OPTIMA® Concealed

Concealed Suspension
fine texture

DESIGNFLEX®
A New World of Choice
for Ceiling Systems

Optima Concealed panels with Prelude XL HD 15/16" suspension system

armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Fine-textured panels with fully concealed suspension and downward accessibility;
ideal for projects where plenum space is limited. Offers high sound absorption.
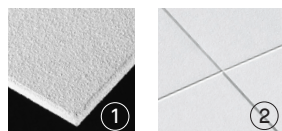
KEY SELECTION ATTRIBUTES

- DesignFlex® options include made-to-order sizes available to ship in 3 weeks
- Large format acoustical panels
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Articulation Class 190 and NRC 0.90

- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Mold- and mildew-resistant surface
- Smooth, clean, durable finish –
  Washable
  Scratch-resistant
  Soil-resistant

- Energy saving, high light-reflective finish
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Available with factory-cut holes for USAI® trimless downlight fixture integration
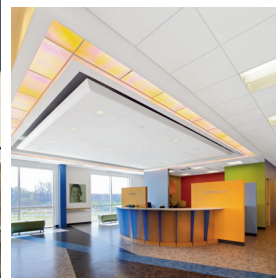
COLOR

White
(WH)

DETAILS

1. Optima® Concealed
2. Optima® Concealed with Prelude® XL® HD 15/16" suspension system

Armstrong®
World Industries

UP TO **71%** RECYCLED CONTENT

LEED® | WELL™ | LBC

Calculate sustainability with Green Genie™ armstrongceilings.com/greengenie

energy management · construction waste mgmt · regional materials · design for flexibility · EPD · recycled/extended producer resp. · biobased materials · recycled content · sourcing of raw materials · material ingredient reporting · low emitting/materials · lighting quality · acoustics

▲ LOCATION DEPENDENT

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VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

$$$$

	Susp. Dwg.	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class	Fire Performance	Light Reflect	Anti-Mold/Mildew	Sag Resistant	Fog	Wash	Scratch	Soil	30-Yr Warranty
OPTIMA® Concealed Quick Kerf™ Edge	106	8537	24 × 48 × 7/8"	0.90	N/A	N/A	190	Class A	0.88	•	•	•	•	•	•	•
		8535	24 × 72 × 7/8"	0.90	N/A	N/A	190	Class A	0.88	•	•	•	•	•	•	•
		8536	24 × 96 × 7/8"	0.90	N/A	N/A	190	Class A	0.88	•	•	•	•	•	•	•
Non-support Edge		8534	30 × 30 × 7/8"	0.90	N/A	N/A	190	Class A	0.88	•	•	•	•	•	•	•
		8538	48 × 48 × 7/8"	0.90	N/A	N/A	190	Class A	0.88	•	•	•	•	•	•	•
		8539	48 × 48 × 7/8"	0.80	26	N/A	190	Class A	0.88	•	•	•	•	•	•	•

7/8" Thick

Made-to-Order Sizes

1 Ctn Min FASTSIZE 3 WEEKS order to ship

	Width (short side)	Length (long side)
	24" – 96"	24" – 30"
	30-1/16" – 48"	24" – 48"

	UL Classified Acoustics	Total Acoustics	Articulation Class	Fire Performance	Light Reflect	Anti-Mold/Mildew	Sag Resistant	Fog	Wash	Scratch	Soil	30-Yr Warranty
Made-to-Order	N/A	N/A	N/A	N/A	Class A	0.88	•	•	•	•	•	•	•

Visit the product page online and see "Configure an Item" to verify capabilities. Questions? email Techline@armstrongceilings.com
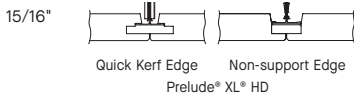
armstrongceilings.com/suspdwgs

[1] 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+)

FIXTURE TRIM

Item No.	Color	Length	PCS/CTN
CTK4ZW	Blizzard White	4" Concealed Fixture Kit	24
CTK6ZW	Blizzard White	6" Concealed Fixture Kit	24
CTK24ZW	Blizzard White	24" Concealed Fixture Kit	24
CTK48ZW	Blizzard White	48" Concealed Fixture Kit	24
CTK72ZW	Blizzard White	72" Concealed Fixture Kit	24
CTK96ZW	Blizzard White	96" Concealed Fixture Kit	24
Other Size Fixture Trims	Blizzard White (custom colors available)	4" to 96" Trim Pieces	–

Fixture trim kits include 24 straight trim pieces and required speed clips. Example: For a space with 24" x 48" fixtures, order (1) 24" kit CTK24ZW and (1) 48" kit CTK48ZW. This will frame (12) 24" x 48" fixtures.
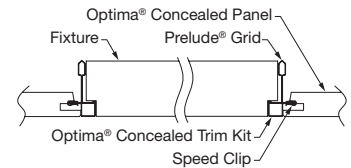
SUSPENSION SYSTEMS

15/16"

Quick Kerf Edge   Non-support Edge
Prelude® XL® HD

ACCESSORIES (must be ordered separately)

Item No.		
441		Border Clip for Vector® panels (required for installations with the suspension system resting on the wall molding). Primarily used for corners and special cutouts.
442A		Hold-down Clip for Vector® panels (for all installations)
7425 (24"), **7431** (30"), **7445** (48"), **7461** (60") Stabilizer Bars		
522		Midpoint Clip (Needed for panels over 30" wide)
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

AXIOM® TRIM DETAIL

Optima Concealed panels with Axiom Vector trim for cloud-friendly design. **Blizzard White** color and texture finish available to complement Optima ceiling panels.

Optima® Concealed Panel
Fixture
Prelude® Grid
Optima® Concealed Trim Kit
Speed Clip

PHYSICAL DATA

Material
8534, 8535, 8536, 8537, 8538 – Fiberglass with DuraBrite® acoustically transparent membrane. 8539 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing.

Surface Finish
DuraBrite 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
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.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order.

High Recycled Content
Contains 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
R Factor – 3.5 (BTU units); R Factor – 0.62 (Watts units)

Design Consideration
Use fixture trim kit around all lights, diffusers, and other ceiling penetrations to avoid exposed suspension system and panel edges. Panel sizes less than 24" × 24" are not recommended for full field installations.

Border panels in a seismic installation will not be accessible. To ensure border panels are accessible in other areas, consult installation instructions Section 3.7.2.

Installation Consideration
Optima Concealed panels must be installed on a square, level suspension system as tolerance is near zero.

Cleaning and Disinfecting
Cleaning and CDC-recommended disinfecting options available on armstrongceilings.com/cleaning

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com/warranty

Weight; Square Feet/Carton
8534 – 0.55 LBS/SF; 75 SF/CTN
8535 – 0.55 LBS/SF; 72 SF/CTN
8536, 8537 – 0.55 LBS/SF; 96 SF/CTN
8538, 8539 – 0.55 LBS/SF; 64 SF/CTN

Minimum Order Quantity
1 carton

Armstrong® World Industries

FIBERGLASS – Standard