

OPTIMA® Radial  
 Custom Lay-in & Tegular Ceiling System  
 fine texture



Optima® Radial Custom White with Prelude® XL® 15/16" custom suspension system



plus capabilities  
 to do more

[armstrongceilings.com/capabilities](http://armstrongceilings.com/capabilities)  
 See more photos at:  
[armstrongceilings.com/photogallery](http://armstrongceilings.com/photogallery)

Fine-texture panels designed for dramatic installations requiring outstanding acoustical performance.

KEY SELECTION ATTRIBUTES

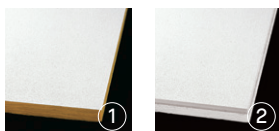
- Outstanding acoustical performance in both Articulation Class 190-200 and NRC 0.90-0.95
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Mold- and mildew-resistant surface
- Energy-saving high light-reflective finish
- Sag resistant large panels
- 30-Year Limited System Warranty against visible sag, and mold and mildew

COLOR



White  
 (WH)

DETAILS



1. Optima® Square Lay-in
2. Optima® Square Tegular

# OPTIMA® Radial

## Custom Lay-in & Tegal Ceiling System

fine texture

**LEED® WELL™ LBC**

UP TO **71% RECYCLED CONTENT**

Calculate sustainability with Green Genie® [armstrongceilings.com/greengenie](http://armstrongceilings.com/greengenie)

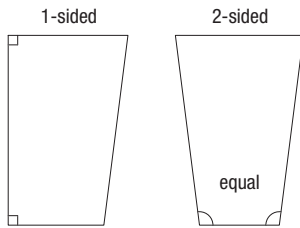
- energy management
- construction waste mgmt
- regional materials
- design for flexibility
- EPD
- recyclable/producer resp.
- biobased materials
- recycled content
- sourcing of raw materials
- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

LOCATION DEPENDENT

### OPTIMA® RADIAL SYSTEM OVERVIEW

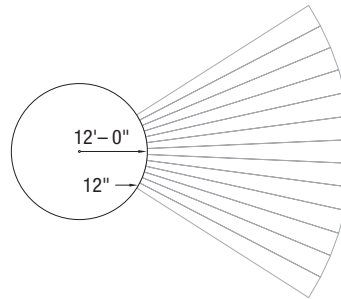
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	Panels	Length	Width	System Capabilities	Suspension System
OPTIMA® Radial	Custom Trapezoid Lay-in Custom Trapezoid Tegal	6" intervals from 24"-66"	12"-48"	Meets taper up to 5° Minimum inside radius 12" Center must be a separate component	Interlude®, Suprafine®, Prelude® (accessible) with custom cross tees



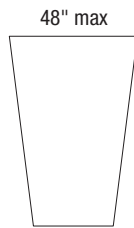
One-sided or symmetrical  
two-sided trapezoid

- One-sided:**
- Refer to Optima® Radial Technical Guide for additional capabilities
- Two-sided:**
- Each tapered side **MUST** be symmetrical
  - Refer to Optima Radial Technical Guide for additional capabilities



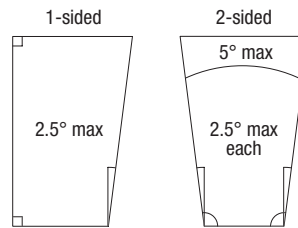
Minimum radius 12'-0"  
(12" minimum panel edge)

- Minimum Radius:**
- The minimum achievable radius is 12'. This is based on a minimum panel edge of 12" with the maximum tapers noted below
  - Optima Radial panels **CANNOT** be used inside this 12' radius - drywall may be a suitable alternative



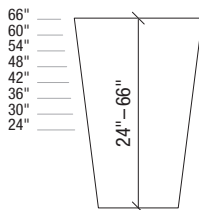
Width 12"-48"

- Width:**
- Trapezoid panels are available in widths from 12" to 48"



Taper maximum 2.5° angle  
per side

- Taper:**
- The maximum taper angle per side for all trapezoids is 2.5 degrees
  - For two-sided trapezoids, the taper angle must be equal on both sides (i.e., symmetrical) for a maximum of 5 degrees



Length 24"-66" in 6" increments

- Length:**
- 8 lengths are available in the following 6" increments: 24," 30," 36," 42," 48," 54," 60," and 66"

### PHYSICAL DATA

**Material**  
Fiberglass with DuraBrite® acoustically transparent membrane with or without CAC backing

**Surface Finish**  
DuraBrite 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.

**Primary (Embodied) Energy**  
See all LCA information on our EPDs.

**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**  
3/4" – R Factor – 3.0 (BTU units) 0.53 (Watts units)  
1" – R Factor – 4.0 (BTU units) 0.70 (Watts units)  
1-1/2" – R Factor – 6.0 (BTU units) 1.05 (Watts units)

**Weight; Square Feet/Carton**  
Sizes, weight, and square feet vary with order

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

**Minimum Order Quantity**  
1 carton

