Be seen in the best light

Comprehensive 2019 Lighting Catalog
Lightolier is a global market leader widely recognized for its innovative LED lighting solutions with an unmatched commitment to technology leadership, reliability, visual appeal and high performance. Now, we have made it even easier for you to choose the right lighting solution without investing considerable time or compromising your expectations. This means that you can confidently identify and implement the lighting solution to best suit your needs. This Lightolier LED comprehensive product offering provides you with a quick and easy way to select both downlighting and track lighting solutions that complement every lighting application.
Downlight luminaires
Specification-grade

Decorative elements
Specification-grade

Track luminaires
Specification-grade
Performance-grade
Value-grade
Budget-grade

Comprehensive Introduction
Contents
A journey through lighting

- History
  - Through the years

- Applications
  - Retail, hospitality, residential, commercial

- Making your lighting selection
  - Downlighting, Decorative lighting and Track lighting

- Downlight luminaires
  - Specification downlight, wall wash, accent

  - Calculite 4"
    - round & square aperture

  - Calculite 6"
    - round & square aperture

  - Calculite 7"
    - round aperture

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    - round aperture

  - LyteCaster
    - round apertures

  - LyteCaster Adjustable
    - round apertures

  - LyteCaster Accent
    - round & square aperture

  - SlimSurface
    - round & square aperture

  - CorePro LED
    - round aperture
Driven by inspiration in architectural designs, Lightolier began over 120 years ago. In its early days the company specialized in decorative chandeliers, then made a shift to the high-end design and architectural markets. With its unmatched commitment to innovation and continuous market leadership, sixty years ago, Lightolier recognized the need for downlighting and track lighting product portfolio, taking the next step in defining the lighting industry.

As advancements in lighting technologies continue to transform, downlighting is no exception. In fact, downlighting was one of the first lighting applications to commercially embrace LED, with its long lifetimes, robust efficiency, sustainability and low energy cost. With the introduction of the Calculite LED 4’ 1000 lm in 2009, this product ultimately became recognized as product innovation of the year, setting up the whole new standards for the modern downlighting industry. Over the years, the Lightolier LED downlighting portfolio has expanded, while representing the apex of industry leading flexibility, functionality and quality.
The track story of Lightolier began over fifty years ago with the introduction of Lytespan, a forward-thinking product line featuring track luminaires called Lytespots that could be individually moved and adjusted anywhere on the track pole. In 1957, Lightolier recognized the market need for more efficient and advanced overhead lighting, so this product was adapted for ceiling applications. Originally intended for commercial use in museums and retail, Lytespan track lighting was soon in homes across America as people realized the flexibility that track offered to adapt lighting quickly to their needs.

No matter how advanced the track luminaire technology has become over years, Lightolier makes a commitment to its customers to maintain compatibility and flexibility with any new product released with its track systems.

With its unmatched commitment to customers and continuous innovation, our LED lighting solutions continues to represent visual appeal while maintaining energy efficiency, maximum light performance and rated lifetime, so you can get the most out of indoor environments.
Applications
Effective uses of light

Office
Calculite LED downlighting and cylinders

Single Family Residential
LED Flat Downlight, Retrofit Downlight, Surface Mount

Multi-family Residential
Flat Downlight, Retrofit Downlight, Surface Mount downlighting

Hotels
SlimSurface LED 10” downlighting

Restaurants
LyteCaster LED and LyteCaster LED accent downlighting
Assisted Living Facilities
SlimSurface LED and LyteCaster LED downlighting

Auditoriums
Calculite LED downlighting and Alcyon LED track lighting (high ceiling applications)

Healthcare
Calculite LED and LyteProfile LED downlighting

Retail
Calculite LED downlighting and OmniSpot recessed multiple

Comprehensive Applications
## Downlight Luminaires

**Making your selection**

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<th>Micro 1.75&quot;</th>
<th>Evolution 3&quot;</th>
<th>Adj. Accent 4&quot;</th>
<th>Calculite 4&quot;</th>
<th>Calculite 6&quot;</th>
<th>Calculite 7&quot;</th>
<th>Cylinder 4&quot; / 6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trims</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Styles</strong></td>
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<td>3°</td>
<td>4°</td>
<td>4°</td>
<td>6&quot;</td>
<td>7&quot;</td>
<td>4° &amp; 6&quot;</td>
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<tr>
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<td>Polished Flangeless</td>
<td>Polished Flangeless</td>
<td>Polished Flangeless</td>
<td>Polished Flangeless</td>
<td>Polished Flangeless</td>
<td>Cylinder finishes: Aluminum White* &amp; Black*</td>
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<tr>
<td><strong>Apertures</strong></td>
<td>Comfort clear diffuse Champagne bronze White* &amp; Black*</td>
<td>Satin Aluminum Specular clear</td>
<td>Comfort clear diffuse Champagne bronze White* &amp; Black*</td>
<td>Specular clear Comfort clear diffuse Champagne bronze White* &amp; Black*</td>
<td>Specular clear Comfort clear diffuse Champagne bronze White* &amp; Black*</td>
<td>Specular clear Comfort clear diffuse Champagne bronze White* &amp; Black*</td>
<td>Specular clear Comfort clear diffuse Champagne bronze Black*</td>
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<tr>
<td><strong>Reflectors</strong></td>
<td>—</td>
<td>Fresnel Spot</td>
<td>Spot Narrow Flood</td>
<td>Flood</td>
<td>Downlight (narrow)</td>
<td>Downlight (narrow)</td>
<td>Downlight (narrow)</td>
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<tr>
<td><strong>Beams</strong></td>
<td>26° to 51° (4 options) 12° to 30° (6 options) 11° to 29° (4 options)</td>
<td>43° to 76° (6 options)</td>
<td>38° to 72° (6 options)</td>
<td>40° to 72° (3 options)</td>
<td>40° to 76° (6 options)</td>
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### Performance

<table>
<thead>
<tr>
<th>Applications</th>
<th>Commercial, Architectural and High-end residential</th>
<th>Commercial, Architectural and High-end residential</th>
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<tr>
<td>Luminaries</td>
<td>1000, 1500, 2000, 2500, 3000</td>
<td>1000, 1500, 2000, 2500, 3000, 4800, 6000</td>
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<tr>
<td>Watts</td>
<td>2700, 3000, 3500, 4000</td>
<td>2700, 3000, 3500, 4000</td>
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<tr>
<td>CRI</td>
<td>80, 90</td>
<td>80, 90</td>
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<tr>
<td>Efficacy</td>
<td>up to 85lm/W</td>
<td>up to 115lm/W</td>
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<tr>
<td>CCTs (K)</td>
<td>2500, 3000, 3500, 4000</td>
<td>2500, 3000, 3500, 4000</td>
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<tr>
<td>Lifetime</td>
<td>50,000 hrs (L90)</td>
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### Technology

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<tr>
<th>Dimming</th>
<th>0-10V, ELV</th>
<th>0-10V, ELV, Lutron</th>
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<tr>
<td>Emergency</td>
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<td>—</td>
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<tr>
<td>Accessories</td>
<td>Mud-in ring, Mounting Pan</td>
<td>Mud-in ring, Diffusion films</td>
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<tr>
<td>Installations</td>
<td>New Construction, Retrofit</td>
<td>New Construction, Retrofit, Retrofit, Retrofit Chicago Plenum, Wet locations</td>
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<td>cULus listed, IC &amp; Title 24 rated, AirSeal IC rated, ENERGY STAR®</td>
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<tr>
<td>Warranty</td>
<td>5-year limited</td>
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* White is a painted matte finish and Black is a painted gloss finish.
<table>
<thead>
<tr>
<th>Performance-grade</th>
<th>Value-grade</th>
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<tbody>
<tr>
<td><strong>LyteProfile</strong></td>
<td><strong>EasyLyte</strong></td>
</tr>
<tr>
<td><strong>LyteCaster</strong></td>
<td><strong>Accent</strong></td>
</tr>
<tr>
<td><strong>SlimSurface</strong></td>
<td><strong>CorePro LED</strong></td>
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### Trims

<table>
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<th>4&quot;, 6&quot;</th>
<th>4&quot;, 6&quot;</th>
<th>4&quot;, 6&quot;</th>
<th>4&quot;, 6&quot;</th>
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</thead>
<tbody>
<tr>
<td>Flanges</td>
<td>Polished White* &amp; Black*</td>
<td>White*</td>
<td>Matches Aperture</td>
<td>Matches Aperture</td>
<td>Matches Aperture</td>
<td>Matches Aperture</td>
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<td>Comfort diffuse</td>
<td>Clear diffuse</td>
<td>Aluminum White* &amp; Black*</td>
<td>Aluminum White* &amp; Black*</td>
<td>White*</td>
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<td>Comfort clear</td>
<td>Dark Bronze</td>
<td>White*</td>
<td>Chrome</td>
<td>Diffuse</td>
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<tr>
<td>Refectors</td>
<td>—</td>
<td>Open Step baffle</td>
<td>Open Step baffle</td>
<td>Downlight Baffle Adjustable</td>
<td>Baffle Adjustable</td>
<td>Downlight</td>
</tr>
<tr>
<td></td>
<td>Downlight</td>
<td>Lensed Wall Wash</td>
<td>Downlight Baffle Adjustable</td>
<td>Downlight Adjustable</td>
<td>Adjustable Pinhole</td>
<td>Downlight</td>
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<td>Lensed Wall Wash</td>
<td>Downlight</td>
<td>Baffle Adjustable</td>
<td>Baffle Adjustable Pinhole Lensed Wall Wash Gimbal Shower Light</td>
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### Performance

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<td>80, 90</td>
<td>80, 90</td>
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<td>80,000 hrs (L70)</td>
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### Technology

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<td>New Construction Wet locations</td>
<td>Wet locations</td>
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<td>Wet locations</td>
<td>CrispWhite Wet locations</td>
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**Warranty**:

- 5-year limited

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**Labels**:

- cULus listed, Title 24 rated
- ENERGY STAR®
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<th>Retrofit downlight</th>
<th>Flat downlight</th>
<th>Mini Downlight &amp; Mini Gimbal</th>
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<tr>
<td><strong>Trims</strong></td>
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<tr>
<td>Styles</td>
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<td>Matches Aperture</td>
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<td>White*</td>
<td>White*</td>
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<td>Downlight</td>
<td>Downlight Gimbal</td>
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<tr>
<td>Beams</td>
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<tr>
<td><strong>Performance</strong></td>
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<tr>
<td>Applications</td>
<td></td>
<td></td>
<td>Residential and Hospitality</td>
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<td>900, 1400</td>
<td>700, 900</td>
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<td>12-18W</td>
<td>12-15W</td>
<td>8W</td>
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<td>Efficacy</td>
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<td>up to 60 lm/W</td>
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<td>CRIs</td>
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<td>ELV, TRIAC</td>
<td>ELV, TRIAC</td>
<td>TRIAC</td>
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### Decorative elements

#### Making your selection

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<thead>
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<th>Specification-grade</th>
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<tbody>
<tr>
<td>Micro Vetro 1.75”</td>
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<table>
<thead>
<tr>
<th>Features</th>
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</thead>
<tbody>
<tr>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td>Frosted glass and satin aluminum</td>
</tr>
<tr>
<td><strong>Apertures</strong></td>
</tr>
<tr>
<td>Frosted glass / transparent glass element and satin aluminum accents</td>
</tr>
<tr>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td>Commercial, Architectural and High-end residential</td>
</tr>
<tr>
<td><strong>Installations</strong></td>
</tr>
<tr>
<td>New Construction, Remodel, Retrofit, Chicago Plenum, Damp locations</td>
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</table>

#### Vetro PM pendant

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
<td><strong>Styles</strong></td>
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<tr>
<td>Suspended Pendant</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
</tr>
<tr>
<td>Frosted glass and satin aluminum</td>
</tr>
<tr>
<td><strong>Apertures</strong></td>
</tr>
<tr>
<td>Frosted glass / transparent glass element and satin aluminum accents</td>
</tr>
<tr>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td>Commercial, Architectural and High-end residential</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
</tr>
<tr>
<td>Dimming 0-10V</td>
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<tr>
<td>Accessories</td>
</tr>
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<td>10ft Cable / Cord kit, Stem kit, Track mount kit, Surface mount kit</td>
</tr>
<tr>
<td><strong>Installations</strong></td>
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<td>New Construction, Damp location</td>
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</table>

For more information on the complete Lightolier product offering visit [www.philips.com/lightolier](http://www.philips.com/lightolier) or contact your local Philips representative.
## Track luminaires

Making your selection

### Specification-grade

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<tr>
<th>Features</th>
<th>Alcyon vertical</th>
<th>Alcyon recessed multiple</th>
<th>Alcyon horizontal</th>
<th>OmniSpot</th>
<th>OmniSpot recessed multiple</th>
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<tbody>
<tr>
<td><strong>Finishes</strong></td>
<td>Aluminum White* &amp; Black*</td>
<td>White* &amp; Black*</td>
<td>Aluminum White* &amp; Black*</td>
<td>Aluminum White* &amp; Black*</td>
<td>Aluminum White* &amp; Black*</td>
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<tr>
<td><strong>Adapters</strong></td>
<td>Lightolier Halo Prospec Juno</td>
<td>–</td>
<td>–</td>
<td>Lightolier Halo Prospec Juno</td>
<td>–</td>
</tr>
<tr>
<td><strong>Optics</strong></td>
<td>Interchangeable</td>
<td>Interchangeable</td>
<td>Interchangeable</td>
<td>Interchangeable</td>
<td>Interchangeable</td>
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<tr>
<td><strong>Reflectors</strong></td>
<td>Narrow Spot Spot Narrow Flood Flood</td>
<td>Narrow Spot Spot Narrow Flood Flood</td>
<td>Spot Narrow Flood Flood</td>
<td>Narrow Spot Spot Narrow Flood Flood</td>
<td>Narrow Spot Spot Narrow Flood Flood</td>
</tr>
<tr>
<td><strong>Beams</strong></td>
<td>10° to 36° (4 options)</td>
<td>10° to 36° (4 options)</td>
<td>13° to 28° (3 options)</td>
<td>11° to 36° (4 options)</td>
<td>11° to 36° (4 options)</td>
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### Performance

<table>
<thead>
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<th>Applications</th>
<th>Commercial, Architectural, Hospitality, Retail and High-end residential</th>
<th>Commercial, Architectural, Hospitality, Retail and High-end residential</th>
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<td>600, 1000</td>
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<td>Watts</td>
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<td>10-30W</td>
<td>15W</td>
<td>6-25W</td>
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<td>Efficacy</td>
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<td>up to 60 lm/W</td>
<td>up to 78 lm/W</td>
<td>up to 108 lm/W</td>
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<tr>
<td>CCTs (K)</td>
<td>2700, 3000, 4000</td>
<td>2700, 3000, 4000</td>
<td>2700, 3000, 3500, 4000</td>
<td>2700, 3000, 3500, 4000</td>
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<tr>
<td>CRIs</td>
<td>80, 90</td>
<td>80, 85</td>
<td>80, 90</td>
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<td>80, 90</td>
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<td>CBP</td>
<td>Up to 46,000 cd</td>
<td>Up to 14,400 cd</td>
<td>Up to 11,700 cd</td>
<td>Up to 30,000 cd</td>
<td>Up to 8,700 cd</td>
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<td>Lifetime</td>
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### Technology

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<td>Accessory holder Snot Diffusion filters/films</td>
<td>Accessory holder Snot Diffusion filters/films</td>
<td>Accessory holder Snot Diffusion filters/films</td>
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</table>

For more information on the complete Lightolier product offering visit [www.philips.com/lightolier](http://www.philips.com/lightolier) or contact your local Philips representative.

* White is a painted matte finish and Black is a painted gloss finish.
<table>
<thead>
<tr>
<th>Features</th>
<th>Performance-grade</th>
<th>Value-grade</th>
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<tbody>
<tr>
<td><strong>Spot LED</strong></td>
<td><strong>LightFlood</strong></td>
<td><strong>Gimbal LED</strong></td>
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<td><strong>Features</strong></td>
<td>Aluminum White &amp; Black*</td>
<td>Aluminum White &amp; Black*</td>
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<tr>
<td><strong>Adapters</strong></td>
<td>Lightolier</td>
<td>GES</td>
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<td><strong>Optics</strong></td>
<td>Integrated</td>
<td>Integrated</td>
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<td><strong>Reflectors</strong></td>
<td>Spot Narrow Flood Flood</td>
<td>Spot Narrow Flood Flood</td>
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<tr>
<td><strong>Beams</strong></td>
<td>8° to 40° (3 options)</td>
<td>9° to 32° (3 options)</td>
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<td><strong>Applications</strong></td>
<td>Commercial, Hospitality and Retail</td>
<td>Commercial, Hospitality and Retail</td>
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<tr>
<td><strong>Lumens</strong></td>
<td>600, 1000, 2000, 3000</td>
<td>1000, 1600</td>
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<td><strong>Watts</strong></td>
<td>10-39W</td>
<td>13-22W</td>
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<td><strong>CCTs (K)</strong></td>
<td>2700, 3000, 4000</td>
<td>2700, 3000, 4000</td>
</tr>
<tr>
<td><strong>CRI</strong></td>
<td>80, 85</td>
<td>80</td>
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<tr>
<td><strong>CBCP</strong></td>
<td>Up to 70,000cd</td>
<td>Up to 28,000cd</td>
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<tr>
<td><strong>Lifetime</strong></td>
<td>54,000hrs (L70)</td>
<td>50,000hrs (L70)</td>
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<tr>
<td><strong>Technology</strong></td>
<td><strong>Dimming</strong></td>
<td><strong>Mounting</strong></td>
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<td>Consult factory</td>
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<td>ELV, TRIAC</td>
<td>Track</td>
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<td>Recessed</td>
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<td></td>
<td>–</td>
<td>Track</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Accessory holder</td>
</tr>
</tbody>
</table>

For more information on the complete Lightolier product offering visit [www.philips.com/lightolier](http://www.philips.com/lightolier) or contact your local Philips representative.
Downlight luminaires

Always moving forward

Lightolier, driven by inspiration in architectural designs, began over 120 years ago and in 1952 launched the Calculite product line which became the designers’ choice for professional-grade downlighting. Calculite LED entered the market in 2009 and provided new opportunities in product design and development. The Calculite family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

Today, Calculite LED continues to represent visual appeal and efficient performance, allowing you to maximizing the impact of light and to get the most out of indoor environments.
The Calculite difference
round & square apertures pg. 16

Calculite 1.75" Micro
round & square apertures pg. 18

Calculite 3" Evolution
round apertures pg. 20

Calculite 4" Adj. accent
round apertures pg. 22

Calculite generation 3 family
round & square apertures pg. 24

Calculite 4" Tunable white
round & square apertures pg. 28

Calculite 4" Retrofit
round & square apertures pg. 26

Calculite 4" AirSeal
round & square apertures pg. 30

Calculite 6"
round & square apertures pg. 29

Calculite 6" Tunable white
round & square apertures pg. 34

Calculite 6" Retrofit
round & square apertures pg. 35

Calculite 6" AirSeal
round & square apertures pg. 36

Calculite 7"
round apertures pg. 38

Calculite 7" Retrofit
round apertures pg. 41

Calculite 4" / 6" Cylinder
round & square apertures pg. 42
Visual comfort

Cutoff angles are not always what they seem, which can affect your overall design and comfort. Lightolier measures true downlight cutoff angles at the downlight's widest bright point to ensure maximum luminaire efficacy and comfort for those in the space. Substandard manufacturers measure to the light source, which reduces performance levels and creates uncomfortable glare.

Quality of light

Calculite’s soft beam transitions provide consistent visual comfort, exceptional optical control, and extraordinary mechanical precision. Calculite delivers a true 50° physical and 45° reflected cutoff for reduced aperture brightness and an unobtrusive ceiling presence.

Performance

Calculite LED feature an LED array of high brightness white light LEDs. The LED boards in Calculite LED luminaires ensure a less than 2-step SDCM color variation between luminaires.
Architectural appeal

Vetro decorative elements provide simple forms that can be used creatively to meet your design needs and elegant luminaries that are encased glass. This European hand blown glass works to provide the richest and smoothest accent of light to your design space. These decorative elements provide a practical lighting tool in a sophisticated envelope. Vetro’s refined design provides a fresh aesthetic to meet your architectural needs.

