

WH
Wheat

GPH
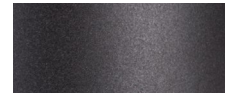Graphite Haze

B
Specular Black

Painted finishes

MW
Matte White

MB
Matte Black

MMS
Matte Metallic Silver

Reflector options

Round - General Illumination

• Narrow spun aluminum
• Medium spun aluminum with 45° or 50° cutoff
• Wide spun aluminum
• Medium beam hyperbolic
• Non-conductive shallow
• Die cast shallow
• Single, double, and corner open wall wash
• Single and double open wall wash with 45° cutoff
• Single and double lensed wall wash

Round - Precision Optics

• Deep cone with 45° cutoff
• Spun aluminum shallow
• Die cast shallow

Square - General Illumination

• Medium adonized aluminum with 45° or 50° cutoff
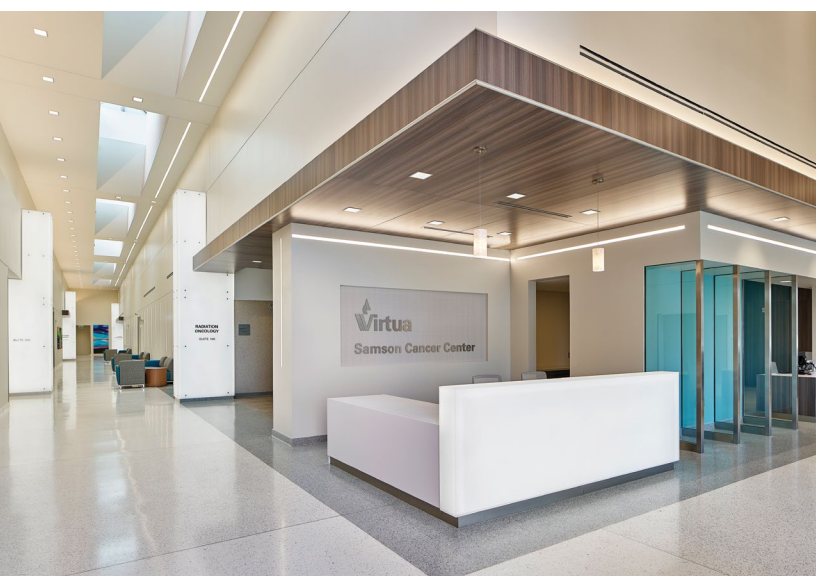• Die cast shallow
• Lensed wall wash

Square - Precision Optics

• Deep cone with 45° cutoff
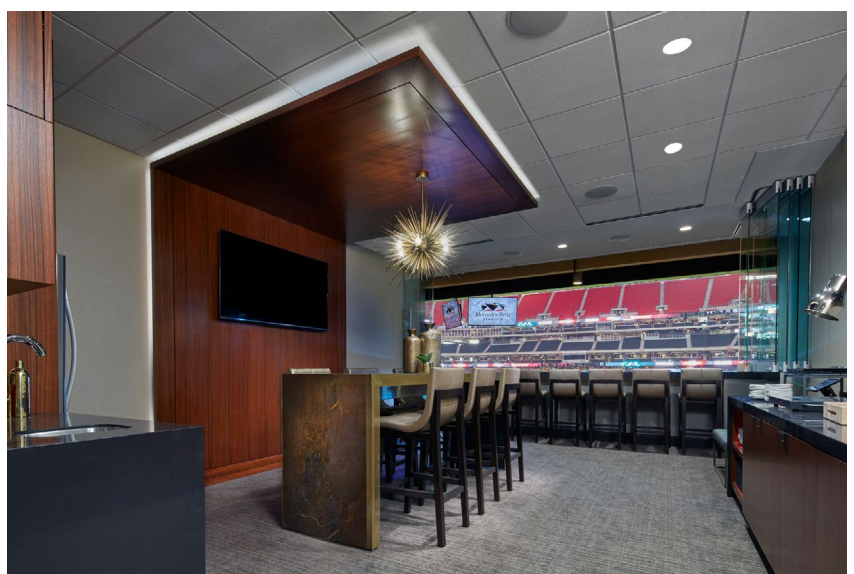• Die cast shallow

Virtua Samson Cancer Center

Corporate Office
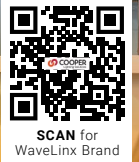
Scott D McDonald © Gray City Studios

Mercedes Benz Stadium

WaveLinx
Digital Lighting Control Solutions

SCAN for WaveLinx Brand

SIMPLE. SCALABLE. INSIGHTFUL.

WaveLinx LITE

WaveLinx LITE is a cost effective, wireless digital lighting control system, with out-of-the-box functionality, that saves energy and meets code. Customize installations using the secure, simple WaveLinx mobile app.

SCAN for WaveLinx LITE

WaveLinx PRO

WaveLinx PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinx PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinx CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience using a desktop or mobile app.

SCAN for WaveLinx PRO

LITE Tilemount Sensor

The WLST tilemount sensor kit provides occupancy/vacancy sensing and daylight dimming capabilities as part of the innovative WaveLinx Bluetooth enabled system.

LITE Node

The WaveLinx LITE Node (OEM-WLN) is a wireless to 0-10V control module designed to be integrated into the luminaire. The LITE Node offers two continuous 0-10V output channels that can be used to control dim-to-off 0-10V LED drivers with auxiliary power.

PRO Tilemount Sensor

The WPST tilemount sensor kit provides occupancy/vacancy sensing and daylight dimming capabilities as part of the innovative WaveLinx Bluetooth enabled system.

PRO Node

The WaveLinx PRO Node (OEM-WPN) is a wireless to 0-10V control module designed to be integrated into the luminaire. The adapter offers two continuous 0-10V output channels that can be used to control dim-to-off 0-10V LED drivers with auxiliary power.
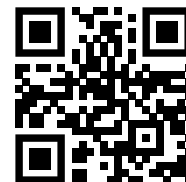
Lighting Brands
Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
iO
Iris
Lumark
LumarkAP
Lumière
McGraw-Edison
Metalux
MWS
NeoRay
Portfolio
PrentaLux - 3D Printed Lighting
RSA
Shaper
Streetworks
Sure-Lites

Controls Brands
Greengate
Fifth Light
Intelligent Lighting Controls

Connected Lighting Systems and Smart Spaces Platform
WaveLinx
Trellix Infrastructure

SCAN
for more
Portfolio
information

COOPER
Lighting Solutions
a (S)ignify business