

# LIGHTING SOLUTIONS

## Downlighting for Center-Cut Acoustical Panels



**SUSTAIN**  
High Performance  
Sustainable  
Ceiling Systems



Ultima® 48" x 48" Center-Cut Panels

Now, get the look of timeless drywall ceilings in a suspended ceiling system. Pre-cut ceiling panels are designed to seamlessly integrate with trimless downlights.

### KEY SELECTION ATTRIBUTES

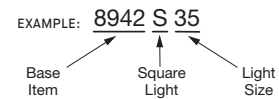
- Calla®, Lyra® PB, Ultima® and Optima® PB 9/16" tegular
- Monolithic look with crisp, integrated lighting
- Pre-cut downlight opening available for 3-1/2" or 5" square or round lights
- Fast, easy installation
- No on-site panel cuts needed
- Seismic-tested
- Armstrong Ceilings 10-year limited warranty

Follow the below two (2) steps when specifying Center-Cut Panels:

### 1. Choose your Center-Cut Ceiling Panel

To specify the correct center cut tile for your system:

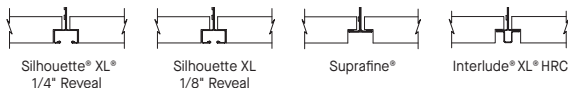
1. Choose the appropriate 4-digit base center-cut item number below to indicate product visual and size.
2. Choose if you are using a circle or square light by adding C or S to the item number.
3. Choose the size of the light you are using 3-1/2" or 5" by adding 35 or 5 to the item number.



Example: Lyra® 9/16" square tegular 30" x 30" panel with a 3-1/2" square downlight would be labeled 8942S35

Visual	Size	Edge Detail	Corresponding Field Panel Item #	Base Center-Cut Item #	Shape of Light C - Circle / S - Square	Light Fixture Type 35 - BeveLED Mini / 5 - BeveLED 2.2
Calla®	24 × 24 × 1"	9/16" square tegular	2824	8935	S or C	35 or 5
Ultima®	24 × 24 × 7/8"	9/16" beveled tegular	1912	8936	S or C	35 or 5
	30 × 30 × 7/8"	9/16" beveled tegular	1905	8937	S or C	35 or 5
Ultima® High NRC	24 × 24 × 7/8"	9/16" beveled tegular	1942	8938	S or C	35 or 5
	30 × 30 × 7/8"	9/16" beveled tegular	1431	8939	S or C	35 or 5
Lyra® PB	24 × 24 × 1"	9/16" square tegular	8361PB	8941	S or C	35 or 5
	30 × 30 × 1"	9/16" square tegular	8359PB	8942	S or C	35 or 5
	48 × 48 × 1"	9/16" square tegular	8356PB	8943	S or C	35 or 5
Optima®	30 × 30 × 1"	9/16" square tegular	3259	8946	S or C	35 or 5
Optima® PB	24 × 24 × 1"	9/16" square tegular	3251PB	8944	S or C	35 or 5
	48 × 48 × 1"	9/16" square tegular	3256PB	8949	S or C	35 or 5

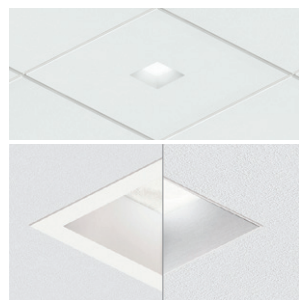
### 2. Choose your 9/16" Suspension System (Note: System uses standard main beams, cross tees and wall molding)



### BEVELED 2.2 TRIMLESS TILE – B4SDP DOWNLIGHT FOR USE WITH CENTER-CUT CEILING PANEL

For the first time – a drywall visual for acoustical ceiling tiles. Perfectly centered fixtures, perfectly cut tiles – every time.

- The clean, minimal trimless appearance of sheetrock in acoustical tiles
- No cutting, no mess, no mistakes, and less labor
- Proprietary toolless mounting system
- Trimless tile housings perfectly self-center in pre-cut tiles
- NEC grid mount. No independent tie-in to structure required
- Seismically rated



Standard Trim for Acoustical Tile | Trimless Solution for Acoustical Tile

### LIGHTING FIXTURES PARTNER

Acoustical Trimless Light Fixture Family From USAI Lighting Includes:

- BeveLED Mini Round
- BeveLED 2.2 Round
- BeveLED Mini Square
- BeveLED 2.2 Square



For more product information visit: [usailighting.com/trimlesstile](http://usailighting.com/trimlesstile)

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### COORDINATING FIELD PANELS