Efficient installation

Lightolier extends downlight excellence through a simplified installation process, with no requirements for specialized tools with installation. The Calculite LED unique three-part system of frame, driver/light engine, and reflector (multiple patents pending) allows you to get the installation started sooner while providing highly configurable solutions to showcase your unique lighting vision.

Future proof

With a fully upgradeable architecture, Calculite LED modular downlights may be conveniently serviced and upgraded at any time without having to access the ceiling.
Calculite 1.75” Micro round & square apertures


Calculite LED 1.75” Micro beam spread options for the standard trims are 25°, 30°, 45° and 50°. Downlights feature 50° and 75° cutoffs and the wall wash option features an integral lens. Micro Vetro decorative elements are optimized for 25° beams.

Features
- Sizes: 1.75”
- Efficacy: up to 85 lm/W
- Lumens: 900
- Wattage: 14W
- Voltage: 120V & 120/277V
- CCT: 2700K-4000K
- CRI: 90 min.
- Dimming: 0-10V, ELV
- 90,700 hour rated life (L90)

Frame / Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumens</th>
<th>Style</th>
<th>CCT/CRI</th>
<th>Installation</th>
<th>Voltage / Dimming</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2L Calculite 1.75-inch round</td>
<td>09 900lm</td>
<td>DL Flanged</td>
<td>927K 2700K / 90CRI</td>
<td>R Installs from below</td>
<td>E1 120V / NA</td>
</tr>
<tr>
<td>C2L Calculite 1.75-inch square</td>
<td>09 900lm</td>
<td>LW Lensed wall wash¹</td>
<td>935K 3500K / 90CRI</td>
<td></td>
<td>UZ10V Universal / 0-10V</td>
</tr>
<tr>
<td>C2XL Calculite 1.75-inch square</td>
<td>09 900lm</td>
<td>LW Lensed wall wash¹</td>
<td>940K 4000K / 90CRI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Style</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2L Calculite 1.75-inch round</td>
<td>DL Downlight (50° cutoff)</td>
<td>CCD Comfort clear diffuser</td>
<td>P Polished¹</td>
</tr>
<tr>
<td></td>
<td>DL Downlight (50° cutoff with linear spread lens)</td>
<td>CCZ Champagne bronze</td>
<td>FT Flangeless⁵</td>
</tr>
<tr>
<td></td>
<td>LW Lensed wall wash¹</td>
<td>BK Black (matte)¹</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LW Lensed wall wash¹</td>
<td>WH White (matte)¹</td>
<td></td>
</tr>
<tr>
<td>C2XL Calculite 1.75-inch square</td>
<td>DL Downlight (50° cutoff)</td>
<td>BK Black (matte)¹</td>
<td>P Polished¹</td>
</tr>
<tr>
<td></td>
<td>LW Lensed wall wash¹</td>
<td>WH White (matte)¹</td>
<td>FT Flangeless⁵</td>
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Micro Vetro

<table>
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<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
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</thead>
<tbody>
<tr>
<td>D Decorative elements</td>
<td>2L 1.75-inch aperture</td>
<td>R01 Round acrylic w/alum. insert</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R02 Round acrylic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R03 Round glass</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S01 Square acrylic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S02 Square glass</td>
</tr>
</tbody>
</table>

Accessories³

- C2LIC IC frame (new construction)
- C2LMP New construction mounting pan
- CA2FMR Round aperture flush-mount mud-in ring
- CA2XFMR Square aperture flush-mount mud-in ring

¹ The 25° beam spread is recommended (A).
² Requires flush-mount mud-in ring (CA2FMR or CA2XFMR).
³ Recommended for specific applications, see C2L spec sheet for details.
Note: Calculite LED 1.75” Micro 400lm is also available (see C2L04 spec sheet for details).
Add detail and style to any space with Calculite LED 1.75” aperture downlights and optional Micro Vetro elements.

**Square acrylic**
D2LS01 Micro Vetro decorative element

**Square glass**
D2LS02 Micro Vetro decorative element

**Round acrylic**
D2LR01 Micro Vetro decorative element with aluminum insert

**Round acrylic**
D2LR02 Micro Vetro decorative element

**Round glass**
D2LR03 Micro Vetro decorative element

**Specifications:**
- **1.75” Micro**
- **IC rated for direct contact with thermal insulation.**
- **Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only).**
- **ENERGY STAR® certified and featuring AirSeal for minimal air leakage.**
Calculite 3” Evolution round apertures

A natural evolution in LED downlighting.

Calculite LED 3” Evolution luminaires are meticulously engineered to provide consistent visual comfort, unsurpassed optical control and extraordinary mechanical precision. Luminaires feature interchangeable optical assemblies providing flexibility in installation for commercial and residential construction.

Features

- Sizes: 3”
- Efficacy: up to 75 lm/W
- Lumens: 1000
- Wattage: 13 W
- Voltage: 120V & 277V
- CCT: 2700K-4000K
- CRI: 80 & 90 min.
- Dimming: 0-10V, Lutron, ELV
- 36,000 hour rated life (L70)

Frame

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Installation</th>
<th>Voltage/Dimming</th>
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<tbody>
<tr>
<td>C3L085</td>
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<td>Non-IC options</td>
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<tr>
<td></td>
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<td>1ELV 120V / ELV</td>
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<td>120V / 0-10V</td>
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<td></td>
<td>2Z10V 277V / 0-10V</td>
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Engine

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Trim

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<th>Flange</th>
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</tr>
<tr>
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<td>W</td>
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<td>A</td>
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<td>CCZ</td>
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<td>AP</td>
<td></td>
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<td>W</td>
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<tr>
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<td>AP</td>
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<tr>
<td></td>
<td>DL</td>
<td></td>
<td>SA</td>
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</table>

Accessories

CA3FMRL0ED 2⅜” dia. mud-in ring for flangeless installs

1. White (WH) finish is only available with Flangeless (FT) or White (W) flanges.
2. Accessory CAJM7MR required for gypsum applications (minimal 1/4” reflector flange).
3. Mud-in ring is for use with optional flush mount flangeless installation (required for gypsum applications).
C3L085N
New construction
Non-IC frame
(AIC available).

Suitable for air seal, insulated ceilings and CCEA requirements

Downlight
6⅜” (168 mm) height

Lensed Wall Wash
5 ¼” (133 mm) height

Adjustable Pinhole
5⅞” (143 mm) height

Downlight Pinhole
6⅛” (165 mm) height

Adjustable Accent
5⅞” (143 mm) height

Downlight dimensions

Adjustable dimensions

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Calculite 4" Adjustable accent round apertures

Precision. Performance.

Adjustable accent fixtures provide full 360° horizontal and 40° vertical adjustment for flexibility and accuracy. Available with dimming, and an assortment of finishing reflectors as well as flanges options to complement architecturally demanding spaces.

Features
- Sizes: 4"
- Efficacy: up to 64 lm/W
- Lumens: 1500, 2200
- Wattage: 27 W
- Voltage: 120/277V
- CCT: 2700K-4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 36,000 hour rated life (L70)

Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>Style</th>
<th>CCT</th>
<th>CRI</th>
<th>Optic</th>
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<tbody>
<tr>
<td>C4L</td>
<td>15 1500lm</td>
<td>A Adjustable accent</td>
<td>27 2700K</td>
<td>8 80CRI</td>
<td>TSP 11° Tight Spot</td>
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<tr>
<td>C4L</td>
<td>22 2200lm</td>
<td>A Adjustable accent</td>
<td>30 3000K</td>
<td>9 90CRI</td>
<td>SP 17° Spot</td>
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<tr>
<td>C4L</td>
<td>35 3500K</td>
<td>A Adjustable accent</td>
<td>35 3500K</td>
<td>9 90CRI</td>
<td>NF 22° Narrow Flood</td>
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<tr>
<td>C4L</td>
<td>40 4000K</td>
<td>A Adjustable accent</td>
<td>40 4000K</td>
<td>1 100CRI</td>
<td>FL 29° Flood</td>
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</table>

Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Style</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>CL Specular clear</td>
<td>W White (matte)</td>
</tr>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>CCL Comfort clear</td>
<td>P Polished²</td>
</tr>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>CCD Comfort clear diffuse</td>
<td>F Flangeless³</td>
</tr>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>CCZ Champagne bronze⁴</td>
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</tr>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>WH White (matte)</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>LLAHVCA11 Hex Cell Louver</td>
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</tr>
<tr>
<td>C4L</td>
<td>A Adjustable accent</td>
<td>CA4FMRLSED 4 1/4” dia. mud-in ring for flangeless installs</td>
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Accessories

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Description</th>
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<tbody>
<tr>
<td>CA4ATSP</td>
<td>11° Tight Spot</td>
</tr>
<tr>
<td>CA4ASP</td>
<td>17° Spot</td>
</tr>
<tr>
<td>CA4ANF</td>
<td>22° Narrow Flood</td>
</tr>
<tr>
<td>CA4AFL</td>
<td>29° Flood</td>
</tr>
<tr>
<td>LLAHV11SF</td>
<td>Soft Focus film</td>
</tr>
<tr>
<td>LLAHV11LS</td>
<td>Linear Spread film</td>
</tr>
<tr>
<td>LLAHV11FR</td>
<td>Frosted Etched film</td>
</tr>
<tr>
<td>CA4DFS</td>
<td>3 1/8&quot; dia. soft focus beam spread filter</td>
</tr>
<tr>
<td>LLPLDV10</td>
<td>10° Flood</td>
</tr>
</tbody>
</table>

1. Configurations using 90 CRI (9) are not compatible with 3500K (35K) and 4000K (40K) CCTs.
2. White (WH) finish is only available with Flangeless (FT) or White (W) flanges.
3. Accessory CA4FMRLSED required for gypsum applications (minimal 1/4" reflector flange). 
4. Accessories sold separately and are field replaceable (consult factory for additional accessories).
5. Can not be combined, accessory holder accepts one accessory only.

Frame + Engine + Trim + Accessories (optional) = complete unit.

Refer to footnotes at the bottom of the page for restrictions.
Office
Calculite LED downlighting
Hospitality
Calculite LED adjustable accent downlighting
Retail
Calculite LED downlighting
23
Comprehensive
Calculite luminaires
4" Adjustable accent
Specification-grade
Calculite generation 3 family
round & square apertures

Components for building a complete unit.
The Calculite LED unique three-part system of frame, driver/light engine, and trim (along with optional accessory) saves time, money and hassle from start to finish and adds a highly personalized solution to showcase your unique lighting vision.

Installation types

| Cylinder | New Construction (Non-IC) | Remodeler (Non-IC) | AirSeal (IC) |

Light engines

- 4-inch light engine
- 6-inch light engine

Decorative elements

- Round acrylic with aluminum insert
- Round acrylic
- Round angled double opal glass
- Round opal glass
Calculite provides a simplified installation process, with no requirements for specialized tools. Calculite modular downlights can be serviced and upgraded at any time without having to access the ceiling.

**Trim types**

- **Round Downlight trim**
  - Narrow beam
  - Medium beam
  - Wide beam
- **Round Shower light trim**
- **Round Open wall wash trim**
- **Round Double wall wash trim**
- **Round Corner wall wash trim**
- **Round Lensed wall wash trim**
  - Built-in adjustable mounting springs allow for installation into thick ceilings with no additional accessories
  - Springs can handle ceilings up to $2\frac{1}{4}$" deep
  - Reflector installs into ceiling without difficult long torsion springs or aggressive springs

- **Square Downlight trim**
  - Narrow/Medium beam
  - Wide beam
- **Square Lensed wall wash trim**
## Calculite 4” round & square apertures

Optically sophisticated. Mechanically advanced.

The Calculite LED family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

### Features

- **Sizes**: 4”
- **Efficacy**: up to 115 lm/W
- **Lumens**: 500–3000
- **Wattage**: 14–15 W
- **Voltage**: 120/277V & 347V
- **CCT**: 2700K–4000K
- **CRI**: 80 & 90 min.
- **Dimming**: (see options below)
- **60,000 hour rated life (L90)**

### Frame

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>R Round</td>
<td>N New construction (Non-IC)</td>
<td>— Universal 120/277V (specify for Power Over Ethernet configurations)</td>
</tr>
<tr>
<td></td>
<td>S Square</td>
<td>R Remodeler (Non-IC)</td>
<td>3 347V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm)</td>
</tr>
</tbody>
</table>

### Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4L</td>
<td>05 500lm²</td>
<td>8</td>
<td>27</td>
<td>N Narrow (43/45°)</td>
<td>U Universal 120/277/347V</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>10 1000lm²</td>
<td>90</td>
<td>30</td>
<td>M Medium (56/58°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>15 1500lm²</td>
<td>300K</td>
<td>35</td>
<td>W Wide (70/76°)</td>
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<td></td>
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<tr>
<td>C4L</td>
<td>20 2000lm²</td>
<td>3000K</td>
<td>40</td>
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</tr>
<tr>
<td>C4L</td>
<td>25 2500lm²</td>
<td>3500K</td>
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<td>C4L</td>
<td>30 3500lm²</td>
<td>4000K</td>
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### Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam (square only)</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4L</td>
<td>R Round</td>
<td>DL Downlight</td>
<td>NM Narrow</td>
<td>CL Specular clear</td>
<td>— White (matte)</td>
</tr>
<tr>
<td>C4L</td>
<td>S Square</td>
<td>SL Shower light*</td>
<td>M Medium</td>
<td>CC Comfort clear</td>
<td>P Polished²</td>
</tr>
<tr>
<td>C4L</td>
<td></td>
<td>WW Open wall wash</td>
<td>W Wide</td>
<td>CD Comfort clear diffuse</td>
<td>F Flangeless²</td>
</tr>
<tr>
<td>C4L</td>
<td></td>
<td>CW Corner wall wash²</td>
<td>—</td>
<td>CZ Champagne bronze⁸</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td></td>
<td>DW Double wall wash²</td>
<td></td>
<td>BK Black (matte)⁸</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td></td>
<td>LW Lensed wall wash</td>
<td></td>
<td>WH White (matte)⁸</td>
<td></td>
</tr>
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</table>

### Vetro

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>4A</td>
<td>01 Round acrylic w/alum. insert</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>02 Round acrylic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>03 Round angled dbl opal glass</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>04 Round opal glass</td>
<td></td>
</tr>
</tbody>
</table>

### Accessories (compatible with all open and lensed reflectors)

- **CA4RFT**: 4-inch Round Mud-in ring (for use with flangeless round installs)
- **CA4SFT**: 4-inch Square Mud-in ring (for use with flangeless square installs)
- **CAEM**: Field installable EM pack (not compatible with Power Over Ethernet)
- **AMS**: ActiLume multi-sensor (optional accessory for Power Over Ethernet)
- **SWZDT**: SpaceWise wireless controller with dwell time functionality⁵ ¹⁰
- **C4RVPWH**: Vandal proof (IP65) matte white finish (only mounts to C4LRDL)

---

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N)
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add “EM” suffix to trim (ex: C4RLOCEM)
3. The 500lm (05) package is only compatible with 0-10V (Z10) dimming and the 2500lm (25) and 3000lm (30) packages have marked spacing requirements (see spec sheets).
4. ELV (E) dimming is only compatible with up to 2000lm (20) lumen configurations.
5. Power over Ethernet (P) is only compatible with 1000 (10) to 2500 (25) lumen configurations.
6. Consists of a round non-conductive flush mount diffuser lens with pre-installed gasket and a matte white non-conductive round flange. Reflector and flange options are not applicable (ex: C4URSL).
7. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations.
8. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
9. White (WH) reflectors are not available with Polished (P) flange configurations.
10. SpaceWise is compatible with all 0-10V configurations (for details see “SWZDT” spec sheet).
Calculite LED 4” gen 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.
Calculite 4” Tunable white round & square apertures

Real world applications, made better.

Calculite LED Tunable white solutions allow the freedom to create different ambiances in a variety of applications. Through a combination of light quality, color, and intensity, they help create environments that can be tailored to occupants’ needs and preferences.

Features
- Sizes: 4”
- Efficacy: up to 93 lm/W
- Lumens: 1000-1200
- Wattage: 10-14 W
- Voltage: 120/277V & 347V

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit. Refer to footnotes at the bottom of the page for restrictions.

Frame

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>R Round</td>
<td>N New construction (Non-IC)</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td>4L</td>
<td>S Square</td>
<td>R Remodeler (Non-IC)</td>
<td>347V EM Emergency</td>
</tr>
<tr>
<td>4A</td>
<td></td>
<td>A AirSeal IC</td>
<td>Universal 120/277V</td>
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Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
<th>Option</th>
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<tbody>
<tr>
<td>C4L</td>
<td>1000lm</td>
<td>80CR</td>
<td>6500K</td>
<td>M M56</td>
<td>D Dali</td>
<td>Universal 120/277V</td>
<td>TW Tunable White</td>
</tr>
<tr>
<td>C4L</td>
<td>1000lm</td>
<td>80CR</td>
<td>2700K</td>
<td>W Wide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>1200lm</td>
<td>80CR</td>
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Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam (square only)</th>
<th>Reflector</th>
<th>Flange</th>
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<tbody>
<tr>
<td>C4</td>
<td>R Round</td>
<td>DL Downlight</td>
<td>NM Narrow/ Medium Wide</td>
<td>CL Specular clear</td>
<td>— White (matte)</td>
</tr>
<tr>
<td>C4L</td>
<td>S Square (DL with N &amp; M beams or LW with M beams)</td>
<td>WW Open wall wash 5</td>
<td>W Wide</td>
<td>CC Comfort clear</td>
<td>P Polished</td>
</tr>
<tr>
<td>C4</td>
<td></td>
<td>CW Corner wall wash 5</td>
<td></td>
<td>CD Comfort clear diffuse</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td></td>
<td>DW Double wall wash 5</td>
<td></td>
<td>CZ Champagne bronze 6</td>
<td></td>
</tr>
<tr>
<td>C4</td>
<td></td>
<td>LW Lensed wall wash 5</td>
<td></td>
<td>BK Black (matte) 7</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td></td>
<td>— Wide (optional for square lensed wall wash style)</td>
<td></td>
<td>WH White (matte) 7</td>
<td></td>
</tr>
</tbody>
</table>

Vetro

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>4A  4-inch aperture</td>
<td>01 Round acrylic w/alum. insert</td>
</tr>
<tr>
<td>D</td>
<td>4A  4-inch aperture</td>
<td>02 Round acrylic</td>
</tr>
<tr>
<td>D</td>
<td>4A  4-inch aperture</td>
<td>03 Round angled dbl opal glass</td>
</tr>
<tr>
<td>D</td>
<td>4A  4-inch aperture</td>
<td>04 Round opal glass</td>
</tr>
</tbody>
</table>

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add “EM” suffix to trim (ex: C4SDLNMCCEM).
3. Medium (M) beam is ideal for Square Lensed Wall Wash (SLW) applications and is actually a Medium (56°) Wide (76°) beam on Square trims only.
4. Wide (W) beam is ideal for all Round Wall Wash (RLW, RWW, RSW, RDW) applications.
5. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
6. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
7. White (WH) reflectors are not available with Polished (P) flange configurations.

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only). RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
## Calculite 4" Retrofit
round & square apertures

Experience the change, see the difference.

Calculite LED retrofit kits are perfect for updating existing installations of previous generation Calculite LED, CFL and incandescent. Remodelers allow for installation into ceilings with existing downlights without the need for access above ceiling.

### Features
- **Sizes**: 4"
- **Efficacy**: up to 115 lm/W
- **Lumens**: 500-2500
- **Wattage**: 14-15 W
- **Voltage**: 120/277V
- **CCT**: 2700 K-4000 K
- **CRI**: 80 & 90 min.
- **Dimming**: (see options below)
- **60,000 hour rated life (L90)**

### Engine + Trim = complete unit.

Refer to footnotes at the bottom of the page for restrictions.

### Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4L</td>
<td>5</td>
<td>8</td>
<td>2700 K</td>
<td>N Narrow (43/45°)</td>
<td>Z10 0-10V 1%</td>
<td>Universal 120/277V</td>
<td>R Retrofit</td>
</tr>
<tr>
<td>C4L</td>
<td>10</td>
<td>8</td>
<td>3000 K</td>
<td>M Medium (56/58°)</td>
<td>E ELV (120V dimming only)</td>
<td>Universal 120/277V</td>
<td>R Retrofit</td>
</tr>
<tr>
<td>C4L</td>
<td>15</td>
<td>8</td>
<td>3500 K</td>
<td>W Wide (70/76°)</td>
<td>L Universal 120/277V</td>
<td>R Retrofit</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>20</td>
<td>8</td>
<td>4000 K</td>
<td>S Square</td>
<td>P Universal 120/277V</td>
<td>R Retrofit</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>25</td>
<td>8</td>
<td>4000 K</td>
<td>R Round</td>
<td>F Flangeless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>30</td>
<td>8</td>
<td>4000 K</td>
<td>W Wide (70/76°)</td>
<td>M Medium (56/58°)</td>
<td>R Retrofit</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>35</td>
<td>8</td>
<td>4000 K</td>
<td>W Wide (70/76°)</td>
<td>M Medium (56/58°)</td>
<td>R Retrofit</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>40</td>
<td>8</td>
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<td>W Wide (70/76°)</td>
<td>M Medium (56/58°)</td>
<td>R Retrofit</td>
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### Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4L</td>
<td>R Round</td>
<td>DL</td>
<td>CL Specular clear</td>
<td>White (matte)</td>
</tr>
<tr>
<td>C4L</td>
<td>W Open wall wash</td>
<td>WW</td>
<td>CC Comfort clear</td>
<td>Polished</td>
</tr>
<tr>
<td>C4L</td>
<td>Square</td>
<td>DLW Downlight (wide beam)</td>
<td>CD Comfort clear diffuse</td>
<td>Flangeless</td>
</tr>
<tr>
<td>C4L</td>
<td>LW Lensed wall wash</td>
<td>CZ Champagne bronze</td>
<td>BK Black (matte)</td>
<td></td>
</tr>
<tr>
<td>C4L</td>
<td>S Square</td>
<td>LW Lensed wall wash</td>
<td>WH White (matte)</td>
<td></td>
</tr>
</tbody>
</table>

1. See C4L spec sheet for different round frame collar height details and dimensions.
2. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
3. White (WH) reflectors are not available with Polished (P) flange configurations.

Certifications: Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.
Calculite 4” AirSeal
round & square apertures

Downlight and wall wash

Calculite LED AirSeal housings minimize air leakage to less than 2CFM at 1.57 PSF and reduces heat loss and condensation in ceiling.

Features

• Sizes: 4”
• Efficacy: up to 115 lm/W
• Lumens: 500-2000
• Wattage: 14-15 W
• Voltage: 120/277V
• CCT: 2700K-4000K
• CRI: 80 & 90 min.
• Dimming: (see options below)
• 60,000 hour rated life (L90)

Housing + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit. Refer to footnotes at the bottom of the page for restrictions.

Housing

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>R Round</td>
<td>AirSeal (IC)</td>
<td>— Universal 120/277V</td>
<td>— Universal 120/277V</td>
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Engine

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<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>C4L</td>
<td>05</td>
<td>80</td>
<td>2700K</td>
<td>Narrow (43°)</td>
<td>Z100-10V 1% DMX</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>3000K</td>
<td>Medium (56°)</td>
<td>SOL0-10V 1% Digital Multiplexing</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td>4000K</td>
<td>Wide (76°)</td>
<td>Dali ELV (120V dimming only)</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>80</td>
<td>2700K</td>
<td>Narrow (43°)</td>
<td>Z100-10V 1% DMX</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td></td>
<td>3000K</td>
<td>Medium (56°)</td>
<td>SOL0-10V 1% Digital Multiplexing</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td></td>
<td>4000K</td>
<td>Wide (76°)</td>
<td>Dali ELV (120V dimming only)</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td></td>
<td>4000K</td>
<td>Wide (76°)</td>
<td>Dali ELV (120V dimming only)</td>
<td>Universal 120/277V</td>
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Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam (square only)</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4L</td>
<td>R Round</td>
<td>DL</td>
<td>Narrow/Medium Wide</td>
<td>CL Specular clear</td>
<td>— White (mate)</td>
</tr>
<tr>
<td></td>
<td>S Square</td>
<td>WW</td>
<td>Open wall wash2</td>
<td>CC Comfort clear</td>
<td>P Polished4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CW</td>
<td>Corner wall wash3</td>
<td>CD Comfort clear diffuse</td>
<td>F Flangeless3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DW</td>
<td>Double wall wash3</td>
<td>CZ Champagne bronze4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LW</td>
<td>Lensed wall wash3</td>
<td>BK Black (mate)5</td>
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</tr>
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Vetro

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<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Accessories</th>
</tr>
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<tbody>
<tr>
<td>D Decorative elements</td>
<td>4A 4-inch aperture</td>
<td>01 Round acrylic w/alum. insert</td>
<td>CA4RFT 4-inch Round Mud-in ring (for use with flangeless round installs)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02 Round acrylic</td>
<td>CA4SFT 4-inch Square Mud-in ring (for use with flangeless square installs)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03 Round angled dbl opal glass</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>04 Round opal glass</td>
<td></td>
</tr>
</tbody>
</table>

Footnotes:
1. The 500lm (05) package is only compatible with 0-10V (Z10) dimming.
2. Wide (W) beam is ideal for all Round Wall Wash (RLW, RWW, RCW, RDW) applications.
3. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) config and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
4. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
5. White (WH) reflectors are not available with Polished (P) flange configurations.
AirSeal / Chicago Plenum round

AirSeal / Chicago Plenum square

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only). RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Calculite 6”
round & square apertures

Optically sophisticated. Mechanically advanced.

The Calculite LED family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

**Features**
- Sizes: 6”
- Efficacy: up to 115 lm/W
- Lumens: 1000–6000
- Wattage: 21–57W
- Voltage: 120/277V & 347V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

**Voltage:**
- Universal 120/277V (specify for Power Over Ethernet configurations)
- 347V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm)

**Frame**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>R Round</td>
<td>N New construction (Non-IC)1</td>
<td>— Universal 120/277V (specify for Power Over Ethernet configurations)</td>
</tr>
<tr>
<td>6 Non-IC</td>
<td>S Square</td>
<td>R Remodeler (Non-IC)</td>
<td>3 347V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm)</td>
</tr>
</tbody>
</table>

**Engine**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>1000lm</td>
<td>80</td>
<td>2700K</td>
<td>N Narrow (30/40°)</td>
<td>U Universal 120/277/347V</td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>1500lm</td>
<td>90</td>
<td>3000K</td>
<td>M Medium (55°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>2000lm</td>
<td>90CRI</td>
<td>3500K</td>
<td>W Wide (64/72°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>2500lm</td>
<td>35</td>
<td>4000K</td>
<td>Lutron LDE1 EcoSystem (fade-to-black)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>3500lm</td>
<td>40</td>
<td></td>
<td>E ELV (120V dimming only)4</td>
<td>1 Universal 120/277V</td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>4000lm</td>
<td>40</td>
<td></td>
<td>P Power over Ethernet5</td>
<td>E Ethernet 48V DC</td>
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</tr>
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**Trim**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam (square only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>R Round</td>
<td>DL Downlight</td>
<td>NM Narrow/Medium</td>
</tr>
<tr>
<td>C6L</td>
<td>S Square</td>
<td>SL Shower light</td>
<td>W Wide (choose W beam above optimal for all wall wash styles)</td>
</tr>
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</table>

**Reflector**

<table>
<thead>
<tr>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>— White (matte)</td>
</tr>
<tr>
<td>P Polished7</td>
</tr>
<tr>
<td>F Flangeless7</td>
</tr>
</tbody>
</table>

**Vetro**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>6A 6-inch aperture</td>
<td>01 Round acrylic w/alum. insert</td>
</tr>
<tr>
<td>D</td>
<td>6A 6-inch aperture</td>
<td>02 Round acrylic</td>
</tr>
<tr>
<td>D</td>
<td>6A 6-inch aperture</td>
<td>03 Round angled dbl opal glass</td>
</tr>
<tr>
<td>D</td>
<td>6A 6-inch aperture</td>
<td>04 Round opal glass</td>
</tr>
</tbody>
</table>

**Accessories** (compatible with all open and lensed reflectors)

- C6RFT 6-inch Round Mud-in ring (for use with flangeless round install)
- C6ST 6-inch Square Mud-in ring (for use with flangeless square install)
- C6EM Field installable EM pack (not compatible with Power Over Ethernet)
- AMS ActiLume multi-sensor (optional accessory for Power Over Ethernet)
- SWD SpaceWise wireless controller with dwell time functionality8
- C6VWH Vandal proof IP65 matte white finish (only mounts to C6LRDL)

---

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N) configurations.
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflective mounted test switch requires above ceiling access. For reflective mounted test switch, order emergency frame and add "EM" suffix to trim (ex. C6LRDCFEM).
3. The 48x30lm (4) and 60x60lm (60) lumens packages are only available with 0-10V (210) dimming and have marked spacing requirements (see spec sheets).
4. ELV (E) dimming is only compatible with up to 2500lm (25) lumen configurations.
5. Power over Ethernet (P) is only compatible with 1000 (10) to 2500 (25) lumen configurations.
6. Consists of a round non-conductive flush mount diffuse lens with pre-installed gasket and a matte white non-conductive round flange. Reflective and flange options are not available (ex. C6LRS).
7. Lumen (W) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
8. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
9. White (WH) reflectors are not available with Polished (P) flange configurations.
10. SpaceWise is compatible with all 0-10V configurations (for details see “SWD” spec sheet).
Calculite LED 6" gen 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.
Calculite 6” Tunable white
round & square apertures

Real world applications, made better.

Calculite LED Tunable white solutions allow the freedom to create different ambiances in a variety of applications. Through a combination of light quality, color, and intensity, they help create environments that can be tailored to occupants’ needs and preferences.

Features
• Sizes: 6”
• Efficacy: up to 108 lm/W
• Lumens: 1000-2500
• Wattage: 19-21 W
• Voltage: 120/277V & 347V

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit. Refer to footnotes at the bottom of the page for restrictions.

Frame

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>R Round</td>
<td>N New construction (Non-IC)1</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td></td>
<td>S Square</td>
<td>R Remodeler (Non-IC)1</td>
<td>347V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A AirSeal IC</td>
<td>Universal 120/277V</td>
</tr>
</tbody>
</table>

Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>1000lm 1500lm 2000lm 2500lm</td>
<td>8 80 CRI 65 6500K to 2700K</td>
<td>M Medium (56°) W Wide (76/78°)</td>
<td>D Dali</td>
<td>U Universal 120/277/347V</td>
<td>TW Tunable White</td>
<td></td>
</tr>
</tbody>
</table>

Trim

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam (square only)</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6</td>
<td>R Round</td>
<td>DL Downlight</td>
<td>NM Narrow/Medium</td>
<td>CL Specular clear</td>
<td>— White (matte)</td>
</tr>
<tr>
<td></td>
<td>S Square</td>
<td>WW Open wall wash3</td>
<td>W Wide</td>
<td>CC Comfort clear</td>
<td>P Polished2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CW Corner wall wash3</td>
<td>—</td>
<td>CD Comfort clear diffuse</td>
<td>F Flangeless3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DW Double wall wash3</td>
<td>—</td>
<td>CZ Champagne bronze6</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LW Lensed wall wash3</td>
<td>—</td>
<td>BK Black (matte)6</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>—</td>
<td>WH White (matte)5</td>
<td>—</td>
</tr>
</tbody>
</table>

Vetro

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>6A 6-inch</td>
<td>01 Round acrylic w/alu. insert</td>
<td>6-inch Round Mud-in ring (for use with flangeless round installs)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02 Round acrylic</td>
<td>6-inch Square Mud-in ring (for use with flangeless square installs)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03 Round angled dbl opal glass</td>
<td>Field installable EM pack (not compatible with Power over Ethernet)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04 Round opal glass</td>
<td>Vandal proof (IP65) matte white finish (only mounts to C6HLCL)</td>
</tr>
</tbody>
</table>

Certifications:
1. IC rated for direct contact with thermal insulation.
2. Title 24 rated. cULus listed (UL 1598) for wet locations (covered ceiling only).
3. RoHS compliant. ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
4. 6-inch beam is ideal for all Round Wall Wash (RWW, RWW, RWW, RWW) applications.
5. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
6. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
7. White (WH) reflectors are not compatible with polished (P) flange configurations.
Calculite 6” Retrofit
round & square apertures

Experience the change, see the difference.

Calculite LED retrofit kits are perfect for updating existing installations of previous generation Calculite LED, CFL and incandescent. Remodelers allow for installation into ceilings with existing downlights without the need for access above ceiling.

**Features**
- Sizes: 6”
- Efficacy: up to 102 lm/W
- Lumens: 1000–3500
- Wattage: 21–24 W
- Voltage: 120/277 V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

**Engine + Trim = complete unit.**
Refer to footnotes at the bottom of the page for restrictions.

**Engine**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>1000 lm</td>
<td>8</td>
<td>2700 K</td>
<td>Medium (25°)</td>
<td>Z10 0–10 V 1%</td>
<td>U Universal 120/277 V</td>
<td>R Retrofit</td>
</tr>
<tr>
<td>C6L</td>
<td>1500 lm</td>
<td>8</td>
<td>3000 K</td>
<td>Wide (72°)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>2000 lm</td>
<td>8</td>
<td>3500 K</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>2500 lm</td>
<td>8</td>
<td>4000 K</td>
<td></td>
<td>E ELV (120V dimming only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td>3500 lm</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Trim**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L</td>
<td>R Round</td>
<td>DL Downlight</td>
<td>— White (matte) P Polished² F Flangeless</td>
</tr>
<tr>
<td>C6L</td>
<td>S Square</td>
<td>WW Open wall wash</td>
<td></td>
</tr>
<tr>
<td>C6L</td>
<td></td>
<td>DLW Downlight (wide beam)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LW Lensed wall wash</td>
<td></td>
</tr>
</tbody>
</table>

1. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
2. White (WH) reflectors are not available with Polished (P) flange configurations.

Certifications: Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.
**Calculite 6” AirSeal**

**round & square apertures**

**Downlight and wall wash**

Calculite LED AirSeal housings minimize air leakage to less than 2CFM at 1.57 PSF and reduces heat loss and condensation in ceiling.

### Features
- **Sizes**: 6”
- **Efficacy**: up to 115 lm/W
- **Lumens**: 1000-3500
- **Wattage**: 19-36 W
- **Voltage**: 120/277V
- **CCT**: 2700K–4000K
- **CRI**: 80 & 90 min.
- **Dimming**: (see options below)
- **60,000 hour rated life (L90)**

Refer to footnotes at the bottom of the page for restrictions.

**Housing**

**Engine**

**Trim**

**Vetro**

**Accessories** (compatible with all open and lensed reflectors)

1. Medium (M) beam is ideal for Square Lensed Wall Wash (SLW) applications and is actually a Medium (M) / Wide (W) beam on Square trims only.
2. Wide (W) beam is ideal for a Round Wall Wash (RLW, RWL, RDW, RCW, ROW) applications.
3. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
4. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
5. White (WH) reflectors are not available with Polished (P) flange configurations.
6. SpaceWise is compatible with all 0-10V configurations (for details see “SWZDT” spec sheet).
Certifications: IC rated for direct contact with thermal insulation. Title 24 rated. cULus listed (UL 1598) for wet locations (covered ceiling only). RoHS compliant. ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Calculite 7” round apertures

Optically sophisticated. Mechanically advanced.

The Calculite LED family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

Features
- Sizes: 7”
- Efficacy: up to 118 lm/W
- Lumens: 1000-6000
- Wattage: 21-57 W
- Voltage: 120/277V & 347 V
- CCT: 2700K-4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

38 Lightolier
Specification-grade

Calculite 7” round apertures

Frame

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7-inch Non-IC</td>
<td>Round</td>
<td>N</td>
<td>Universal 120/277V (specify for Power Over Ethernet configurations)</td>
</tr>
<tr>
<td>7 7-inch Non-IC</td>
<td>Round</td>
<td>R Remodeler</td>
<td>347 V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm)</td>
</tr>
<tr>
<td>7 7-inch Non-IC</td>
<td>Round</td>
<td>EM Emergency</td>
<td>LC Chicago Plenum</td>
</tr>
<tr>
<td>7 7-inch Non-IC</td>
<td>Round</td>
<td>IP InterAct Pro</td>
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</tbody>
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Engine

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Dimming</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>1000lm</td>
<td>80 CRI</td>
<td>2700K</td>
<td>Narrow (40°)</td>
<td>Z10 0-10V 1%</td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>1500lm</td>
<td>90 CRI</td>
<td>3000K</td>
<td>Medium (55°)</td>
<td>SOL EldoLED Solo 0-10V 0.1%</td>
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</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>2000lm</td>
<td>90 CRI</td>
<td>3500K</td>
<td>Wide (72°)</td>
<td>DMX Digital Multiplexing</td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>2500lm</td>
<td>90 CRI</td>
<td>4000K</td>
<td>—</td>
<td>Dali</td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>3500lm</td>
<td>90 CRI</td>
<td>—</td>
<td>—</td>
<td>Lutron LDE1 EcoSystem</td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>4800lm</td>
<td>90 CRI</td>
<td>—</td>
<td>—</td>
<td>(fade-to-black)</td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>6000lm</td>
<td>90 CRI</td>
<td>—</td>
<td>—</td>
<td>E ELV (120V dimming only)</td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>P Power over Ethernet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>E Ethernet 48V DC</td>
<td></td>
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</tr>
</tbody>
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Trim

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<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Style</th>
<th>Beam</th>
<th>Reflector</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>C7L Calculite 7-inch Non-IC</td>
<td>Round</td>
<td>DL Downlight</td>
<td>NW Narrow</td>
<td>CL Specular clear</td>
<td></td>
</tr>
<tr>
<td>C7L Calculite 7-inch Non-IC</td>
<td>Round</td>
<td>WW Open wall wash</td>
<td>NM Narrow/Medium</td>
<td>CC Comfort clear</td>
<td></td>
</tr>
<tr>
<td>C7L Calculite 7-inch Non-IC</td>
<td>Round</td>
<td>CW Corner wall wash</td>
<td>—</td>
<td>CD Comfort clear diffuse</td>
<td></td>
</tr>
<tr>
<td>C7L Calculite 7-inch Non-IC</td>
<td>Round</td>
<td>DW Double wall wash</td>
<td>—</td>
<td>CZ Champagne bronze</td>
<td></td>
</tr>
<tr>
<td>C7L Calculite 7-inch Non-IC</td>
<td>Round</td>
<td>LW Lensed wall wash</td>
<td>—</td>
<td>BK Black</td>
<td></td>
</tr>
<tr>
<td>C7L Calculite 7-inch Non-IC</td>
<td>Round</td>
<td>— Wide (choose W beam above optimal for all wall wash styles)</td>
<td>— Wide (choose W beam above optimal for all wall wash styles)</td>
<td>WH White</td>
<td></td>
</tr>
</tbody>
</table>

Accessories (compatible with all open and lensed reflectors)

- CA7RTF 7-inch Round Mud-in ring (for use with flangeless round installs)
- CAEM Field installable EM pack (not compatible with Power over Ethernet)
- AMS ActiLume multi-sensor (optional accessory for Power Over Ethernet)
- SWZDT SpaceWise wireless controller with dwell time functionality

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add “EM” suffix to trim (ex: C7RDLCCEM).
3. The 4800lm (48) and 6000lm (60) lumen packages are only available with 0-10V (Z10) dimming and have marked spacing requirements (see spec sheets).
4. ELV (E) dimming is only compatible with up to 2500lm (25) lumen configurations.
5. Power over Ethernet (P) is only compatible with 1000 (10) to 2500 (25) lumen configurations.
6. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations.
7. White (WH) reflectors are not available with Polished (P) flange configurations.
8. SpaceWise is compatible with all 0-10V configurations (for details see “SWZDT” spec sheet).
Calculite LED 7" gen 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only). RoHS compliant. ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Calculite 7” Retrofit
round apertures

Experience the change, see the difference.

Calculite LED retrofit kits are perfect for updating existing installations of previous generation Calculite LED, CFL and incandescent. Remodelers allow for installation into ceilings with existing downlights without the need for access above ceiling.

