INTERSECTION
Downlighting
Integrated Lighting Solutions
Lighting INTEGRATION Made Easy

Armstrong® Ceiling Solutions and USAI® Lighting partnered to offer architects and designers a new way to seamlessly integrate recessed downlights with architectural suspension systems. Now for the first time, LED light fixtures can be placed at the intersections of the ceiling grid — allowing for perfect alignment of lighting and architecture.

► Grid, ceiling panels, and light meet seamlessly at the intersection with pre-cut factory finished panels and grid

► Compatible with the USAI® Lighting Connect™ Family

► Snap-in-place one piece universal housing for light

**PROBLEM**
Downlight placement must penetrate ceiling panels creating a typical and dated look.

**SOLUTION**
Eliminate the worry of field-modified panels and grid. Factory-finished panels to go with the Intersection Downlighting Kit make this previously impossible condition flawless and consistent.

perfect alignment
INTERSECTION DOWNLIGHTING

With our new 4” Intersection Downlighting Kit and in collaboration with USAI® Lighting, lights can now be placed at grid intersections.

- Eliminate the worry of field modified panels and grid
- Place light where it has never been before
- Compatible with the USAI® Lighting Connect™ Family
- Suitable for seismic installations in D, E, F areas

KIT CONTENTS:

(1) Downlight Suspension Frame

(1) High-Profile Yoke (not assembled — comes in two pieces)*

(2) Cross Tee Connection Clips

* Alternate low profile yoke for low plenum applications available - Item #: FZD4YKLP

Calla® for Intersection Downlighting (8 panels per carton)

Calla® Notched Directional Ceiling Panel – Item #: 2618**

**Panels sold separately from grid components
CONNECT™ – The newest member of USAI® Lighting’s award winning family offers designers exact fixture spacing on a predetermined grid to seamlessly integrate lighting with building design, achieving perfect alignment and consistency.

CONNECT™ FEATURES:

COLOR HARMONY®
Consistent and reliable classic white light from fixture-to-fixture within a 2-Step MacAdam Ellipse.

WARM GLOW® DIMMING
Provides the warmth and glow once possible only in dimmed incandescent sources. Patented technology mimics the dimming curve of a standard incandescent lamp.

COLOR SELECT®
Patented Tunable White color control from cool to warm. Allows independent adjustment of color and intensity from daylight to candlelight.

CONNECT™ Trim Options

BeveLED® CONNECT™ for 4” Intersection

- Downlight – C4SBD
- Adjustable – C4SBA
- Wall Wash – C4SBW

SliverLED® CONNECT™ for 4” Intersection

- Downlight – C4SSD
- Adjustable – C4SSA
- Wall Wash – C4SSW

True Zero® CONNECT™ for 4” Intersection

- Downlight – C4SZD
- Adjustable – C4SZA
- Wall Wash – C4SZW

CONNECT™ Trim Dimensions

- 3.4”
HOW TO SPECIFY INTERSECTION DOWNLIGHTING

1. Design your layout
Select from one of our standard layouts or create your own configuration

<table>
<thead>
<tr>
<th>Layout Details</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' x 2' Ceiling layout with lights 4' apart</td>
<td>![Diagram]</td>
</tr>
<tr>
<td>2' x 2' Ceiling layout with lights 6' apart</td>
<td>![Diagram]</td>
</tr>
<tr>
<td>2' x 2' Ceiling layout with lights 8' apart</td>
<td>![Diagram]</td>
</tr>
<tr>
<td>30' x 30' Ceiling layout with lights 5' apart</td>
<td>![Diagram]</td>
</tr>
<tr>
<td>30' x 30' Ceiling layout with lights 7.5' apart</td>
<td>![Diagram]</td>
</tr>
</tbody>
</table>

KEY:
- Downlight
- Suspension Frame
- Yoke
- Main Beams
- Directional Cross Tees
- Cross Tees

2. Choose your 9/16" Profile Intersection Downlighting Kit (8 kits per carton)
(main beams, standard cross tees, wall molding, and lights need to be ordered separately)

Compatible Armstrong® suspension systems

Item No. | Description
--- | ---
Silhouette® XL® 1/4" Reveal
- 76D4SK_ | 4" Downlight Hub Kit w/ Yokes & hardware
- XL7622DL_ | 24" Module Downlight Cross Tee
- XL7628DL_ | 30" Module Downlight Cross Tee
- XL7646DL_ | 48" Module Downlight Cross Tee

Silhouette® XL® 1/8" Reveal
- 768D4SK_ | 4" Downlight Hub Kit w/ Yokes & hardware
- XL76822DL_ | 24" Module Downlight Cross Tee
- XL76828DL_ | 30" Module Downlight Cross Tee
- XL76846DL_ | 48" Module Downlight Cross Tee

Suprafine® XL®
- 75D4SK_ | 4" Downlight Hub Kit w/ Yokes & hardware
- XL7522DL_ | 24" Module Downlight Cross Tee
- XL7528DL_ | 30" Module Downlight Cross Tee
- XL7546DL_ | 48" Module Downlight Cross Tee

Interlude® XL® HRC
- 61D4SK_ | 4" Downlight Hub Kit w/ Yokes & hardware
- XL6122DL_ | 24" Module Downlight Cross Tee
- XL6128DL_ | 30" Module Downlight Cross Tee
- XL6146DL_ | 48" Module Downlight Cross Tee

Accessories
- FZD4YKLP | Low-Profile Yoke
- SH1206 | PeakForm Support Hanger with Routing 6" O.C.