#### VISUAL SELECTION

	Item No.	Dimensions (Inches)	
CALLA® High CAC 9/16" Square Tegular	2824_	24 × 24 × 1"	<input type="checkbox"/>
LYRA® PB with Plant-based Binder 9/16" Square Tegular	8361PB	24 × 24 × 1"	<input type="checkbox"/>
	8359PB	30 × 30 × 1"	<input type="checkbox"/>
	8356PB	48 × 48 × 1"	<input type="checkbox"/>
ULTIMA® 9/16" Beveled Tegular	1912	24 × 24 × 3/4"	<input type="checkbox"/>
	1905	30 × 30 × 3/4"	<input type="checkbox"/>
ULTIMA High NRC 9/16" Beveled Tegular	1942	24 × 24 × 7/8"	<input type="checkbox"/>
	1431	30 × 30 × 7/8"	<input type="checkbox"/>
OPTIMA® 9/16" Square Tegular	3259	30 × 30 × 1"	<input type="checkbox"/>
Optima® PB with Plant-based Binder 9/16" Square Tegular	3251PB	24 × 24 × 1"	<input type="checkbox"/>
	3256PB	48 × 48 × 1"	<input type="checkbox"/>

#### PERFORMANCE SELECTION

Dots represent high level of performance.

UL Classified Acoustics	Total Acoustics <sup>1</sup>	Articulation Class	Fire Performance	Light Reflect	Bio-Block Mold & Mildew Protection	Humi-Guard+ Sag Resistant	Certified Low VOC Emissions	Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
0.85	35	BEST	170	Class A	0.86	*	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	*	*	*	*	*	*	*
0.75	35	BETTER	-	Class A	0.90	*	*	*	*	*	*	*	*	*
0.75	35	BETTER	-	Class A	0.90	*	Std	*	*	*	*	*	*	N/A
0.80	35	BEST	170	Class A	0.87	*	*	*	*	*	*	*	*	*
0.75	35	BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.90	*	*	N/A	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.90	*	*	N/A	*	*	*	*	*	*



INTEGRATED CEILING SOLUTIONS - Standard

<sup>1</sup> Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product. GOOD (NRC 0.60-0.65; CAC 35+) BETTER (NRC 0.70-0.75; CAC 35+) BEST (NRC 0.80+; CAC 35+)  
NOTE: Center cut panels are not certified acoustically

#### PHYSICAL DATA

**Material**  
Calla® and Ultima®: Wet-formed mineral fiber with acoustically transparent membrane  
Lyra® and Optima®: Fiberglass with acoustically transparent membrane

**Surface Finish**  
Calla and Lyra: Acoustically transparent membrane with factory-applied latex paint  
Ultima and Optima: DuraBrite® acoustically transparent scrim with factory-applied-latex paint

**Fire Performance**  
Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less. Smoke Developed Index of 50 or less (UL labeled).

**ASTM E1264 Classification**  
Calla and Ultima: Type IV, Form 2, Pattern E, Fire Class A  
Lyra and Optima: Type XII, Form 2, Pattern E, Fire Class A

**Humidity/Sag Resistance**  
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

**Anti-Mold/Mildew**  
Ceiling tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

**VOC Emissions**  
GREENGUARD Gold Certified  
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED, WELL, Living Building Challenge, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

**Design Considerations**  
Combining materials with different run dates may result in shade variations. Order attic stock for any anticipated future needs.

**Acoustical Performance**  
CAC testing conducted using Silhouette® suspension system for 9/16" edge detail.

**High Recycled Content**  
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.



**Insulation Value**  
Calla:  
R Factor - 2.9 (BTU units)  
R Factor - 0.445 (Watts units)  
Ultima:  
R Factor - 2.2 (BTU units)  
R Factor - 0.39 (Watts units)

Lyra:  
R Factor - 4.4 (BTU units)  
R Factor - 0.76 (Watts units)  
Optima:  
R Factor - 6.0 (BTU units)  
R Factor - 1.05 (Watts units)

**30-Year Performance Guarantee & Warranty**  
When installed with Armstrong® Suspension System. Details at [armstrongceilings.com](http://armstrongceilings.com)

**Weight: Square Feet/Carton**  
8935 - 0.99 lbs/SF; 40 SF/ctn  
8942 - 0.42 lbs/SF; 75 SF/ctn  
8936 - 0.99 lbs/SF; 48 SF/ctn  
8943 - 0.42 lbs/SF; 96 SF/ctn  
8937 - 0.99 lbs/SF; 37.5 SF/ctn  
8944 - 0.43 lbs/SF; 48 SF/ctn  
8938 - 1.11 lbs/SF; 40 SF/ctn  
8946 - 0.44 lbs/SF; 75 SF/ctn  
8939 - 1.11 lbs/SF; 37.5 SF/ctn  
8949 - 0.44 lbs/SF; 96 SF/ctn  
8941 - 0.41 lbs/SF; 48 SF/ctn