**Features**
- **Sizes:** 7”
- **Efficacy:** up to 118 lm/W
- **Lumens:** 1000–3500
- **Wattage:** 21–24 W
- **Voltage:** 120/277V
- **CCT:** 2700K–4000K
- **CRI:** 80 & 90 min.
- **Dimming:** (see options below)
- **60,000 hour rated life (L90)**

**Engine + Trim = complete unit.**
Refer to footnotes at the bottom of the page for restrictions.

**Certifications:** Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

---

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Lumen</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam (match above)</th>
<th>Dimming</th>
<th>Voltage</th>
<th>Installation</th>
</tr>
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<tbody>
<tr>
<td>C6L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R Retrofit</td>
</tr>
<tr>
<td>C6L Calculite 6-inch Non-IC</td>
<td>10 1000lm</td>
<td>8</td>
<td>27</td>
<td>M Medium (55°)</td>
<td>Z10 0-10 V 1%</td>
<td>U Universal 120/277V</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15 1500lm</td>
<td></td>
<td>30</td>
<td>W Wide (72°)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 2000lm</td>
<td></td>
<td>35</td>
<td></td>
<td>E ELV (120V dimming only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>25 2500lm</td>
<td></td>
<td>40</td>
<td></td>
<td>F ELV (120V dimming only)</td>
<td></td>
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<tr>
<td></td>
<td>35 3500lm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Trim**
- **Aperture:** R Round
- **Style:** DL Downlight
- **Beam:** NM Narrow/Medium Wide
- **WW Open wall wash**

**Reflector**
- **CL Specular clear**
- **CC Comfort clear**
- **CD Comfort clear diffuse**
- **CZ Champagne bronze**
- **BK Black (mate)**
- **WH White (mate)**

**Flange**
- White (mate)
- Polished (P)
- Flangeless (F)

1. White (WH) reflectors are not available with Polished (P) flange configurations.
Calculite 4” / 6” Cylinder
round apertures

Always reaching higher.

Calculite LED Cylinders employ the same quality lighting technology and design configurations to ensure a consistent color point between luminaires within a lighting application.

**Features**
- Sizes: 4" & 6"
- Efficacy: up to 115 lm/W
- Lumen: 500~6000
- Wattage: 6~57W
- Voltage: 120/277V
- CCT: 2700K~4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

**Fixture**
This classic architectural cylinder matches lumen, beam and style offerings available with Calculite LED gen 3 downlight.

(BK, CZ, CL, CC, CD)

**Series/Size** | **Mount** | **Style** | **Lumen** | **CRI** | **CCT (K)** | **Beam** | **Dimming** | **Voltage** | **Reflector** | **Finish**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
C4 Calculite 4-inch Aperture | S Surface W Wall P Pendant | DL Downlight WW Wall Wash1 | 05 5001 10 1000 15 1500 20 2000 25 2500 30 3000 | 8 80 9 90 | 27 3000 35 3500 40 4000 | N Narrow M Medium W Wide2 | Z10 0~10V 1% | 1 Universal (120/277V) | BK Black (matte) | W White (matte)
| | | | | | | | | | | CL Specular clear
| | | | | | | | | | | CC Comfort clear
| | | | | | | | | | | CD Comfort clear diffuse
| | | | | | | | | | | CZ Champagne bronze
C6 Calculite 6-inch Aperture | S Surface W Wall P Pendant | DL Downlight WW Wall Wash1 | 10 1000 15 1500 20 2000 25 2500 30 3000 35 3500 40 4000 45 4800 60 6000 | 8 80 9 90 | 27 3000 35 3500 40 4000 | N Narrow M Medium W Wide2 | Z10 0~10V 1% | 1 Universal (120/277V) | BK Black (matte) | W White (matte)
| | | | | | | | | | | CL Specular clear
| | | | | | | | | | | CC Comfort clear
| | | | | | | | | | | CD Comfort clear diffuse
| | | | | | | | | | | CZ Champagne bronze

**Accessories**

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Kit</th>
<th>Style</th>
<th>Finish</th>
</tr>
</thead>
</table>
| CA Calculite Accessory | SK Stem kit | 36 36-inches | W White (matte)
| | CK Cable kit | 10 120-inches | B Black (matte)
| | | | A Aluminum2

---
1. Pendant (P) option needs to be ordered with an accessory
2. Wall Wash (WW) and Double Wall Wash (DW) are only available with Wide (W) beam
3. ELV (ELV) dimming is not compatible with 500lm (05) configurations (C4 only), and is only compatible with up to 2000lm (20) configurations
4. Lutron (L), Dali (D), EldoLED Solo (SOL), and Digital Multiplex (DMX) are only available up to 3500lm (35) configurations
5. ELV (ELV) dimming is only compatible with up to 2500lm (25) configurations (C6 only)
6. Digital Multiplex (DMX) dimming is not compatible with the Cable Kit (CK) accessory
7. Cable kit is not available in the Aluminum (AL) finish
Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.
Recessed Multiples
See details in track lighting section

Product offering
Alcyon LED Recessed Multiples pg 78
OmniSpot LED Recessed Multiples pg 84
Spot LED Recessed Multiples pg 88

Note: For details on Recessed multiples see pages 78-88 in the track lighting section.
Finishes
For use with Calculite product line

Reflector

**CL** Specular clear
Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

**CC** Comfort clear
Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

**CD** Comfort clear diffuse
Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with specular finishes.

**CZ** Champagne bronze
Semi-specular finish that softens the light at the source of the reflector while providing a warmer reflector appearance (light output is slightly warmer).

**WH** White (matte)
Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

**BK** Black (matte)
Specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

Flange

**P** Polished (matches aperture)
Produces a continuous look throughout the reflector (aperture matching).

**F** Flangeless (flush-mount)
Creates a flush, virtually seamless transition from aperture to ceiling.

**-** White (matte)
Provides the smoothest transition to ceilings when off.

**Note:** Not all finishes are available for all trims (refer to specification sheet for availability). When handling reflectors, use clean white or plastic film gloves to avoid fingerprints. Specular surfaces can be cleaned by the following methods: Wipe off with soft clean, dry lint-free cloth; or wipe off with a soft cloth dampened in mild detergent solution, rinse, then wipe dry with lint-free cloth or paper towel; or wipe off with clean cloth dampened with a solution of wetting agent and water (such as 2 oz. per gallon “Pluronic L62-LF” by Wynandotte Products or liquid such as Glass Wax®) then wipe dry with a lint-free cloth or paper towel. Avoid gritty cleaning agents.
Decorative elements
For use with 4”, 6” & 7” Calculite product line

A definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance. Vetro decorative glass elements open a world of creative potential. Designed for stand-out style or a reserved minimal look, these elements offer unlimited scope for a broad variety of applications – all within the same design family.

D01 series
Round acrylic decorative element with aluminum insert

D02 series
Round acrylic decorative element

D03 series
Round angled double opal glass decorative element

D04 series
Round opal glass decorative element

VP Vandal Proof
Available for 4" and 6" round apertures, provides an elegant solution for vandal resistant needs. One piece machined aluminum ring with impact resistant clear lens. Flangeless (F) flange must be ordered. Provides the luminaire with an IK10 impact and IP65 rating.

FT Flangeless Mud-in Ring
Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3/16” flange thickness. The ring is attached to the ceiling material opposed to the frame to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster.

After installing the frame, a mud-in ring is inserted into the ceiling opening, the flange is plastered over, feathered, sanded and finished. The end result is a clean inconspicuous appearance with a flush, virtually seamless transition from aperture to ceiling.

Note: A flangeless reflector is required for installation of the decorative glass elements. For the best visual effect, pair with the Calculite Clear (CL) reflector finish.
A wide array of luminaires that fit any of project need: from retail to residential to commercial.

As the LED technology continues to evolve, Lightolier integrated LED downlight luminaires are more energy efficient and versatile than ever before. From general and accent lighting to wall wash and wet location lighting, there are a variety of product families to choose from that can provide the right lighting for the right application, all with the trusted Lightolier quality.

All LED downlight luminaires feature a substantial rated lifetime at 70% lumen maintenance along with a 5-year limited warranty. All product families are UL Listed and most configurations comply with ENERGY STAR® and/or California’s Title 24 certifications. Many luminaires offer multiple finish and flange options.
Performance-grade

LyteProfile  
round & square apertures  pg. 50

EasyLyte  
round apertures  pg. 52

Value-grade

LyteCaster  
round & square apertures  pg. 54

LyteCaster Adjustable  
round apertures  pg. 56

LyteCaster Accent  
round & square apertures  pg. 58

SlimSurface  
round & square apertures  pg. 60

Budget-grade

Surface-mount downlight  
round apertures  pg. 62

Retrofit downlight  
round apertures  pg. 63

Flat downlight  
round & square apertures  pg. 64

Mini Downlight & Gimbal  
round & square apertures  pg. 65

Comprehensive

Downlight luminaires
LyteProfile

round & square apertures

An easy to install architecturally pleasing low profile downlight.

Provides a comfortable 60° cut-off to both the actual and reflected source. Utilizes a robust frame-in kit, light engine and reflector design that is designed for a wide variety of installation conditions with a plenum depth of 4-1/2”.

Features

- Sizes: 4” & 6”
- Efficacy: up to 100 lm/W
- Lumens: 500-3500
- Wattage: 7-20W
- Voltage: 120V-277V & 347V

- CCT: 2700K-5000K
- CRI: 80 min.
- Dimming: (see options below)
- 60,000 hour rated life (L80)

### Trim

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Finish</th>
<th>Flange</th>
<th>Dimming</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>P4R</td>
<td>Downlight</td>
<td>05</td>
<td>500lm</td>
<td>CL 827</td>
<td>White (matte)</td>
<td>Z10</td>
<td>Universal 120/277/347V</td>
</tr>
<tr>
<td>P4S</td>
<td>Downlight</td>
<td>10</td>
<td>1000lm</td>
<td>CC 830</td>
<td>Polished (aperture matching)</td>
<td>P</td>
<td>Power over ethernet (PoE)</td>
</tr>
<tr>
<td>P6R</td>
<td>Downlight</td>
<td>15</td>
<td>1500lm</td>
<td>CD 835</td>
<td>White (matte)</td>
<td>B</td>
<td>Ethernet 48V DC</td>
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<tr>
<td>P6S</td>
<td>Downlight</td>
<td>20</td>
<td>2000lm</td>
<td>BK 840</td>
<td>Black (matte)</td>
<td>-</td>
<td>Universal 120/277/347V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25</td>
<td>2500lm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td></td>
<td></td>
<td>30</td>
<td>3000lm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>35</td>
<td>3500lm</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

1. There is a 2000lm (20) limit with 4” (4RA) IC housings and a 3000lm (30) limit with 6” (6RA) IC housings.
2. Interact Pro (IP), Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N) installations.
3. Integral Interact Pro RF sensor enables network lighting control, to be specified with 0-10V light engines only.
4. Emergency (EM) frame comes with emergency battery pack and ceiling mountable test switch.
5. The 500 lm (5) lumen option is not available with Lutron (L) dimming.
6. The 3500lm (35) lumen option is only available in a Downlight (DL) style.
7. Specular clear (CL), Comfort clear (CC) and Comfort clear diffuse (CD) finishes will be available in Q1 of 2019.
8. The White (WH) and Black (BK) reflectors are painted aluminum, Black (BK) reflectors comes with Black (B) flange only.

4” & 6” round downlight

4” & 6” round lensed wall wash

4” & 6” squares also available

Note: Consult factory for additional dimming options.
Improve your profitability, deliver projects on time and future proof installation by choosing from full family of one frame LED downlights.

**Certifications:** cULus listed for wet locations, RoHS compliant, ENERGY STAR® certified.
EasyLyte
round apertures

An easy to install architecturally pleasing low profile downlight.

Adaptable lighting that meets your budget, your design, and your installation. An adaptable, and flexible downlight for your changing project needs. It is your best choice for economy without sacrificing ease of installation or performance.

Features

- Sizes: 4" & 6"
- Efficacy: up to 120 lm/W
- Lumens: 500–3500
- Wattage: 7–30W
- Voltage: 120V–277V & 347V
- CRI: 80 min.
- Dimming: (see options below)
- 60,000 hour rated life (L80)
- CCT: 2700K–4000K
- CRI / 2700K–4000K
- CCT: 2700K–4000K
- CRI / CCT: 80 min.
- Dimming: (see options below)

Frame

<table>
<thead>
<tr>
<th>Series/Size</th>
<th>Aperture</th>
<th>Installation</th>
<th>Voltage/Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 4-inch Non-IC</td>
<td>R Round</td>
<td>N New construction (Non-IC)</td>
<td>Universal 120/277V (specify for Power Over Ethernet)</td>
</tr>
<tr>
<td>6 6-inch Non-IC</td>
<td>R Round</td>
<td>A AirSeal (IC)</td>
<td>LC Chicago Plenum² EM Emergency²</td>
</tr>
<tr>
<td>3 3IP 347V with Interact Pro²⁵</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Trim

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Beam</th>
<th>Reflector</th>
<th>Finish</th>
<th>Dimming</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>24RDL 4-inch Round Downlight</td>
<td>05 5000lm</td>
<td>827 80 CR1 / 2700K</td>
<td>W Wide</td>
<td>O Open downlight</td>
<td>CD Clear diffuse (applied finish)</td>
<td>Z10 0–10V 1% Lutron LDE1 EcoSystem (fade-to-black)</td>
<td>L Universal 120/277/347V</td>
</tr>
<tr>
<td>26RDL 6-inch Round Downlight</td>
<td>20 2000lm</td>
<td>830 80 CR1 / 3000K</td>
<td>(only available with 6-inch)</td>
<td>S Step baffle</td>
<td>BK Black (matte)</td>
<td>E ELV²</td>
<td>P Power over Ethernet (PoE)</td>
</tr>
<tr>
<td>30 3000lm</td>
<td>835 80 CR1 / 3500K</td>
<td>(only available with 6-inch)</td>
<td></td>
<td>WH White (matte)</td>
<td>WH Dark Bronze (Q1 2019)</td>
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<tr>
<td>35 3500lm</td>
<td>840 80 CR1 / 4000K</td>
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</tbody>
</table>

Certifications: cULus listed for wet locations, RoHS compliant. ENERGY STAR® certified.
LyteCaster
round & square apertures

Defining general purpose LED downlights.

Ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame that is offered in two lumen packages. The downlight is wet location listed and comes in 3 standard options.

Features

- Sizes: 4", 5" & 6" round and square
- Efficacy: up to 90 lm/W
- Lumens: 650–2000
- Wattage: 7–20 W
- Voltage: 120V or 120V–277V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: ELV/TRIAC & 0–10V
- Lifetime: 50,000 hour (L70)

Housing

<table>
<thead>
<tr>
<th>Series / Size / Shape</th>
<th>Lumens</th>
<th>Installations (Airseal IC)</th>
<th>Dimming (Voltage) Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4R 4-inch / Round</td>
<td>650lm</td>
<td>A New construction with screws</td>
<td>E1VA ELV (120V) Version A</td>
</tr>
<tr>
<td></td>
<td>1000lm</td>
<td>AN New construction with nails</td>
<td>Z10UVA 0–10V (Unv 120–277V) Version A</td>
</tr>
<tr>
<td>L5R 5-inch / Round</td>
<td>1000lm</td>
<td>R Remodeler (06R, 10R or 15R)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1500lm</td>
<td>AN New construction with nails</td>
<td></td>
</tr>
<tr>
<td>L6R 6-inch / Round</td>
<td>1500lm</td>
<td>A New construction with screws</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2000lm</td>
<td>AN New construction with nails</td>
<td></td>
</tr>
<tr>
<td>L5R 5-inch / Round</td>
<td>700lm</td>
<td>R Remodeler</td>
<td></td>
</tr>
<tr>
<td>L5R 5-inch / Round</td>
<td>700lm</td>
<td>R Remodeler</td>
<td></td>
</tr>
</tbody>
</table>

1. Leave lumens field blank to specify 4" 650lm, 5" 1000lm or 6" 1500lm configurations.

Note: Square trims are configured with round housings and light engines.
Available in 3 aperture sizes: 4”, 5”, & 6”. The 4” round delivers 650 and 1000 lumens, and 4” square delivers 1000 lumens. The 5” round delivers 1000 and 15000 lumens, and 5” square delivers 1000 lumens. A 5” round is also available with warm glow effect that delivers 700 lumens. The 6” round delivers 1500 and 2000 lumens, and 6” square delivers 1500 lumens.

<table>
<thead>
<tr>
<th>Series / Size / Shape</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4R  4-inch / Round</td>
<td>650lm</td>
<td>827</td>
<td>VA</td>
</tr>
<tr>
<td>L5R  5-inch / Round</td>
<td>1000lm</td>
<td>830</td>
<td>Version A</td>
</tr>
<tr>
<td>L6R  6-inch / Round</td>
<td>1500lm</td>
<td>927</td>
<td>VA</td>
</tr>
</tbody>
</table>

1. Leave lumens field blank to specify 4” 650lm, 5” 1000lm or 6” 1500lm configurations.

**Light engine**

Available in 3 aperture sizes: 4”, 5”, & 6”. The 4” round delivers 650 and 1000 lumens, and 4” square delivers 1000 lumens. The 5” round delivers 1000 and 15000 lumens, and 5” square delivers 1000 lumens. A 5” round is also available with warm glow effect that delivers 700 lumens. The 6” round delivers 1500 and 2000 lumens, and 6” square delivers 1500 lumens.

<table>
<thead>
<tr>
<th>Series / Size / Shape</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4R  4-inch / Round</td>
<td>650lm</td>
<td>827</td>
<td>VA</td>
</tr>
<tr>
<td>L5R  5-inch / Round</td>
<td>1000lm</td>
<td>830</td>
<td>Version A</td>
</tr>
<tr>
<td>L6R  6-inch / Round</td>
<td>1500lm</td>
<td>927</td>
<td>VA</td>
</tr>
</tbody>
</table>

1. Leave lumens field blank to specify 4” 650lm, 5” 1000lm or 6” 1500lm configurations.

**Trim**

Warm glow effect
Create a warm, relaxing ambiance with warm glow effect. This cutting-edge technology reduces the color temperature to a warm glow when dimmed, taking LED dimming to new levels.

**Round trims**

<table>
<thead>
<tr>
<th>Series / Size</th>
<th>Shape / Type</th>
<th>Details / Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4 LyteCaster 4-inch</td>
<td>R Round / Downlight</td>
<td>DD Downlight / Clear diffuse with white flange</td>
</tr>
<tr>
<td>L5 LyteCaster 5-inch</td>
<td>R Round / Downlight</td>
<td>DW Downlight / White with white flange</td>
</tr>
<tr>
<td>L6 LyteCaster 6-inch</td>
<td>R Round / Downlight</td>
<td>BW Baffle downlight / White with white flange</td>
</tr>
</tbody>
</table>

**Square trims**

<table>
<thead>
<tr>
<th>Series / Size</th>
<th>Shape / Type</th>
<th>Details / Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDD Square open downlight with clear diffuse finish and white flange</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDW Square open downlight with white finish and white flange</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBW Square baffle downlight with white finish and white flange</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Certifications:** IC rated for direct contact with thermal insulation. Title 47 part 15 rated. cULus listed for wet locations. RoHS compliant. ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
LyteCaster Adjustable
round apertures

Defining general purpose LED downlights.

Ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame with interchangeable light engine that is offered in two lumen packages. The downlight is damp location listed and comes in 3 standard options.

Features
- Sizes: 4", 5" & 6"
- Efficacy: up to 90 lm/W
- Lumens: 650-2000
- Wattage: 7-20 W
- Voltage: 120V or 120V-277V
- CCT: 2700K-4000K
- CRI: 80 & 90 min.
- Dimming: ELV/TRIAC & 0-10V
- 50,000 hour rated life (L70)

Series / Size / Shape | Lumens | Installations (Airseal IC) | Dimming (Voltage) Version
--- | --- | --- | ---
L4R 4-inch / Round | 650lm | A New construction with screws | E1VA ELV (120V) Version A
L5R 5-inch / Round | 1000lm | AN New construction with nails | Z10UVA 0-10V (Unv 120-277V) Version A
L6R 6-inch / Round | 1500lm | R Remodeler (06R, 10R or 15R)
L5R 5-inch / Round | 700lm | A New construction with screws | 1 ELV/ TRIAC (120V) Warm glow effect (can not specify with adjustable)
L5R 5-inch / Round | 700lm | AN New construction with nails

4" apertures
- 4" housing
- 4 1/4" (111mm) cut out
- 1" (25mm) max

5" apertures
- 5" housing
- 5 1/4" (140mm) cut out
- 1 1/4" (32mm) max

6" apertures
- 6" housing
- 6 1/4" (162mm) cut out
- 1/8" (8mm) max
Available in 3 aperture sizes: 4", 5", & 6". The 4" round delivers 650 and 1000 lumens. The 5" round delivers 1000 and 1500 lumens. The 6" round delivers 1500 and 2000 lumens. All trims provide a 30° tilt adjustability.