COLORS
- White (WH)
- Blizzard White†† (ZW)

Kit Components Included: (8 Kits per carton)
- (1) High-Profile Yoke (not assembled – comes in two pieces)*
- (2) Cross Tee Connection Clips
- (1) Downlight Suspension Frame

* Alternate low profile yoke for low plenum applications available - Item #: FZD4YKLP
†† Add the 2-letter color suffix to the item number when specifying or ordering (Example: AX2WEC Z W)

NOTE: Low-profile yoke is compatible with USAI® Lighting CONNECT™ Family Downlight and Wall Wash lighting options. High-profile yoke is compatible with USAI Lighting CONNECT Family Downlight, Adjustable, and Wall Wash lighting options.
**Choose your ceiling panel** (8 pieces per carton)*

**VISUAL SELECTION**

**PERFORMANCE SELECTION** Dots represent high level of performance.

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Dimensions (Inches)</th>
<th>Total Emissions</th>
<th>Articulation Class</th>
<th>Fire Rating</th>
<th>Light Reflect</th>
<th>Anti-Mold &amp; Mildew</th>
<th>Sag</th>
<th>Certified Low VOC Emissions</th>
<th>Wash</th>
<th>Impact</th>
<th>Scratch</th>
<th>Soil</th>
<th>Recycled Content</th>
<th>Recycle Program</th>
<th>30-Yr Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALLA® Notched Ceiling Panels**</td>
<td>2818</td>
<td>9/16&quot; Square Tegular</td>
<td>24 x 24 x 1&quot;</td>
<td>0.85</td>
<td>35</td>
<td>BEST</td>
<td>170</td>
<td>Class A</td>
<td>0.86</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>CALLA® Compatible Full Size Panels</td>
<td>2824</td>
<td>9/16&quot; Square Tegular</td>
<td>24 x 24 x 1&quot;</td>
<td>0.85</td>
<td>35</td>
<td>BEST</td>
<td>170</td>
<td>Class A</td>
<td>0.86</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
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</tbody>
</table>

**Choose your Connect™ family, fixture, and color technology**

USA® Connect™ products are available in full downlight, adjustable and wall wash families with three trim styles options. See specification example below. Please visit usaillighting.com/connect for full details.

**BeveLED® Connect™ Downlight – Sample Specification**

<table>
<thead>
<tr>
<th>FAMILY</th>
<th>COLOR TECHNOLOGY</th>
<th>FIXTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4SBD</td>
<td>CT</td>
<td></td>
</tr>
<tr>
<td>Connect Product</td>
<td>Housing</td>
<td>Wattage Options</td>
</tr>
<tr>
<td>CT Connect Intersection Housing</td>
<td>14M2 14W LED</td>
<td>20M2 20W LED</td>
</tr>
<tr>
<td>Classic White</td>
<td></td>
<td>25 25° beam</td>
</tr>
<tr>
<td>Warm Glow Dimming</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color Select</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12CS1 12W LED</td>
<td>18CS1 18W LED</td>
<td>6022KS 6000K-2200K Tunable White Light, 80+ CRI</td>
</tr>
<tr>
<td>347V</td>
<td>For use with 347V only</td>
<td>D15 0-10V dim, 1%, 347V only*</td>
</tr>
</tbody>
</table>

**Notes:**
- *These pieces are directional panels and come as (8) marked pieces per carton (4A’s / 4B’s)
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*See specification example below. Please visit usaillighting.com/connect for full details.

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**CALLA® Notched Ceiling Panels**

- **9/16" Square Tegular**
  - Item No.: 2818
  - Dimensions: 24 x 24 x 1"
  - **Total Emissions**: 0.85
  - **Articulation Class**: 35
  - **Fire Rating**: BEST 170
  - **Light Reflect**: Class A 0.86
  - **Anti-Mold & Mildew**: •
  - **Sag**: •
  - **Certified Low VOC Emissions**: •
  - **Wash**: •
  - **Impact**: •
  - **Scratch**: •
  - **Soil**: •
  - **Recycled Content**: •
  - **Recycle Program**: •
  - **30-Yr Warranty**: •

**CALLA® Compatible Full Size Panels**

- **9/16" Square Tegular**
  - Item No.: 2824
  - Dimensions: 24 x 24 x 1"
  - **Total Emissions**: 0.85
  - **Articulation Class**: 35
  - **Fire Rating**: BEST 170
  - **Light Reflect**: Class A 0.86
  - **Anti-Mold & Mildew**: •
  - **Sag**: •
  - **Certified Low VOC Emissions**: •
  - **Wash**: •
  - **Impact**: •
  - **Scratch**: •
  - **Soil**: •
  - **Recycled Content**: •
  - **Recycle Program**: •
  - **30-Yr Warranty**: •
1 877 276 7876
Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

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