THE INTERSECTION OF INNOVATION
Introducing USAI® Connect™ in partnership with Armstrong Ceiling Solutions
LIGHTING AND CEILINGS IN PERFECT ALIGNMENT

USAI Lighting and Armstrong Ceiling Solutions have partnered to offer architects and designers a new way to seamlessly integrate recessed downlights at the intersection of the ceiling grid—allowing for perfect alignment of lighting and architecture.
LIGHT WHERE IT HAS NEVER BEEN BEFORE

USAI® Connect™ creates a whole new design aesthetic, placing the light fixture at the intersection of the grid. For the first time ever, seamlessly integrate lighting with architectural elements while achieving perfect alignment, balance and order.

A NEW WAY TO THINK ABOUT CEILINGS

Traditional downlight installations require the contractor to cut ceiling tiles. Easy to install, Intersection Downlighting eliminates the need for field modified panels and grid, providing consistent finishes and edge details with crisp, clean, pre-cut factory finished panels.

WHAT PEOPLE ARE SAYING ABOUT USAI CONNECT:

“So innovative. An immediate must-have.”

“We always draw it this way, but it was never possible before.”

“I can use this everywhere!”

“My clients will love this.”

“Aesthetically, this is a breakthrough.”

“Long overdue.”
LIGHT FOR ENGAGING WORKPLACES

Flexible Workplace
Modern office design incorporates private and public spaces for maximum employee satisfaction. From flexible open floorplans to breakout spaces or private offices, USAI Connect flows seamlessly from space to space. Use Connect with Color Select® tunable white light to deliver the right light at the right time to enhance community, creativity, innovation and efficiency.

1. Proven and Reliable Dimming
Control system compatibility is critical to the success of a high quality installation. USAI rigorously tests all major architectural control systems for smooth and flicker-free dimming down to 0.1%.

2. Toolbox of Beams
Our downlights offer a full range of beamspreads (10°– 50°), which are smooth and even. A 50-degree beam provides excellent, uniform, glare-free illumination for open offices.

3. No Window? No Problem
Seating located more than 10' from a window does not receive circadian benefit from natural light. Supplement day-light with Color Select tunable white light to synchronize your natural body clock throughout the work day.

4. Enhance Performance and Productivity
Color Select tunable white light offers the ability to use blue-enriched white light at appropriate light levels in the workplace at the right time of day to stimulate the brain and improve alertness and performance.

LIGHT FOR PRODUCTIVITY

Open Office
Workplace design has a direct impact on productivity. Simulate natural daylight throughout the day and season using USAI Connect classic or tunable white light to perfectly balance interior light levels, reduce glare, and increase employee comfort and satisfaction.

5. Bring the Outside In
We spend 92% of our time indoors. Match daylight with Color Select tunable white light that fluctuates throughout the day for increased employee engagement.

6. Perfect Color Consistency
The human eye is highly sensitive to light and color. USAI’s Classic White light delivers perfect color matching from fixture to fixture.

7. Best-in-Class Efficiency
Meet increasingly tough energy code requirements with aesthetics and style. USAI’s proprietary LED lighting systems provide more light on the workplane, while using less power than ever before.

8. Full Family Platform
USAI offers a full suite of LED lighting products that install seamlessly into Intersection Downlighting ceilings, as well as sheetrock and other materials for an exact match from below the ceiling.
FLEXIBLE LIGHT FOR FLEXIBLE SPACES

Hospitality
From daytime conferences to evening weddings, USAI Connect is designed to seamlessly adapt to any environment to support changing functions and events. Color Select tunable white and Warm Glow dimming options set the appropriate mood for any occasion.

LIGHT FOR HEALTH AND WELLBEING

Healthcare
USAI Connect provides light for a well entrained circadian system to help patients heal faster, give healthcare providers more energy and alertness and make visitors feel more comfortable.
LIGHTING AND ARCHITECTURE CONNECT IN A NEW WAY

INTEGRATION
The perfect alignment of lighting and architecture is achieved through the seamless integration of USAI® Connect™ with Armstrong® Intersection Downlighting.

HOUSING
Shallow housing only 2” tall allows for maximum ceiling height and fixture placement freedom.

DIMMING
Industry-leading dimming options are rigorously tested for dimming compatibility with leading architectural controls to deliver smooth and flicker-free dimming performance down to 0.1% of maximum light levels.

MOUNTING
Snap-on toolless housing installation allows for seamless integration with Armstrong® Intersection Downlighting. Universal grid mounting clips allow for reliable connection to the tee grid, and optional self-tapping screws lend a seismic rating.

LED COLOR
USAI Lighting’s proprietary high-performance LED light engines are available in Classic White light, Warm Glow® Dimming and Color Select® tunable white light.

BEAM
Full family of downlight, adjustable and washwash options with multiple beamspread distributions for uniform coverage.