<table>
<thead>
<tr>
<th>Series / Size</th>
<th>Shape / Type</th>
<th>Details / Finish¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>L4 LyteCaster 4-inch</td>
<td>RA Round / Adjustable</td>
<td>06 ___ WVA 650lm (CRI/CCT) / White with white flange, Version A</td>
</tr>
<tr>
<td>L5 LyteCaster 5-inch</td>
<td>RA Round / Adjustable</td>
<td>10 ___ WVA 1000lm (CRI/CCT) / White with white flange, Version A</td>
</tr>
<tr>
<td>L6 LyteCaster 6-inch</td>
<td>RA Round / Adjustable</td>
<td>15 ___ WVA 1500lm (CRI/CCT) / White with white flange, Version A</td>
</tr>
</tbody>
</table>

¹ Match CRI / CCT (827, 830, 835, 840, 927) from Light Engine configuration to the "___" placeholder. Warm glow effect is not available with Adjustable trims.

Certifications: IC rated for direct contact with thermal insulation. Title 47 part 15 rated. cULus listed for damp locations. RoHS compliant. ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
LyteCaster Accent
round & square apertures

Design versatility to fit any space.

Available in a variety of round and square accent styles and finishes with efficacies ranging up to 800 lm/W. A wide range of options that allow you to customize your lighting solution to best suit the application.

Features
- Sizes: 3”
- Efficacy: up to 72 lm/W
- Lumens: 800
- Wattage: 11W
- Voltage: 120V or 120V-277V

Housing

Light engine

Trims

<table>
<thead>
<tr>
<th>Series / Size</th>
<th>Installations (Airseal IC)</th>
<th>Dimming</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3 LyteCaster 3-inch accent</td>
<td>New construction with screws (Non-IC)</td>
<td>ELV/TRIAC (10%)</td>
<td>120V</td>
</tr>
<tr>
<td>AN</td>
<td>New construction with nails (Non-IC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C Remodeler (Non-IC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N New construction (Non-IC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Z10</td>
<td>0–10V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U Universal 120/277V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Series / Size</th>
<th>Lumens</th>
<th>CRI / CCT</th>
<th>Beam</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3 LyteCaster 3-inch accent</td>
<td>800 lm</td>
<td>80CRI / 2700K</td>
<td>Spot (17°)</td>
<td>None</td>
</tr>
<tr>
<td>827</td>
<td>80CRI / 3000K</td>
<td>Narrow Flood (22°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>830</td>
<td>80CRI / 3000K</td>
<td>Flood (33°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>835</td>
<td>90CRI / 2700K</td>
<td>Spot (17°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>927</td>
<td>90CRI / 3000K</td>
<td>Narrow Flood (22°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>930</td>
<td>90CRI / 3000K</td>
<td>Flood (33°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CW CrispWhite</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Series / Size</th>
<th>Shape / Type</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3 LyteCaster 3-inch accent</td>
<td>Round</td>
<td>Chrome Cone with white flange</td>
</tr>
<tr>
<td>RD</td>
<td>Downlight</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>RA</td>
<td>Adjustable</td>
<td>White Baffle with white flange</td>
</tr>
<tr>
<td>RLW</td>
<td>Lensed Wall Wash</td>
<td>White Baffle with white flange</td>
</tr>
<tr>
<td>RB</td>
<td>Round</td>
<td>Diffuse Cone with white flange</td>
</tr>
<tr>
<td>RAB</td>
<td>Baffle Adjustable</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>RAP</td>
<td>Round</td>
<td>Diffuse Cone with white flange</td>
</tr>
<tr>
<td>RG</td>
<td>Adjustable Pinhole</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>RS</td>
<td>Round</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>SLW</td>
<td>Square</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>SS</td>
<td>Shower Light</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>SD</td>
<td>Square</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>SA</td>
<td>Downlight</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>SH</td>
<td>Adjustable</td>
<td>White Cone with white flange</td>
</tr>
<tr>
<td>DA</td>
<td>Diffuse Cone with white flange</td>
<td></td>
</tr>
<tr>
<td>DW</td>
<td>Diffuse Cone with white flange</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>White Cone with white flange</td>
<td></td>
</tr>
</tbody>
</table>

1. Remodeler frame is not compatible with adjustable trim.
2. The 3000K (30) and CrispWhite (CW) options must be ordered together.
3. Lensed wall wash (LW) is only available in Narrow Flood (NF) and Flood (F) beam spreads
4. Gimbal (G) trims come with accessory holder (see spec sheets for complete listings of accessories)

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed for wet locations, RoHS compliant, IP rated, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Value-grade
Single Family Residential
SlimSurface LED
Restaurants
LyteCaster LED accent
Multi-Family Residential
Surface-mount downlight
Comprehensive
Downlight luminaires
LyteCaster accent

Restaurants
LyteCaster LED accent

Multi-Family Residential
Surface-mount downlight

Single Family Residential
SlimSurface LED
SlimSurface
round & square apertures

An easy to install architecturally pleasing low profile downlight.

Leverages the latest LED technology, and featuring a similar performance to typical recessed downlights but in a surface mount design. Delivering high lumen output and great visual comfort, this 5/8” surface mount downlight is appealing to both specifiers and contractors.

Features
- Sizes: 4" & 6" square and 5", 7" & 10" round
- Efficacy: up to 94 lm/W
- Lumen: 650, 1000 & 2200
- Wattage: 9W, 12W & 28W
- Voltage: 120V & 120V-277V
- CCT: 2700K-4000K
- CRI: 80 & 90 min.
- Dimming: ELV/TRIAC (10%)
- Lifetime: 50,000 hour (L70)

Square 4" & 6" luminaire
- example: S4S830K7
- example: S6S830K10AL

Round 5", 7" & 10" luminaire
- example: S5R830K7
- example: S7R830K10AL
- example: S10R830K22BK

Luminaire

<table>
<thead>
<tr>
<th>Series</th>
<th>Size / Shape</th>
<th>CRI / CCT</th>
<th>Lumens</th>
<th>Finish</th>
<th>Dimming (Voltage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>4S 4-inch / Square</td>
<td>827K 80CRI / 2700K CCT</td>
<td>650lm (S5R &amp; S4S only)</td>
<td>White</td>
<td>ELV / TRIAC (120V)</td>
</tr>
<tr>
<td>S</td>
<td>5R 5-inch / Round</td>
<td>830K 80CRI / 3000K CCT</td>
<td>1000lm (S7R &amp; S6S only)</td>
<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>6S 6-inch / Square</td>
<td>835K 80CRI / 3500K CCT</td>
<td>2200lm (S10R only)</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>7R 7-inch / Round</td>
<td>840K 80CRI / 4000K CCT</td>
<td>—</td>
<td>Metal</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>10R 10-inch / Round</td>
<td>927K 90CRI / 2700K CCT</td>
<td>—</td>
<td>White</td>
<td>Z10U 0–10V (Universal 120–277V)</td>
</tr>
<tr>
<td>S</td>
<td>930K 90CRI / 3000K CCT</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
</tbody>
</table>

1. The 10" Round (S10R) installs into 4-11/16" J-box (damp location listed)
2. The Metal (MT) finish is only available with 10" Round (S10R) configurations

Certifications: cULus listed for damp locations (covered wall or ceiling and suitable for ceiling mounted wet locations when installed per instructions except for 10"), RoHS compliant, ENERGY STAR® certified.
CorePro LED
round apertures

Less money, bigger impact.
An affordable solution for customers accustomed to the economic price and light output of an incandescent and compact fluorescent system. New construction and Remodeler frame-in kits available.

Features
- Sizes: 4", 5" & 6" round
- Efficacy: 63-89 lm/w
- Lumens: 800-1200
- Wattage: 11W-16W
- Voltage: 120V (50/60 Hz)
- CRI: 80 & 90 min
- CCT: 3000K & 4000K
- Dimming: TRIAC (10%)
- Lifetime: 50,000 hour (L70)

Frame

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Shape</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP</td>
<td>4-inch</td>
<td>R Round</td>
<td>N New Construction (Airseal IC)</td>
</tr>
<tr>
<td>CP</td>
<td>5-inch</td>
<td>R Round</td>
<td>R Remodeler (Airseal IC)</td>
</tr>
<tr>
<td>CP</td>
<td>6-inch</td>
<td>R Round</td>
<td></td>
</tr>
</tbody>
</table>

Luminaire

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Shape</th>
<th>Shape</th>
<th>Lumens, CRI, CCT</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP</td>
<td>4-inch</td>
<td>R Round</td>
<td>B Baffle</td>
<td>07830 800lm, 80CRI, 3000K</td>
<td>W White (matte)</td>
</tr>
<tr>
<td>CP</td>
<td>5-inch</td>
<td>R Round</td>
<td>B Baffle</td>
<td>08830 950lm, 80CRI, 3000K</td>
<td></td>
</tr>
<tr>
<td>CP</td>
<td>6-inch</td>
<td>R Round</td>
<td>B Baffle</td>
<td>07830 800lm, 80CRI, 3000K</td>
<td></td>
</tr>
</tbody>
</table>

Other compatible frames
- 4" aperture
- 5" aperture
- 6" aperture

Certifications: Title 24 rated, cULus listed for wet locations, RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Surface-mount
round apertures

Simple to specify and simpler to install.

Perfect when faced with a challenging ceiling, but a refined-looking LED downlight is required. Look no further. With a modern, clean, slim profile, Lightolier new LED Surface-mount downlight has everything you need.

Features

- Sizes: 5”, 7” round
- Efficacy: min 69 lm/w
- Lumens: 700-1000
- Wattage: 10W-15W
- Voltage: 120V (50/60 Hz)
- CRI: 90 min.
- CCT: 3000K
- Dimming: TRIAC (10%)
- Lifetime: 50,000 hour (L70)

Round 5” luminaire

example: SD5R079301W

Round 7” luminaire

example: SD7R099301W

Luminaire

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Shape</th>
<th>Lumens</th>
<th>CRI</th>
<th>CCT</th>
<th>Voltage</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD</td>
<td>5</td>
<td>R</td>
<td>700lm</td>
<td>9</td>
<td>30</td>
<td>120V</td>
<td>W</td>
</tr>
<tr>
<td>SD</td>
<td>7</td>
<td>R</td>
<td>1000lm</td>
<td>90</td>
<td>3000K</td>
<td>120V</td>
<td>W</td>
</tr>
</tbody>
</table>

Round 5” aperture

ø 5 1/4” 144 mm

Round 7” aperture

ø 7 1/4” 182 mm

Certifications:
IC rated for direct contact with thermal insulation.
Title 24 rated (JAB-2016), cETLus listed for wet locations (ceiling-mounted), RoHS compliant, ENERGY STAR® certified.
Retrofit downlight
round apertures

LED retrofit in a snap.

Installation that is super easy and will save you lots of time and frustration on the job site. You will love how hassle-free this LED downlight is, with a quick connect plug and medium base socket adapter included, you may not even need to open your toolbox.

Features
• Sizes: 4" & 5/6" round
• Efficacy: up to 78 lm/w
• Lumens: 900–1400 lm
• Wattage: 12 W (4"), 18 W (5/6")
• Voltage: 120 V (50/60 Hz)

Round 4" luminaire
example: RD4R089301W

Round 5/6" luminaire
example: RD5R129301W

Luminaire

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Shape</th>
<th>Lumens</th>
<th>CRI</th>
<th>CCT</th>
<th>Voltage</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD</td>
<td>4</td>
<td>R</td>
<td>900 lm</td>
<td>9</td>
<td>30</td>
<td>120 V</td>
<td>W</td>
</tr>
<tr>
<td>RD</td>
<td>5</td>
<td>R</td>
<td>1400 lm</td>
<td>9</td>
<td>30</td>
<td>120 V</td>
<td>W</td>
</tr>
</tbody>
</table>

Compatible 4" frames
3½" (100 mm) min to 4¼" (105 mm) max dia. and 5¼" (142 mm) height
CP4RN/CP4RR & FDIC4V50
P4/P4R/P4ASIC/P4GU/P4RGU
R4/R4R/R4ASICG

Compatible 5/6" frames
5½" (140 mm) min to 6" (152 mm) max dia. and 7½" (188 mm) height
CP6RN/CP6RR/CRINBQP & FD2IC6V90
P6GU/P6RGU/PR75ASIC/PR75JCX
QL6NBQP & 1104IC
1004IC/1004ICR/1004ICNS
1004ICQ/1004ICNQ

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated (Jac-2016). CULus listed (UL 1598) for wet locations (covered ceiling only). RoHS compliant. ENERGY STAR® certified.
Flat downlight
round & square apertures

Bring new depth to your designs.

Provides an easy and quick downlight solution without the traditional frame, reflector and trim. Perfect for installation in existing ceilings or new construction with the benefits of energy saving LED technology.

**Features**

- Sizes: 4" & 6" round and 4" & 6" square
- Efficacy: up to 60 lm/w
- Lumens: 700-900 lm
- Wattage: 12 W (4"), 15 W (6")
- Voltage: 120 V (50/60 Hz)
- CRI: 90 min.
- CCT: 3000K
- Dimming: ELV/TRIAC (10%)
- Lifetime: 50,000 hour (L70)

**Round luminaire**

example: FD4R07930TE1W

**Square luminaire**

example: FD6S09930TE1W

**Certifications:** IC rated for direct contact with thermal insulation. Title 24 rated (JAB-2016), cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Mini Downlight & Gimbal

round apertures

Miniature aesthetic with baffle design.

Easily adjustable below ceiling to highlight the object or surface. The small detachable junction box eliminates the need for a traditional frame or bulky remodeler kit, making installation quick and easy.

Features

- **Sizes:** 3" round
- **Efficacy:** 69 lm/w
- **Lumens:** 550
- **Wattage:** 8W
- **Voltage:** 120V (50/60Hz)
- **CRI:** 90 min.
- **CCT:** 3000K
- **Dimming:** TRIAC (10%)
- **Lifetime:** 50,000 hour (L70)

Fixture

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens</th>
<th>CRI</th>
<th>CCT</th>
<th>Voltage</th>
<th>Beam</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MD3R</strong></td>
<td><strong>06</strong></td>
<td><strong>9</strong></td>
<td><strong>30</strong></td>
<td><strong>1</strong></td>
<td><strong>F</strong></td>
<td><strong>W</strong></td>
</tr>
<tr>
<td>MD3R</td>
<td>Mini downlight 3-inch Round</td>
<td>06</td>
<td>90</td>
<td>3000</td>
<td>120V</td>
<td>F</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens</th>
<th>CRI</th>
<th>CCT</th>
<th>Voltage</th>
<th>Beam</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MG3R</strong></td>
<td><strong>06</strong></td>
<td><strong>9</strong></td>
<td><strong>30</strong></td>
<td>1 20V</td>
<td>W</td>
<td>White</td>
</tr>
<tr>
<td>MG3R</td>
<td>Mini gimbal 3-inch Round</td>
<td>06</td>
<td>90</td>
<td>3000</td>
<td>120V</td>
<td>W</td>
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</tbody>
</table>

Accessories

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>MD</strong></td>
<td><strong>RN</strong></td>
</tr>
<tr>
<td>MD</td>
<td><strong>06C</strong></td>
</tr>
<tr>
<td>MD</td>
<td><strong>20C</strong></td>
</tr>
</tbody>
</table>

3" Mini downlight

3" Mini gimbal

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated (JAB-2016). cETLus listed for damp locations (ceiling-mounted). RoHS compliant. ENERGY STAR® certified and featuring AirSeal for minimal air leakage.
Decorative elements

Utilizes pure geometric forms that feature superior materials in perfect balance.

Vetro decorative elements are a definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance, Vetro Downlights open a world of creative potential. Designed for stand-out style or a reserved minimal look, these downlight accessories offer unlimited scope for a broad variety of applications – all within the same design family.
Comprehensive
Decorative elements

Micro Vetro  For use with Calculite LED 1.75” Micro downlights
round & square apertures  pg. 68

Vetro  For use with Calculite LED 4” & 6” downlights
round apertures  pg. 69

Vetro PM  suspended pendants  pg. 70

Vetro PS  suspended pendants  pg. 71

Vetro PW  wall sconce  pg. 72
Micro Vetro
round & square apertures

Architectural decorative 2” accessories with satin aluminum rings.

Solid forms of decorative transparency teamed with frosted layers and lighting present an elegant look. Light floats upward to create a delicate ceiling wash which adds yet more interest and definition to a space.

D2LR01
Round acrylic with aluminum insert

D2LR02
Round acrylic

D2LR03
Round opal glass

D2LS01
Square acrylic

D2LS02
Square opal glass
The perfect compliment to Calculite downlights. The light from these luminaire accessories is released in layered complexity. Subtle light patterns are revealed as light emanates in differing patterns when viewed from various angles. A satin aluminum ring adds to the finely engineered look.

**For use with Calculite LED 4” downlights**

- **D4A01** Round acrylic with aluminum insert
- **D4A02** Round acrylic
- **D4A03** Round angled double opal glass
- **D4A04** Round opal glass

Trim kit must be ordered separately. All combinations require the appropriate Calculite frames.

**For use with Calculite LED 6” downlights**

- **D6A01** Round acrylic with aluminum insert
- **D6A02** Round acrylic
- **D6A03** Round angled double opal glass
- **D6A04** Round opal glass

Trim kit must be ordered separately. All combinations require the appropriate Calculite frames.
Vetro PM
suspended pendants

A bold statement in light.
Dynamic architectural precision fused with a slender aesthetic delivers superior illumination. These bold pendants present a refined profile to accent select spaces.

PM luminaire

Fixture consists of Power Head + Glass Element + Suspension Kit (see page 73).

PM with PG01
Satin machined aluminum and hand-blown opal glass. A handsome proportion of materials engineered to provide a functional design element and an efficient luminaire.

PM02LW35SAU
with PG01
Power Heads, Glass Element and Suspension Kits ship separately.

Power Heads
Compromised of die-cast and extruded aluminum components with a brushed clear lacquer finish.

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Source</th>
<th>CCT</th>
<th>Finish</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>02</td>
<td>LW LED</td>
<td>27</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>PM Decorative Pendants</td>
<td>24W</td>
<td>U Universal 120/277V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM01</td>
<td>4½&quot; Opal Glass Element (required for all glass options)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Glass Element
A primary diffuser comprised of opal acrylic.

Fixtures consist of Power Head + Glass Element + Suspension Kit (see page 73).

PM01
4½" Opal Glass Element (required for all glass options)

Twopiece machined aluminum housing contains electrical components. Hand-blown Triplex glass provides an even spread of illumination along the length of the glass element.
Vetro PS
suspended pendants

Grace and style in light.

The geometric expression of capturing straight and flared together in a sharp aesthetic enhances select spaces. The bold effect adds definition to its appeal.

PS luminaire

Fixture consists of Power Head + Glass Element + Suspension Kit (see page 73).

PS with SG01L
Satin machined aluminum and hand-blown opal glass provides a basic accent of light to stand alone or designed in arrays.

PS01LW35SAU
with SG01L
Power Heads, Glass Element and Suspension Kits ship separately.

PS with SG03L
Satin machined aluminum and hand-blown opal glass. Parallel lines of the symmetric power head diverge when fused to the conical hand blown glass.

PS01LW35SAU
with SG03L
Power Heads, Glass Element and Suspension Kits ship separately.

Power Heads

Comprised of die-cast and extruded aluminum components with a brushed clear lacquer finish.

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Source</th>
<th>CCT</th>
<th>Finish</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS</td>
<td>01</td>
<td>LW LED</td>
<td>27</td>
<td>SA</td>
<td>U</td>
</tr>
<tr>
<td>Decorative Pendants</td>
<td>8W</td>
<td></td>
<td>3000K</td>
<td>Satin Aluminum</td>
<td>Universal 120/277V</td>
</tr>
<tr>
<td>PS</td>
<td></td>
<td></td>
<td>35</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3500K</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4000K</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Glass Element

A primary diffuser comprised of opal acrylic.

<table>
<thead>
<tr>
<th>Series</th>
<th>Opal Glass Element</th>
<th>(required for all glass options)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG01L</td>
<td>2 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>SG03L</td>
<td>5 1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Two-piece machined aluminum housing contains electrical components. Hand-blown Triplex glass provides an even spread of illumination along the length of the glass element.
Vetro PW
wall sconce

Reflections of uniformity.
A combination of two basic geometric forms, the cylinder and the cone. A source of ambient illumination presented under a cylindrical section of glass.

PW luminaire
Fixture consists of Power Head + Glass Element

Power Heads
Comprised of die-cast and extruded aluminum components with a brushed clear lacquer finish.

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Source</th>
<th>CCT</th>
<th>Finish</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW</td>
<td>01 8W</td>
<td>LW LED</td>
<td>27</td>
<td>SA</td>
<td>U</td>
</tr>
</tbody>
</table>

Glass Element
A primary diffuser comprised of opal acrylic.

<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG01L</td>
<td>10&quot; Opal Glass Element (required for all glass options)</td>
</tr>
<tr>
<td>SG02L</td>
<td>8&quot; Opal Glass Element (required for all glass options)</td>
</tr>
</tbody>
</table>

Two-piece machined aluminum housing contains electrical components. Hand-blown Triplex glass provides an even spread of illumination along the length of the glass element.
Specify-grade
Accessories
suspension kits

Architectural decorative pendant with satin aluminum housings.

Clear, defined, slim and elegant Vetro pendants layer light and air to bring an architectural aesthetic to a variety of spaces. The Vetro look of refined, spare elegance is accomplished with satin machined aluminum paired with hand-blown opal glass.

Close to Ceiling kit

CTC: Close to ceiling kit includes satin aluminum canopy (3” length).

Stem kit

Stem kit includes satin aluminum stem with matching canopy.

ST01: (3ft. length 3/8” diameter).

ST02: (5ft. length 3/8” diameter).

Cable / Cord kit

Cable / Cord kit includes clear jacketed steel braided power cord and metal aircraft cable with satin aluminum canopy.

SK01: Includes 3 solid aluminum lobster claws to neatly secure the steel jacketed power cord to the aircraft cable (10ft. length).

SK02: Includes 4 solid aluminum lobster claws to neatly secure the steel jacketed power cord to the aircraft cable (25ft length).

SK01X5: Same specifications as SK01 (for LED version only). Includes 5-Wire configuration for optional 0-10V dimming.

Track Mount kit

TM01: Track mounting kit includes clear jacketed steel braided power cord and metal aircraft cable (10ft. length). Finish of adapter body is silver powder coat and the adapter mounts to Lightolier Lytespan Track.

Surface Mount kit

SMK: Surface Mount kit mounts the following fixtures directly to the ceiling: PM (6 3/8” diameter).

Downlight Details

Architectural decorative downlights accessories

Decorative element are mechanically secured to the die cast construction ring and the integral reflector from the factory.

Die cast construction ring: Exterior edge of construction ring is visible, satin aluminum finish matches diameter of decorative element for a flangeless appearance. Aluminum die cast finish ring with crisp 90° edges conceals all fasteners for a clean finished appearance.

Integral reflector: 16 ga. aluminum, 50° visual cutoff to lamp and lamp image. Decorative Element is mechanically attached to reflector via die cast ring. Reflector is specular clear for best performance and aesthetics.

Cover glass: 4” Evolution contains high temperature perimeter frost.

Trim kit: For 4” Evolution, trim kit, reflector and decorative element ship complete.

Frame-in kit: Specified separately. See frame-in kit specification sheet for details.

Labels

Decorative Pendants and Downlight Elements are cULus Listed. Suitable for Damp Locations.
We offer a wide variety of track luminaires to fit any of your project needs: from retail to residential to commercial.

As the LED technology continues to evolve, Lightolier integrated LED track luminaires are more compact and versatile than ever before. From general lighting to accent lighting, there are a variety of product families to choose from that can provide the right lighting for the right application, all with the trusted Lightolier quality.

All LED track luminaires feature a rated lifetime of 50,000 hours at 70% lumen maintenance along with a 5-year limited warranty. All product families are UL Listed and most configurations comply with ENERGY STAR® certification. Most luminaires offer aluminum, matte white and matte black finishes.
Comprehensive Track luminaires

**Specification-grade**

- Alcyon vertical track mount pg. 76
- Alcyon horizontal track mount pg. 80
- OmniSpot track mount pg. 82

**Performance-grade**

- Spot LED track mount pg. 86
- LyteFlood track mount pg. 90

**Value-grade**

- Gimbal LED track mount pg. 91
- Track Head track mount pg. 94
- CorePro LED track mount pg. 92
- Tangent track mount pg. 96
Alcyon vertical

Taking LED accent lighting to the next level

Alcyon LED vertical is a single-optic LED platform designed with a balance of form, function and visual comfort. Its industry leading efficacy and candlepower levels offer customers a low energy consumption solution that provides maximum light output at minimum watts per square foot.

Features

- Efficacy: Up to 93 lm/W at 3000K
- Lumens (Watts): 900lm (9W), 1300lm (14W), 2000lm (21W), 3000lm (34W)
- Correlated Color Temp (CCT): 2700K, 3000K, 4000K
- Color Rendering Index (CRI): 80-90
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90CRI/3000K
- Prospec: 90CRI/3000K combination

Components

1. Fixture
2. Reflector
3. Accessory holder
4. Accessory spring
5. Diffusion filters
6. Hex cell louver
7. Snoot
8. Aperture ring

Fixtures

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens (W)</th>
<th>CRI/CCT</th>
<th>Adapters</th>
<th>Finishes</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLAV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LLAV Alcyon LED vertical

- 01: 900lm (9W)
- 11: 1300lm (14W)
- 20: 2000lm (21W)
- 30: 3000lm (34W)

Components

- 27: 80CRI/2700K
- 30: 80CRI/3000K
- 40: 80CRI/4000K
- 927: 90CRI/2700K

Options

- Lightolier
- Halo
- Juno
- Prospec

- AL Alum
- WH White
- BK Black
- CW CrispWhite

1. All fixtures are painted with matte finishes.
2. Prospec is only offered in White (WH) and Black (BK)
3. CrispWhite (CW) is only available with 90CRI / 3000K CCT (930)

Reflector

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens (Watts)</th>
<th>Beam spreads</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLAV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LLAV Alcyon LED vertical

- 11: 900lm (9W)
- 1300lm (14W)
- 2000lm (21W)
- 3000lm (34W)

Beam spreads

- RNS: 10° Narrow Spot
- RS: 18° Spot
- RF: 24° Narrow Flood

Options

- 11° Narrow Spot
- 17° Spot
- 24° Narrow Flood
- 36° Flood

Interchangeable reflectors along with the widest range of accessories help designers customize the light output to create the perfect environment and to offer added flexibility.

Accessories

<table>
<thead>
<tr>
<th>Series</th>
<th>Finishes</th>
</tr>
</thead>
</table>
| LLAV11AH for 9W, 14W & 21W series | AL Aluminum
- WH Matte White
- BK Matte Black |
| LLAV12AH for 34W series | AL Aluminum
- WH Matte White
- BK Matte Black |
| LLAV11 for 9W, 14W & 21W series | LS Linear Spread
- SY Symmetrical Spread
- SF Soft Focus
- FR Frosted Etched |
| LLAV12 for 34W series | AL4HC for 34W series |

Mounting

Compatible with all Monopoint, Multipoint, recessed track, suspension track, suspension stems, sloped ceiling adapters as well as Basic, Advent and Radius track systems. Ceiling and horizontal or vertical wall mounted.

Complete product is comprised of a fixture, reflector and a combination of optional accessories.
Flexibility in lumen output and beam angle allows for optimal lighting designs including extremely tight accent applications.

**LLAV01 & LLAV11**

*900 lm (9 W) & 1300 lm (14 W)*

- **Aluminum**
- **Matte White**
- **Matte Black**

1000 lm 10° RNS (Narrow Spot) delivers more than 24,000 CBCP (Center Beam Candlepower) for excellent visual punch.

**LLAV20**

*2000 lm (21 W)*

**LLAV30**

*3000 lm (34 W)*

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheets LLAV01, LLAV11, LLAV20, or LLAV30 for additional drawings and information.
Alcyon vertical recessed multiple

Taking LED accent lighting to the next level.

Alcyon LED vertical recessed is a three-part system designed to offer high-performing, target illumination to meet today’s accent lighting needs. This recessed lighting utilizes the same LED technology and reflectors as the track heads, providing performance consistency and design continuity within a space.

Features
- Efficacy: Up to 60 lm/W at 3000K
- Lumens (Watts): 600 lm (10 W), 1000 lm (20 W), 2000 lm (30 W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 4000K
- Color Rendering Index (CRI): 80–85
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black (with white flanges)
- Dimming: 0–10V
- Aiming: Tool-less aiming, tilt and pull-down design
- Seamless ceiling integration: Semi-recessed or Fully-recessed

Components
1. Frame
2. Fixture
3. Reflector
4. Accessory holder
5. Accessory spring
6. Diffusion filter
7. Hex cell louver
8. Snoot
9. Aperture ring

Frame
- Series: LLAVRM
- Lumens (Watts)
  - 11: 600 lm (10 W), 1000 lm (20 W)
  - 12: 2000 lm (30 W)
- Heads: H1 = 1 head, H2 = 2 head, H3 = 3 head, H4 = 4 head
- Voltages: 120V, 277V

Fixture
- Series: LLAVRM
- Finishes: WH = White, BK = Black
- Lumens (Watts)
  - 1: 600 lm (10 W)
  - 11: 1000 lm (20 W)
  - 12: 2000 lm (30 W)
- CCT: 2700K, 3000K, 4000K
- Heads: H1 = 1 head, H2 = 2 head, H3 = 3 head, H4 = 4 head

Reflector
- Series: LLAV
- Lumens (Watts)
  - 11: 600 lm (10 W), 1000 lm (20 W)
  - 12: 2000 lm (30 W)
- Beam spreads: RNS = 10° Narrow Spot, RS = 18° Spot, RNF = 24° Narrow Flood, RF = 36° Flood

Accessories
- Example: 23SNT6BK
- Series
- Finishes

Accessory holders
- LLAV11AH for 10 W & 20 W series
- LLAV12AH for 30 W series

Snoots
- LLAV11SN for 10 W & 20 W series
- 23SNT6 for 30 W series

Diffusion filters
- LLAV11 for 10 W & 20 W series
- LLAV12 for 30 W series

Color filters
- ADF4 for 10 W & 20 W series
- LLAHCA11 for 10 W & 20 W series
- AL4HC for 30 W series

1. All fixtures are painted with matte finishes.

Complete product is comprised of a frame, fixture, reflector and a combination of optional accessories.
Alcyon horizontal

Clean architectural design

Alcyon LED horizontal is ideal for display, accent, and task lighting. This track luminaire offers higher efficiency than conventional sources providing energy savings.

Features
- Efficacy: Up to 78 lm/W at 3000K
- Lumens (Watts): 1100 lm (15W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 80-90
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90 CRI/3000K combination

Specifications
- Lumens (Watts): 1100 lm (15W)
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90 CRI/3000K combination

Complete product is comprised of a fixture and reflector. See specification sheet LLAH for additional drawings and information.

Certifications: cULus listed, ENERGY STAR® certified.
Retail
OmniSpot LED track mount
Comprehensive
Track luminaires
Alcyon horizontal
Performance-grade
OmniSpot

Small is the new big

The smooth, contemporary style eliminates the need for heat sink fins to complement accent lighting designs from subtle to bold. Unlike all other track luminaires, OmniSpot’s driver is integrated directly in the housing, for sleek compactness without distracting bulkiness.

Features

- Efficacy: Up to 108 lm/W at 3000K
- Lumens (Watts): 600lm (6W), 1000lm (12W), 2000lm (25W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 80-90
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite & PremiumColor: 90 CRI/3000K combination

Fixtures

<table>
<thead>
<tr>
<th>Series</th>
<th>Adapters</th>
<th>Lumens</th>
<th>CRI/CCT</th>
<th>Finishes</th>
<th>Dimming</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC OmniSpot LED cylinder</td>
<td>Lightolier C Capri H Halo J Juno P Prospec GT Global TE</td>
<td>06 600lm 10 1000lm 20 2000lm</td>
<td>827 80 CRI/2700K 830 80 CRI/3000K 835 80 CRI/3500K 840 80 CRI/4000K 927 90 CRI/2700K 930 90 CRI/3000K</td>
<td>AL Aluminum W Matte White BK Matte Black</td>
<td>TE Trailing edge (ELV)</td>
<td>— None (leave blank)</td>
</tr>
</tbody>
</table>

Reflectors (order separately)

<table>
<thead>
<tr>
<th>Series</th>
<th>Beam spreads</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLM for 600lm &amp; 1000lm</td>
<td>11°/12° Narrow Spot² RS 18° Spot RNF 24° Narrow Flood RF 36° Flood</td>
</tr>
<tr>
<td>LLAV11 for 2000lm</td>
<td></td>
</tr>
</tbody>
</table>

Accessories³ (order separately)

<table>
<thead>
<tr>
<th>Series</th>
<th>Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC10SN for 600lm &amp; 1000lm</td>
<td>AL Aluminum WH Matte White BK Matte Black</td>
</tr>
<tr>
<td>LC20SN for 2000lm</td>
<td></td>
</tr>
<tr>
<td>LC10AH for 600lm &amp; 1000lm</td>
<td>AL Aluminum WH Matte White BK Matte Black</td>
</tr>
<tr>
<td>LC20AH for 2000lm</td>
<td></td>
</tr>
<tr>
<td>LC10HC for 600lm &amp; 1000lm</td>
<td></td>
</tr>
<tr>
<td>LC20HC for 2000lm</td>
<td></td>
</tr>
</tbody>
</table>

OmniSpot is currently the only track luminaire to feature a sleek one-arm mount that attaches easily to almost any manufacturer’s track rail, and provides less than one inch of space between the track head and track rail.

1. Prospec and Capri adapters are not available with aluminum finish. Capri adapter will be available in May 2017.
2. Reflector LLM has a 12° and LLAV11 has a 11° Narrow Spot.
3. Aperture ring on the fixture can hold a max of 1 film and 1 snoot.
4. Accessory holder can hold a max of 1 hex cell, 1 film, and 1 snoot.
5. Hex cell louver needs to be ordered with an Accessory holder.

Moving and adjusting the track luminaire is simple and quick, without the need for specialized equipment or training. With reliable, focused optics, it’s easy to use accent lighting to create spaces that set you apart from the crowd.

82 Lightolier
Performance-grade
Ideal for new projects or as retrofits onto a variety of existing track rail systems, and are convenient alternatives to invasive recessed multiples, limited gimbal systems and wasteful halogen lamps.

**LC06 & LC10**

600 lm (6 W) & 1000 lm (12 W)

- **Aluminum**
- **Matte White**
- **Matte Black**

**LC20**

2000 lm (25 W)

- **Aluminum**
- **Matte White**
- **Matte Black**

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheets **LC06, LC10, or LC20** for additional drawings and technical information.
OmniSpot
recessed multiple

Small is the new big

Designed to meet the most demanding lighting challenges with discreet aesthetics while providing a high center beam candlepower – all while being neatly hidden in a ceiling for a clean streamlined look.

Features
- Efficacy: Up to 83 lm/W at 3000K
- Lumens (Watts): 600 lm (8W), 1000 lm (12W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 80-90
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- Crisp White: 90 CRI/3000K combination

Components
- 1. Adapter
- 2. Fixture
- 3. Optic

Components
- LCRM10H2
- LLMRNS
- LC10930H2BKZ10U

Frame

<table>
<thead>
<tr>
<th>Series</th>
<th>Styles</th>
<th>Lumens</th>
<th>Heads</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC</td>
<td>RM</td>
<td>10</td>
<td>H1</td>
</tr>
<tr>
<td>LC</td>
<td>RM</td>
<td>600lm &amp; 1000lm</td>
<td>H1, H2, H3, H4</td>
</tr>
</tbody>
</table>

Reflector

<table>
<thead>
<tr>
<th>Series</th>
<th>Beam spreads (ordered separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLM</td>
<td>RNS: 11° Narrow Spot, RS: 18° Spot, RNF: 24° Narrow Flood, RF: 36° Flood</td>
</tr>
</tbody>
</table>

Fixtures

<table>
<thead>
<tr>
<th>Series</th>
<th>Styles</th>
<th>Lumens</th>
<th>CRI/CCT</th>
<th>Heads</th>
<th>Finishes</th>
<th>Flanges</th>
<th>Dimming/Voltage</th>
</tr>
</thead>
</table>

Accessories

<table>
<thead>
<tr>
<th>Series</th>
<th>Finishes/Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC10AH</td>
<td>Accessory holder: WH: Matte White, BK: Matte Black</td>
</tr>
<tr>
<td>LC10SN</td>
<td>Snoot: WH: Matte White, BK: Matte Black</td>
</tr>
<tr>
<td>7472</td>
<td>Hex cell: Matte Black</td>
</tr>
</tbody>
</table>

Complete product is comprised of a fixture, reflector, and a combination of optional accessories.

1. Aperture ring on the fixture can hold a maximum of 1 film and 1 snoot.
2. Accessory holder can hold a maximum of 1 hex cell, 1 film, and 1 snoot.
3. Hex cell needs to be ordered with an Accessory holder.
H1
1 head

H3
1 head

H2
2 head

H4
4 head

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheets LCRM for additional drawings and technical information.
Spot LED

The perfect balance between energy savings and visual performance

A high brightness LED track solution in a multi-optic LED design. Ideal for customers concerned with energy, beam quality and visual performance. Multiple accessories available to customize the light output and visual appearance of the fixture.

**Features**
- Efficacy: Up to 78 lm/W at 3000K
- Lumens (Watts): 600lm (10W), 1000lm (14W), 2000lm (28W), 3000lm (39W)
- Correlated Color Temp (CCT): 2700K, 3000K, 4000K
- Color Rendering Index (CRI): 80-85
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)

**Components**
- 1. Fixture
- 2. Diffusion filter
- 3. Hex cell louver
- 4. Snoot
- 5. Accessory holder

**Fixture**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens (W)</th>
<th>CCT</th>
<th>Beam spreads</th>
<th>Adapters</th>
<th>Finishes</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLAB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spot LED</td>
<td>S 600lm (10W)</td>
<td>27K</td>
<td>9° Spot, 20° N. Flood</td>
<td>AL, WH, BK, VA</td>
<td>Alum., White, Black</td>
<td></td>
</tr>
<tr>
<td>0 1000lm (14W)</td>
<td>27K</td>
<td>9° Spot, 20° N. Flood</td>
<td>AL, WH, BK, VA</td>
<td>Alum., White, Black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 2000lm (28W)</td>
<td>27K</td>
<td>8° Spot, 20° N. Flood</td>
<td>AL, WH, BK, VA</td>
<td>Alum., White, Black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 3000lm (39W)</td>
<td>27K</td>
<td>8° Spot, 23° N. Flood</td>
<td>AL, WH, BK, VA</td>
<td>Alum., White, Black</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. All fixtures are painted with matte finishes.
2. GES adapter is not available with LLABS.

**Accessories**

- **Accessory holders**
  - LLABSAH for 10W & 14W series
  - 8595 for 28W
  - LLAB1AH for 39W series

- **Snoots**
  - 23N30, 23N6 for 10W & 14W series
  - 23NT6 for 28W & 39W series

- **Diffusion filters**
  - AF3, AF4 for 10W & 14W series
  - ADF3, ADF4 for 28W & 39W series

- **Color filters**
  - AL3HC for 10W & 14W series
  - AL4HC for 28W & 39W series

**Customization**

Compatible with 4, 9 & 12 LED array track luminaires

- Shown with matte black accessory holder, aluminum snoot and hex cell louver.
- Shown with matte black accessory holder and hex cell louver.
- Shown with matte black accessory holder and aluminum snoot.
See specification sheets LLABS, LLAB0-VA, LLAB1-VA, or LLAB3-VA for additional drawings and technical information.
Spot LED recessed multiple

The perfect balance between energy savings and visual performance

Spot LED recessed is a two-part system that offers a high-performing architectural approach to demanding accent lighting needs. Multiple heads provide 360° rotation and 90° tilt with the flexibility to both harness and focus light in the built environment.