TRIM
Multiple roomside aesthetics with three different trim styles allow flexibility to meet any desired architectural preference.

LIFETIME
USAI’s unique and proprietary passive heatshink design results in superior thermal management and long LED life of at least 5 years or 50,000 hours.
LIGHTING CONSIDERATIONS

Simple choices refine the lighting installation, allowing full and tailored solutions for every project. USAI Connect offers sophistication and beauty with various trim styles, light functions, beamspreads, color and dimming.

THREE TRIM STYLES

Beveled LED® Connect™ Classic style regressed glass lens meets a gently sloping beveled edge.

SilverLED® Connect™ Quiet visual appearance delivers precise beam control from a minimal 1.75" discrete square aperture.

True Zero® Connect™ A modern glass lens aligns with the ceiling plane for a continuous surface that’s easy to clean.

THREE LIGHT FUNCTIONS

Downlight Provides general lighting for spaces with smooth, symmetric cones of light to provide even illumination.

Adjustable A single beam of light can be adjusted multiple ways, placing light precisely where you need it.

Wallwash A thoughtfully placed wallwash is great for providing vertical illumination on a feature wall, highlighting art and architectural features.

THREE BEAM OPTIONS

Narrow Beam This highly concentrated beam is ideal for providing visual contrast and highlighting objects of interest.

Medium Beam This softer, more diffused beam brightens task areas with visual comfort.

Wide Beam This expansive beam is optimal for providing general lighting with excellent uniformity.

THREE LED COLOR OPTIONS

Classic White Consistent and uniform white light with an exact color match from fixture to fixture.

Warm Glow The warmth and glow of incandescent, with all of the benefits of LED.

Color Select Tunable white light from daylight to candlelight with independent control of color and intensity.

THREE TYPES OF DIMMING

Low Voltage Dimming USAI Connect is provided with 0-10V low voltage dimming standard, which provides smooth flicker-free dimming.

Phase Dimming Simple phase dimming does not require any additional wiring to operate and is the easiest dimming solution that can be provided to achieve the lowest light levels.

Digital Dimming DMX, DALI, and Lutron Ecosystm are all digital communication protocols that are available with USAI Connect, providing precise flexible dimming.

COLOR AND CONTROL: Personalized Lighting®

Consider the possibilities. USAI Connect offers beautiful lighting in every shade of white. Whether the design is for workplace, healthcare or hospitality environments, USAI Lighting offers the right personalized lighting solution without compromise.
INTERSECTION DOWNLIGHTING

Lighting layouts using USAI Connect are available for every application—whether a lot of light is needed for mission-critical spaces, or lower ambient lighting levels are sufficient for circulation areas. And with streamlined coordination between trades and a simplified installation, Intersection Downlighting makes sense for projects of all kinds.

APPLICATION LAYOUT EXAMPLES WITH BEVELED CONNECT DOWNLIGHT

4’ x 4’ Lighting Layout
Perfect for showrooms, retail applications and examination areas.

6’ x 6’ Lighting Layout
Ideal for open offices, private offices, conference rooms, meeting spaces and classrooms.

8’ x 8’ Lighting Layout
Excellent for corridors, lobbies, circulation spaces and lounge areas.

INSTALLATION IN THREE EASY STEPS

1. Install Intersection Downlighting Kit (from Armstrong Ceiling Solutions) as part of suspended ceiling system installation.
2. USAI Connect housing snaps on to tee grid and yoke from above. Install light from below. Make electrical connection with quick connects.
3. Place ceiling tiles in grid to close up ceiling and complete installation.
OUR FAMILY OF INTEGRATED SOLUTIONS
The USAI® Connect™ family is compatible with Armstrong® Intersection Downlighting. Please visit usailighting.com for more details.

PROJECT CREDITS

Page 11, Top Left
Camper
Architect: Montroy Anderson Demarco
Photo: Jesse Goff Photography

Page 11, Top Center
South City Kitchen
Architect: ASD/SKY
Photo: ©2016 Darris Lee Harris

Page 11, Top Right
Swedish Ballard
Architect: ZGF Architects
Photo: Ben Benschneider

Page 11, Bottom Left
Aston and Bird
Lighting Designer: Newcomb & Boyd
Interior Design / Architecture: Carson Guest Inc.
Photo: Gabriel Benzur

Page 11, Bottom Center
Porch
Lighting Designer: Oculus Light Studio
Photo: Mark Steele Photography, Inc.

Page 11, Bottom Right
Christie’s West
Lighting Designer: Renfro Design Group
Architect: Selldorf Architects
Photo: Jonathan Chesley
Courtesy of Selldorf Architects

CALL OR EMAIL FOR AN APPOINTMENT TO SEE CONNECT.

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USAI® Connect™ for Armstrong® Intersection Downlighting

USAI® Lighting

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