Features
• Efficacy: Up to 84 lm/W at 3000K
• Lumens (Watts): 1000 lm (13W), 1600 lm (22W)
• Correlated Color Temp. (CCT): 2700K, 3000K, 4000K
• Color Rendering Index (CRI): 80–85
• Beam spreads: Spot, Narrow Flood, Flood
• Finishes: Matte White, Matte Black

Components
1. Frame
2. Trim
3. Diffusion filter
4. Hex cell louver
5. Snoot
6. Accessory holder

Frame

<table>
<thead>
<tr>
<th>Series</th>
<th>Lengths</th>
<th>Finishes</th>
<th>Lumens (Watts)</th>
<th>CCT</th>
<th>Heads</th>
<th>Beam spreads</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLABR</td>
<td>9&quot; for 1 head</td>
<td>WH Matte White, BK Matte Black</td>
<td>1000 lm (13W) 9 LED array</td>
<td>2700K</td>
<td>H1 1 head</td>
<td>RS 10° Spot</td>
<td>VA Version A</td>
</tr>
<tr>
<td></td>
<td>17&quot; for 2 head</td>
<td></td>
<td>1600 lm (22W) 12 LED array</td>
<td>3000K</td>
<td>H2 2 head</td>
<td>RNF 22° Narrow Flood</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot; for 3 head</td>
<td></td>
<td></td>
<td>4000K</td>
<td>H3 3 head</td>
<td>RF 36° Flood</td>
<td></td>
</tr>
<tr>
<td></td>
<td>32&quot; for 4 head</td>
<td></td>
<td></td>
<td></td>
<td>H4 4 head</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Trim

<table>
<thead>
<tr>
<th>Series</th>
<th>Lengths</th>
<th>Finishes</th>
<th>Flanges</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLABR</td>
<td>9&quot; for 1 head</td>
<td>WH Matte White, BK Matte Black</td>
<td>W With flange FT Flangeless trim</td>
</tr>
<tr>
<td></td>
<td>17&quot; for 2 head</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot; for 3 head</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>32&quot; for 4 head</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mud-in kit

<table>
<thead>
<tr>
<th>Series</th>
<th>Lengths</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLABR</td>
<td>9&quot; for 1 head</td>
<td>MK</td>
</tr>
<tr>
<td></td>
<td>17&quot; for 2 head</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24&quot; for 3 head</td>
<td></td>
</tr>
<tr>
<td></td>
<td>32&quot; for 4 head</td>
<td></td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Series</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>8595</td>
<td>for 13W series</td>
</tr>
<tr>
<td>LLAB1AH</td>
<td>for 22W series</td>
</tr>
</tbody>
</table>

Snoots

<table>
<thead>
<tr>
<th>Series</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>23SNT6</td>
<td>for 13W &amp; 22W series</td>
</tr>
</tbody>
</table>

Diffusion filters

<table>
<thead>
<tr>
<th>Series</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF4</td>
<td>for 13W &amp; 22W series</td>
</tr>
</tbody>
</table>

Color filters

<table>
<thead>
<tr>
<th>Series</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADF4</td>
<td>for 13W &amp; 22W series</td>
</tr>
</tbody>
</table>

1. Consult factory for 4000K (40) CCT option availability.
2. Accessories are not ENERGY STAR® qualified.
3. Color filters will project colored light on ceiling.

Complete product is comprised of a frame, trim, mud-in kit (optional) and a combination of optional accessories.
Comprehensive Track luminaires
Spot LED recessed multiple

See specification sheet LLABR for additional drawings and technical information.

Certifications: cULus listed, ENERGY STAR® certified.
LightFlood

Delivers a powerful, uniform punch of light.

LightFlood LED is a linear flood fixture that delivers a powerful, uniform beam and high efficacy for wall washing.

**Features**
- Efficacy: Up to 100 lm/W at 3000K
- Lumens (Watts): 2000lm (23W), 4000lm (45W)
- Correlated Color Temp (CCT): 2700K, 3000K, 4000K
- Color Rendering Index (CRI): 80
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV) and TRIAC

**Fixtures**

<table>
<thead>
<tr>
<th>Series</th>
<th>Lumens (Watts)</th>
<th>CCT</th>
<th>Adapters</th>
<th>Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LLF LightFlood LED</td>
<td>2 2000lm (23W)</td>
<td>2700K*</td>
<td>Lightolier</td>
<td>AL Aluminum</td>
</tr>
<tr>
<td></td>
<td>4 4000lm (45W)</td>
<td>3000K</td>
<td>J Juno</td>
<td>WH Matte White</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4000K</td>
<td>H Halo</td>
<td>BK Matte Black</td>
</tr>
</tbody>
</table>

* Consult with factory for 2700K.

**Accessories**

<table>
<thead>
<tr>
<th>Series</th>
<th>Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLF2LV</td>
<td>BK Matte Black</td>
</tr>
<tr>
<td>LLF2VS</td>
<td>AL Aluminum, WH Matte White, BK Matte Black</td>
</tr>
</tbody>
</table>

**Mounting**

For use with Radius, Basic and Advent track. For monopoint applications refer to specification sheet 6170 and 6190 (will require two monopoints). Not compatible with extension wands, multipoint, ProSpec track, clamp-on monopoint or sloped ceiling adapter.

**Certifications:** cULus listed, ENERGY STAR® certified.
Gimbal LED

Clean design for a close fit.

Gimbal LED offers a specifically designed form to create a close fit with LED lamps featuring a miniaturized detailed yoke and ring-shaped lampholder.

Features
- **Finishes**: Aluminum, Matte White, Matte Black
- **Lamping**: Front re-lamping for easy maintenance
- **Adjustments**: Adjusts horizontally up to 350° and vertically up to 90°

9030N

![9030N Fixture](image)

- **Aluminum**
- **Matte White**
- **Matte Black**

- **Actual size**
  - 4" = 102 mm
  - 6 1/8" = 162 mm

9038N

![9038N Fixture](image)

- **Aluminum**
- **Matte White**
- **Matte Black**

- **Actual size**
  - 5 5/8" = 143 mm
  - 8 1/8" = 203 mm

**ExpertColor lamps**

Visit Philips.com/ExpertColor for information about PAR30 LED lamps or contact your Philips representative for other LED lamping options.

Visit Philips.com/ExpertColor for information about PAR38 LED lamps or contact your Philips representative for other LED lamping options.

**Certifications**:
cULus listed, ENERGY STAR® certified.

**Fixture**

<table>
<thead>
<tr>
<th>Series</th>
<th>Example 4030NWH</th>
</tr>
</thead>
<tbody>
<tr>
<td>9030N</td>
<td>Par30 AL</td>
</tr>
<tr>
<td>9038N</td>
<td>Par38 WH</td>
</tr>
</tbody>
</table>

Order lamp separately: 75W PAR30 maximum and 120W PAR38 maximum.

**Complete product is comprised of a fixture with no accessories. See specification sheet 9030N or 9038N for additional drawings and information.**
CorePro LED

A completely integrated LED luminaire

This mini cylinder delivers both lumen and CBCP performance equivalent to that of most 50W MR16 halogen luminaires while consuming 82% less energy and providing easy maintenance. The completely integrated driver, thermal management, and unitized optics provide sleek aesthetics while delivering a uniform beam, making it the easy choice for many retail, residential, and hospitality accent lighting needs.

Features
- **Efficacy**: Up to 107 lm/W at 3000K
- **Lumens (Watts)**: 900 lm (9 W)
- **Correlated Color Temp. (CCT)**: 2700K, 3000K
- **Color Rendering Index (CRI)**: 80-90
- **Beam spreads**: Narrow Flood, Wide Flood
- **Finishes**: Aluminum, Matte White, Matte Black
- **Dimming**: Trailing edge (ELV)
- **CrispWhite**: 90 CRI/3000K combination

Components
1. Adapter
2. Fixture
3. Optic

**Fixtures**

<table>
<thead>
<tr>
<th>Series</th>
<th>Adapters</th>
<th>Lumens (Watts)</th>
<th>Beam spreads</th>
<th>CRI/CCT</th>
<th>Finishes</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT</td>
<td>LT08</td>
<td>900 lm (9 W)</td>
<td>RNF 23° Narrow Flood RWF 35° Wide Flood</td>
<td>827 80CRI/2700K, 830 80CRI/3000K, 927 90CRI/2700K, 930 90CRI/3000K</td>
<td>AL Aluminum¹, WH Matte White, BK Matte Black</td>
<td>None (leave blank) CW CrispWhite², PC PremiumColor²</td>
</tr>
<tr>
<td>LT CorePro LED mini cylinder</td>
<td>Lightolier C Capri¹ H Halo J Juno</td>
<td>LT08</td>
<td>LT08 9000 lm (9 W) RNF 23° Narrow Flood RWF 35° Wide Flood</td>
<td>827 80CRI/2700K, 830 80CRI/3000K, 927 90CRI/2700K, 930 90CRI/3000K²</td>
<td>AL Aluminum¹, WH Matte White, BK Matte Black</td>
<td>None (leave blank) CW CrispWhite², PC PremiumColor²</td>
</tr>
</tbody>
</table>

1. The Capri (C) adapter is not available with an Aluminum (AL) finish.

For other configurations and variations please contact the factory.

**Designed with simplicity in mind**

Constructed of extruded aluminum and steel with a powder-coated finish. Available beam patterns include 20° narrow and 35° wide floods. By combining the optics, light source, thermal management system and driver into a single housing, this luminaire provides a sleek look suitable for lower mounting heights and smaller spaces. Additional design features includes ELV dimming and compatible track adapters.
LT08
900 lm (9 W)

Track Adapters

The product line offers a range of competitor adapters for retrofit and renovation projects to improve ROI by not replacing existing track installations and limiting down time during the install.

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheet LT08 for additional drawings and technical information.
Track Head

The light you want at the budget you need

Lightolier LED Track Head is the latest budget-friendly addition to track lighting. This pint-sized cylinder delivers great performance compared to halogen, while consuming less energy. The Track Head driver is completely integrated, has engineered optics and a thermal management system which deliver a uniform, targeted beam of light. When it comes to track lighting, this is an easy choice.

Features

- Efficacy: Up to 89 lm/W at 3000K
- Lumens (Watts): 1100 lm (16W) & 3000 lm (38W)
- Correlated Color Temp. (CCT): 3000K
- Color Rendering Index (CRI): 90 min
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black
- Dimming: Trailing edge (ELV) and TRIAC down to 10%

Components

1. Adapter
2. Fixture
3. Optic

Components example: THL10930NF1W

<table>
<thead>
<tr>
<th>Family</th>
<th>Adapter</th>
<th>Lumens</th>
<th>CRI</th>
<th>CCT</th>
<th>Beam</th>
<th>Voltage</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH</td>
<td>J</td>
<td>1100</td>
<td>9</td>
<td>30</td>
<td>Spot</td>
<td>120V</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Juno</td>
<td>3000</td>
<td>9</td>
<td>30</td>
<td>NF</td>
<td></td>
<td>B</td>
</tr>
</tbody>
</table>

| TH10   | 1100 lm (14 & 16W) |
|        | 76 mm |
|        | 6 7/8" 172 mm |
|        | 3 3/4" 85 mm |

| TH30   | 3000 lm (36 & 38W) |
|        | 76 mm |
|        | 7 1/8" 189 mm |
|        | 3 3/4" 85 mm |

Complete product is comprised of a fixture with no accessories.
TrackHead Advantages

High lumens & low wattage at a fraction of the cost of other LED track lighting solutions

Provides the efficiency, output and lifetime only an integrated LED solution can offer

Easy installation with no need to replace halogen lamps and bi-pin sockets

Compact housing and integrated LED solution provides a clean, sleek look, that doesn’t draw attention away from where it’s needed

Certifications: CETLus listed, ENERGY STAR® certified.

See specification sheet TH for additional drawings and technical information.
Tangent delivers the performance and convenience of line voltage in a profile no larger than most low voltage rail systems and is ideal for commercial, retail, and residential applications. It may be surface mounted or suspended, in straight runs.

Low Voltage
Each Tangent luminaire is designed and constructed for superior performance, clean architectural styles and quality. Low voltage utilizes a wide variety of lamps including MR16, AR111, and T3. Fixture options include spots, floods, adjustable suspended sports, and miniature decorative pendants.

Available finish
- AL Aluminum

Mini Cylinder FX16C
Soft Cone FX16S
Micro Flood FXT4F
Bare Lamp FXA1B

Line Voltage
Line voltage utilizes a variety of lamps including MR16 and T4 options. Tangent features minimal styling, and simple, easy relamping. There is an infinite horizontal rotation.

Available finish
- AL Aluminum

Soft Cone FX16S
Open Ring FXESRN

ExpertColor lamps
Visit Philips.com/ExpertColor for information about MR16 LED lamps or contact your Philips representative for other LED lamping options.

MR16 conventional to LED sources
50W halogen
7W S10 90CRI LED
ExpertColor
7W F25 90CRI LED
ExpertColor
7W F35 90CRI LED
ExpertColor

7W S10 90CRI LED
470138 (2700K)
470146 (3000K)
470153 (4000K)
7W F25 90CRI LED
470161 (2700K)
470179 (3000K)
470187 (4000K)
7W F35 90CRI LED
470195 (2700K)
470203 (3000K)
470211 (4000K)
Tangent Surface Mount track systems

Surface Mount
Innovative side by side buss-bars minimize overall height and allow Tangent to be mounted directly to ceilings and walls without bulky stand-offs. Tangent line voltage track is rated for a full 20 amps at 120V. Tangent may be installed in an infinite variety of configurations. Surface mounted on ceilings or walls, or suspended from wire or stems, in straight or curved patterns. Tangent may be field bent to a minimum radius of 3 feet allowing for a diverse variety of custom configurations for any application.

Surface mount beam
| FX04   | Silver, plain surface 4’ track |
| FX08   | Silver, plain surface 8’ track |
| FX12   | Silver, plain surface 12’ track |

For mounting directly to ceilings or walls. Extruded aluminum/polycarbonate construction. Includes two end caps as shown. Anchors/mounting clips not included (order separately).

Surface mounting anchor
FX25   Silver
Mounts track to hard ceilings/walls. Pack of 5 anchors with hex wrench.

Regressed-edge clips
FX87   Silver
For regressed-edge grid ceilings. Pack of 5 clips with hex wrench.

Square-edge clips
FX89   Silver
For square-edge grid ceilings. Pack of 5 clips with hex wrench.

Power feed
FX48   Silver
Surface power feed supplies power anywhere along track. For direct wiring without a j-box.

Surface power feed
| FX61   | Silver |
| FX61WH | White |
Surface power feed from J-Box. Supplies power anywhere along track. Includes canopy cover for j-box.

Surface power feed
| FX96   | Silver |
| FX96WH | White |
Grid ceiling power feed Supplies power anywhere along track. Mounts directly to grid ceiling runners. Includes canopy cover for J-box.

Surface Powertrip
FX99   Silver
Powertrip feed kit for surface track. Compatible with PLD plug in breakers.

In-line connector
| FX54   | Silver, electrical/mechanical |
| FX54   | Connects surface track in straight runs with continuous power |
| FX55   | Silver, mechanical only |
| FX55   | Connects surface track in straight runs without continuous power |

Note: Not a power feed device.

Variable angle connector
| FX53   | Silver, electrical/mechanical |
| FX52   | Silver, mechanical only |
Connects surface track to provide flexibility when creating patterns with continuous power.

Note: Not a power feed device.
Tangent Suspension track systems

Suspension Truss and Beam
Crisp architectural design is ideal for suspended applications where a larger profile is desired. Tangent perforated truss makes a dramatic statement in suspended applications with a unique “engineered” aesthetic.

Suspension truss
FXT08 Silver, clear anodized plain 8’ truss
For suspension from cable or stem kits. Extruded aluminum/polycarbonate construction. Includes two end caps as shown. Power feed and suspension kits sold separately.

Suspension beam
FXS04 Clear anodized plain beam 4’ track
FXS08 Clear anodized plain beam 8’ track
FXS12 Clear anodized plain beam 12’ track

In-line connector
FXS54 Silver, electrical/mechanical
Connects suspension beam or truss in straight runs with continuous power.

Cable suspension
FXS68 Silver, 8’ adjustable stainless steel aircraft cable. Installs on hard or grid ceilings. Ceiling canopy included.
Note: Not a power feed device. For suspension only. Cable Kits are required a minimum of every 6 feet on Suspended Beam or Truss track. Cable Kits include one suspension point each; order accordingly. Consult specification sheet #FXS for installation details.

Stem suspension
FXS84 Silver, 18” Stem suspension kit
FXS86 Silver, 48” Stem suspension kit
Note: Not a power feed device. For suspension only. Stem Kits are required a minimum of every 6 feet on Suspended Beam or Truss track. Stem Kits include one suspension point each; order accordingly. Consult specification sheet #FXS for installation details. The 1/4” diameter solid steel stem install on hard or grid ceilings. Ceiling canopy included.

Variable angle connector
FXS53 Silver, electrical/mechanical
FXS52 Silver, mechanical only
Connects surface track to provide flexibility when creating patterns with continuous power.
Note: Not a power feed device.

Stems may be field shortened.

Power feed
FXS67 Silver, 20A feed supplies power anywhere along track
The 10’ power cable may be field shortened. Includes canopy cover for J-box.
Note: Not a power suspension device. For power feed only.

Suspended Powertrip
FXS99 Silver
Powertrip feed kit for suspended track. Compatible with PLD plug in breakers.
While continually improved over the years, our original track design from 1961 remains intact. Every Lightolier track luminaire today will work on the very first piece of track we ever produced.

We use the original design because of the unique “C” channel conductor which allows for robust connectivity and longer durability, making Lightolier track superior to any competitor. The conductor prevents arcing – when the track luminaire loses connection to the track. Lytespan track has three standard track system options: Radius, Basic, and Advent.
Sleek and streamlined

Radius is the slimmest track option that allows it to virtually disappear into the ceiling and blend easily into any decor.

### Features
- Single circuit with capacity of 20 amps at 120V
- Surface or stem mount options
- Can be used in runs or patterns
- Can be field cut

### Outlet Box Cover
- 9060 (BK & WH) 1-3/8" W by 1/2" H
  - Includes one dead end cover and hardware.

### Surface Feed (live end included)
- 9147 (BK & WH) Includes Live End
  - For feeding power from surface conduit with 1/2" - 14 IPS connector (by others).

### Live End Power Feed
- 9148 (BK & WH)
  - Electrifies track from beginning of run.

### Mini-Coupler
- 9149 (BK & WH)
  - Invisible spline for joining two track sections. Not a power feed point.

### Flush Non-Feed
- 9150 (BK & WH)
  - Includes both straight & 90° cover

### T-Feed
- 9151 (BK & WH)
  - Mounts directly on connector.

### Variable Angle Connector
- 9153 (BK & WH)
  - Adjusts 90° in both directions.

### Flush Feed
- 9155 (BK & WH)
  - Includes both straight & 90° cover

### Live End Canopy
- 9160 (BK & WH)
  - Includes Live End Junction box feed.

### Cord & Plug (not U.L. listed)
- 9162 (BK & WH)
  - Includes 15' 2-conductor cord and plug set with in-line switch.

### Saddle Canopy
- 9163 (BK & WH)
  - Mounts to any point along track for power feed from 3" or 4" octagonal outlet box.

### T-Bar Canopy
- 9196 (BK & WH)
  - Includes Live End. Suspended ceiling feed.

### Replacement Dead End Cover
- 56430 (BK & WH)

### T-Bar Mounting Clips (set of 9)
- 9188 for Square-edge ceiling panels
- 9189 for Regressed-edge ceiling panels

Available in zinc (standard) and WH finishes.

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).
**Basic**

Unparalleled design integrity

Basic Track is a one circuit one neutral track that allows for many additional options.

- **Basic Ind. Track**
  - 6000N (2-foot)
  - 6001N (4-foot)
  - 6002N (8-foot)

- **Advent Ind. Track**
  - 6100N (2-foot)
  - 6101N (4-foot)
  - 6102N (8-foot)

- **Basic Joiner**
  - 6003N (8-foot)

- **Advent Joiner**
  - 6103N (8-foot)

- **Basic Plain Track**
  - 6004N (45-1/4”)
  - 6005N (93-1/4”)

- **Advent Plain Track**
  - 6104N (43-1/2”)
  - 6105N (91-1/2”)

- **Basic replacement dead end cover**
  - 56475N Matte White
  - 56476 Matte Black

- **Advent replacement dead end cover**
  - 56308NWH Matte White
  - 56309NAL Matte Black

- **In-Line Connectors**
  - 6054N Basic (BK, WH & AL)
  - 6154N Advent (BK, WH & AL)

- **“L” Connectors**
  - 6050N Basic (BK, WH & AL)
  - 6150N Advent (BK, WH & AL)

- **“T” Connector**
  - 6051N Basic (BK, WH & AL)
  - 6151N Advent (BK, WH & AL)

- **“X” Connector**
  - 6052N Basic (BK, WH & AL)
  - 6152N Advent (BK, WH & AL)

- **Variable Angle Connector**
  - 6053N Basic (BK, WH & AL)

- **Power Extension Connector**
  - 6046N Basic (BK, WH & AL)

- **Live End Connector**
  - 6048N Basic (BK, WH & AL)

- **Mini Coupler** (included in joiner)
  - 6049N Basic (BK, WH & AL)

Above In-Line, “L”, “T”, and “X” Connectors can be fed directly with electrical connector.

- Includes Live End, Dead End Cover and hardware.

- Includes concealed Mini-Coupler and hardware.

- Includes Dead End Cover and hardware.

- Flexes 90° in all directions.

- Can be fed directly with electrical connector.

- Use opposite Live End to power other track sections when obstructions exist.

- Electrifies track from beginning of run (Included in Individual Track).

- Invisible spline for joining two track units. Not a power feed point.

**Advent**

Unparalleled design integrity

Advent Track is a two circuit one neutral, allowing for additional load capacity.

- **6054N AdEvent**
- **6154N Advent**
- **6055N Advent**
- **6155N Advent**
- **6056N Advent**
- **6156N Advent**

**Features**

- Basic: Single circuit with capacity of 20 amps at 120V
- Advent: Double circuit with capacity of 40 amps at 120/240V
- Can be installed vertically or horizontal on walls
- Can be field cut
- Use with suspension beam or recessed housings

**Note:** Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).
### Basic & Advent track accessories

**End Feed Canopy kits**  
6060  4 1/2" square  
Mounts above feed connectors.

**Floating Canopy kits**  
6061N  4 1/2" square  
Mounts above track.

**Grid Ceiling Canopy kits**  
6096N  4 1/2" square  
Outlet box included.

**Saddle Canopy kits**  
6063  4 1/2" square (Basic only)  
For power feed from 4" junction box.

**18" Stem mounting kits**  
7584AL  Aluminum  
7584  Matte White  
7683  Matte Black  
7586  Matte White  
7681  Matte Black

**48" Stem mounting kits**  
7582AL  Aluminum  
7582  Matte White  
7680  Matte Black

**48" Stem extension kits**  
7582AL  Aluminum  
7582  Matte White  
7680  Matte Black

**48" Stem swivel kits**  
7480AL  Aluminum  
7480  Matte White  
7481  Matte Black

- **Conduit Adapter**  
  7596  Zinc plated (Basic only)  
  For feeding power to Basic Track from surface conduit with 1/2 - 14 IPS connector

- **Replacement Stem Hanger Assembly**  
  56417  Zinc plated (Basic or Advent)  
  Included with Stem Mounted Kits. For use with 1/4" - 18NPSM Threaded Stem

**Grid Ceiling Mounting Clips**  
6087  Zinc plated (set of 9)  
For Regressed-Edge Panels and 9/16" or 15/16" T-Bar runners.

- **Grid Ceiling Mounting Clips**  
  6088  Zinc plated (set of 9)  
  For Regressed-Edge Panels and Slotted Grid runners in ceiling systems.

- **Grid Ceiling Mounting Clips**  
  6089  Zinc plated (set of 9)  
  For Square-Edge Panels and 9/16" or 15/16" T-Bar runners.

**Sloped Ceiling Adapter**  
6079  (Basic, Advent or Radius)  
Can be used alone or with extension wands.  
4 1/8" overall length  
Use to adjust Lytespots from 0 - 90° on monopoint or track for sloped and cathedral ceilings.

- **Surface Track Mounting Clips**  
  56451  Zinc plated (set of 10)  
  Stands track off ceiling 1/16".

- **Pendant Adapter**  
  7599  (Basic, Advent or Radius)  
  Supports cord mounted fixtures up to 10 lbs. and stem or chain mounted fixtures to 25 lbs 6 amps.

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**Note:** Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).
**Basic & Advent track accessories**

**Basic Monopoint**
- 6190 4 5/8" dia. x 1/4"D

**Rectangular Monopoint**
- 6170 5 5/8"L x 4 1/2"W x 1/4"D

**Multipoint**
- 7619 11 5/8"L x 4 1/2"W x 9/16"D

**Convenience Outlet**
- 6085 Capacity 6 amps (WH)

**Attachment Fitting**
- 7589 Capacity 6 amps (WH)
- 7589BK Capacity 6 amps (BK)

**Cord and Plug**
- 6062 (Basic only)

**Extension Wands**
- 6074 18" length, Stem dia. 1/2" (not available in AL)
- 6075 36" length, Stem dia. 1/2"
- 6076 48" length, Stem dia. 1/2"

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**Note:** Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced)

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**Ultra shallow mounts fixtures** to 3 1/2" or 4" octagon outlet box. Use 90°C min. supply wire.

**Surface mounts of up to 3 average sized Lytespots, depending on fixture size, over any standard outlet box. Use 90°C min. supply wire.**
**Suspension beam track systems**

5' Polished chrome suspension beam mounting kits
7458N Available with matte white or matte black canopy
7459N Available with matte white or matte black canopy and electrical feed

10' Polished chrome suspension beam mounting kits
7468N Available with matte white or matte black canopy
7469N Available with matte white or matte black canopy and electrical feed

4' Suspension beam housing kit
6450 Use with 6001, 6101 Track (not available in AL)

8' Suspension beam housing kit
6451 Use with 6002, 6003, 6102, 6103 track systems (BK, WH & AL)
Uses Stem Mounting kits or Cable Kits.

Suspension beam 90° “L” housing kit with splice box
6454 Only available in matte white

Electrical connector kits for use with “L” housing (set of 2)
6464WH For Basic track systems (WH only)
6467 WH For Advent track systems (WH only)

**Recessed housing track systems**

Recessed Track
Available in straight runs and is fed from End Splice Box installed at the end of or between 4’ or 8’ housings.

- 7515 Recessed Housing 4’ (WH & BK)
- 7516 Recessed Housing 8’ (WH & BK)
- 7517 Splice Box (WH only)

Recessed Track Replacement Parts

- 56411 Mounting Clips for Advent only (WH only), included with housing
- 56406 Lathing Tab (WH only), included with recessed 4’ & 8’ housing
- 56407 Connecting Spline with screws (WH only), included with recessed 4’ & 8’ housing
- 56409 Recessed Spline Box End (flange type), included with 7517, 7690, 7691, 7692 housings

Recessed Track “L” Splice Box
7690 Matte White only

- Electrical Connector Kits for use with “L” Splice Box (set of 2), 6464WH For Basic only
- 6467WH For Advent only

Recessed Track “T” Splice Box
7691 Matte White only

- Electrical Connector Kits for use with “T” Splice Box (set of 4), 6462WH For Basic only
- 6465WH For Advent only

Recessed Track “X” Splice Box
7692 Matte White only

- Electrical Connector Kits for use with “X” Splice Box (set of 4), 6462WH For Basic only
- 6465WH For Advent only
Lightolier PowerTrip is a current limiting device designed for use with Radius, Basic and Advent tracks systems. It works by minimizing the impact of current and pending state and federal energy legislation that penalizes the use of track lighting, particularly with fluorescent or metal halide light sources in retail applications. Under Title 24 of the CA Energy Code, or ASHRAE 90.1, the actual wattage of fixtures on a given circuit of track is typically exceeded by the higher value of the “default” load as defined in the code. These codes force the use of the default load for power consumption calculations unless an integral current limiting device is installed on the track.

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes.

PowerTrip for Advent & Basic are available in AL (aluminum), WH (matte white), or BK (matte black). PowerTrip for Radius and Breaker modules are available in WH (matte white), or BK (matte black) only.
**Lytespan - track application guide**

Radius Track is available in 2', 4', 6' and 8' lengths. It may be cut in the field. Toggle bolts and nylon insulators, supplied, mount the track to a ceiling or wall through existing holes in the track. Do not exceed 4' spacing of track supports. Concealed mini-coupler (order separately) connects tracks mechanically and electrically in a straight run.

### Power feeds

<table>
<thead>
<tr>
<th>3&quot; or 4&quot; Octagonal outlet box</th>
<th>Track</th>
<th>45°</th>
<th>3/8&quot; Electrical fitting (by others)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use live end canopy kit for power feed from an outlet box mounted over the end of the track.</td>
<td>Use live end power feed for direct power feed from overhead conduit or cable terminating in a 3/8&quot; electrical fitting.</td>
<td>Use surface feed connector for power feed from surface conduit terminating in a 3/8&quot; electrical fitting. It may also be used for direct power feed from overhead conduit or cable.</td>
<td></td>
</tr>
</tbody>
</table>

### Track patterns

**Flush "L"/In-line connector**

- **Knockout**
  - **Connector**
    - **Rotates**
  - **1/2"**
  - **1 3/8"**

**"L"/In-line feed connector**

- **Electrical fittings**
  - **(by others)**
- **Connector**
  - **Rotates**
- **1/2"**
- **1 3/8"**

### Stem mounting

Stem kits (18" or 48") are used to suspend track from a ceiling. They attach through existing holes in the track. With the stem wire cover (order separately) they may be used to feed power to a live end. "L"/In-line connector or surface feed connector. The stem used for power feed must be located 9 5/16" from the end of the track for the wireway cover to fit properly. Stems for Radius track may not be cut in the field because they are threaded at both ends.

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**Radius application guide**

- 21 1/16" 45 1/16" 59 1/16" 93 1/16"

Dead End Cover

---

**Mounting track to T-bar ceilings**

<table>
<thead>
<tr>
<th>T-bar Regressed edge panel</th>
<th>T-bar Square edge panel</th>
<th>Track Electrical fitting (by others)</th>
<th>Bottom cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/16&quot; 15/16&quot;</td>
<td>9/16&quot; 15/16&quot;</td>
<td>3/8&quot;</td>
<td>4 1/8&quot; Sq.</td>
</tr>
</tbody>
</table>

**Track patterns**

- The "L"/In-line connector, both feed and non-feed, may be installed straight or may be rotated to form a right angle. They are polarized and are prewired for power continuity and will accept power feed wires from an adjoining stem. The deeper "L"/In-line connector accepts a 3/8" electrical fitting for direct power feed from conduit or cable or with an optional Radius outlet box cover 9060WH-BK it may be used for power feed from a 3" or 4" octagonal outlet box.

**Variable angle connector**

- The variable angle connector is polarized and prewired for power continuity. It can flex up to 90 degrees in all directions. Power cannot be fed into this connector.

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**Basic & Advent** application guide

Surface or stem mounted

![Diagram of Surface or Stem Mounted Track]

- **Live end**
- **Strip track**
- **Dead end**
- **Individual or plain track**
- **Joiner track**

**Single track**

Use individual track or plain track plus live end. May be cut in the field. Live end contains terminals for connection to power feed wires.

**Power extension**

- **A**
- **B**
- **C**
- **D**
- **E**

**Mounting to exposed grid suspended ceilings**

- **T-runner**
- **T-runner**
- **Slotted grid runner**

**Direct mounting**

Toggle bolts with nylon insulators, supplied with track, can be used to mount track to a wall or ceiling through existing holes in the track.

**With track mounting clips**

Mounting clips, provided with track, attach to track at any point. Use only for ceiling mounting.

**Power feed to surface mounted track from outlet box**

- **3" or 4" octagon outlet box** (by others)
- **Saddle canopy kit**
  - Mounts at any point along basic track for power feed directly to track conductors.
  - Includes extra dead end cover to replace live end.

**Straight run of track**

Start with individual track (or plain track plus live end) of length desired and add as many 8’ joiner tracks as required. May be cut in the field. Concealed mini-coupler connects track sections mechanically and electrically. Replace mini-coupler with in-line connector for power feed-in between track units. Power extension replaces dead end to permit power take-off from or power feed into end of track opposite live end. Power extension accepts same power feed kits as live end.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic</td>
<td>2 23/32&quot;</td>
<td>21 1/16&quot;</td>
<td>3/32&quot;</td>
<td>95 29/32&quot;</td>
</tr>
<tr>
<td></td>
<td>45 1/16&quot;</td>
<td>93 1/16&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advent</td>
<td>4 1/2&quot;</td>
<td>43 9/32&quot;</td>
<td>3/32&quot;</td>
<td>95 29/32&quot;</td>
</tr>
<tr>
<td></td>
<td>91 9/32&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>139 9/32&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Floating canopy kit**

Mounts anywhere along track installed with mounting clips for power feed to live end, “L”, “T”, “X”, in-line or variable angle connector. May be located up to 4’ from power feed-in point.

**Conduit adapter**

Attaches to Live End of Basic Track for power feed from surface conduit terminating in 1/2–14 threaded electrical fitting. Not required for Advent Track.

Use grid ceiling canopy kit to feed power to the live end, “L”, “T”, “X”, in-line or variable angle connector of track mounted to a grid ceiling. Its special outlet box mounts along a t-bar runner or at the intersection of t-bar runners.

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**Comprehensive Track luminaires**

**Application guide**

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Track patterns

All individual or plain tracks

Variable angle connector

"L" connector

"T" connector

Joiner track

Individual or plain track

"X" connector

End splice box

Wall inside corner

Wall outside corner

Variable angle connector flexes 90° in all directions.

7 1/4"

90°

Ceiling to wall

Add length (Y) to each track length to determine total length in patterns.

"L," "T," or "X" Connectors

(Y) Basic

(Y) Advent

2 1/16" 2 3/4"

Stem mounting track

3" or 4" octagon outlet box (by others)

This end may be field cut

Live end

Live end

Stem extension

3" or 4" octagon outlet box (by others)

0–90° Slope

This end may be field cut

1/4"–18 NPSM Thread

Swivel stem

Stems (18" or 48") and swivel stems (48") attach to the track at any point, may be spaced up to 4’ apart and may be cut in the field. 4’ wire way cover provided with stems. The stem extension kit extends stem length 48” but may not be cut in the field because it is threaded at both ends. Stems can be used to feed power to a live end. "L," "T," "X," In-Line, or Variable Angle Connector; use stem closest to feed-in point. Not recommended for wall mounting.

Recessing track

1/2” Conduit connector

End splice box

Lathing tab

Recessed housing

Spline

Suspended tile

Tile or plasterboard

End cap

Mounting clip

Multiple power feeds

End splice box

End splice box

Housing

Live End

Track

Live End

Track

Basic and Advent track can be recessed in 4’ or 8’ recessed housings. The housings may be installed individually or in straight runs and may be cut in the field. Use an individual track with a single housing. Use an individual track and as many joiner tracks as required for a run of housings. Lathing tabs, splines, and mounting clips are supplied with housings. Splines secure housings together. The end splice box is used for power feed and may be installed at the end of or between housings. End caps are provided with splice boxes.

"L," "T," and "X" Splice boxes permit recessed track to be installed in patterns. Each straight run of track between splice boxes is started with a plain track or individual track with live end removed and as many joiner tracks as required. 7/8” K.O.’s are provided for power feed. Electrical connector kits (order separately) are used for power feed or power continuity at corners and intersections. "L," "T," or "X" track connectors used for surface or stem mounted track cannot be used with recessed track.

"L," "T," “X,” In-line, and variable angle connectors to turn corners or form “T” or “X” intersections. Power may be fed into the connectors. "L," In-Line, and variable angle connectors are polarized, "T" and "X" connectors are not. The "L" connector may be rotated for left or right angle turns. Jumper wires are provided for power continuity. Use plain track (or individual track with live end removed) and as many joiner tracks as required for each straight run of track between connectors. Connectors may be attached to cut track.
Suspension beam application guide

Suspension beam

4' and 8' Suspension beam housings are designed to enclose Basic or Advent track. They may be installed individually or in straight runs and may be cut in the field. End plates and track mounting clips are furnished with 4' and 8' housings; couplers and splines are only provided with 8' housings.

“L” Housing/splice box

Electrical connector kit
The L housing/splice box is used to form a right angle corner with suspension beam housing. Electrical connector kits (order separately) are required for power feed or power continuity at corners.

Housings are suspended by stems or cables. Both attach to the housings at any point (except at wireway cover), may be spaced up to 8' apart, and may be shortened in the field. Stems may be lengthened with a stem extension. Stems can be used for housings in straight runs or patterns. Cables are only recommended for patterns.

Feed-in to straight run with stem

Feed-in to corner with stem

Recessed housings and splice boxes must be installed before the ceiling is completed.
In 2006, Lightolier introduced a full line of ENERGY STAR® certified CFL downlights. These products met the strict requirements of both ENERGY STAR® and California’s Title 24 legislation. Available in both residential and commercial versions with over 40 trim options. Products continue to be designed to provide the best possible energy efficiency for every application. Since then we have expanded our ENERGY STAR® certified portfolio to include nearly all CFL and LED luminaires.

**Title 24**

The California Energy Code, part 6 of the California Building Standards Code which is Title 24 of the California Code of Regulations, was created by the California Building Standards Commission in 1978 in response to a legislative mandate to reduce energy consumption in the state. The standards are updated periodically by the California Energy Commission to allow consideration and possible incorporation of new energy efficiency technologies and methods.

**Warranties**

A standard 5-year limited warranty is included on all LED products and a standard 3-year limited warranty is included on all CFL & INC products. Lightolier offers a wide range of high performance downlights with thousands of configurable solutions for use in multiple applications. All products are designed to be easily installed with a host of features that allow for fast and consistent installations and servicing. Visit www.philips.com/warranties for details and restrictions.

**Underwriters Laboratories**

The UL (Underwriters Laboratories) and CSA (Canadian Standards Association) are two separate independent safety science testing and certification agencies. If a product is cULus Listed, UL tested the product to meet all the requirements under the Canadian and US standards. Anything that has cULus mark is listed for use in both the United States and Canada. Visit www.ul.com for more information.

Nearly entire LED and CFL portfolio contains ENERGY STAR® certified luminaires.

Multiple LED and CFL products within portfolio offer California Title 24 compliant options.

A standard 5-year limited warranty is provided for all Lightolier LED luminaires.

All LED, CFL and INC luminaires are cULus listed (many approved in damp or wet locations).

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**Dimming Compatibility**

Please refer to Downlighting LED dimming specification sheet at bit.ly/LED-DIM-DL

Please refer to Track Lighting LED dimming specification sheet at bit.ly/LED-DIM-TL
Energy efficiency

Lightolier is committed to developing products that help meet the evolving energy conservation concerns by providing unsurpassed quality, exceptional performance and the latest technology in energy efficiency.

Distributor focus

With over 100 years of experience you can rest assured when trusting Lightolier with all your lighting needs. The choice of off-the-shelf solutions or configure-to-order options allow for the flexibility to conform to any project’s requirements – no matter the scale.

Contractor focus

With a wide range of product families, lighting source types and installation options seamlessly blending Lightolier downlights into any commercial or residential area is a breeze. Mounting frames and reflector trims work seamlessly together for efficient and reliable results, while common aperture sizes provide the freedom of choice when unexpected project changes occur.

Supporting shelf-stocking needs

The goal of our service program is to ensure that we fully support your shelf stocking requirements and provide you with reliable lead times to address the demanding time-lines of construction and retrofit lighting projects. This program allows you to select the product and corresponding lead time to meet the needs of your customer’s specific project. Stocked products will be shipped within 48hrs from our warehouses.*

For the most up-to-date guide with stock and quick ship products please contact your local Philips Sales Manager. Distributor Stock products are a subset of the Service Smart items that should be maintained on distributor shelves at all times to manage everyday contractor demand.

Digital tools at your fingertips

The Philips Lumenaire eCatalog is available at philips.com/luminaires and provides you and your customers with fast ways to identify the right product for their specific project.

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2. Find: Up-to-date product information so you can always find current specs and product specific literature.
3. Use: Drop down menus to help you further refine your search to find the exact product to fit your needs.

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• Media resources center to view product videos, brochures or presentations along with product and application images.
• Downloads and information sharing, including product literature such as spec sheets and install documents.

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* Quick Ship products: will be assembled to order and ship within 2 weeks from our factories.

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