

# USG Ceilings Plus® BARZ® + BRILLIANCE™

BAFFLES WITH INTEGRATED LINEAR LED SOLUTION



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To order samples, contact your local sales representative

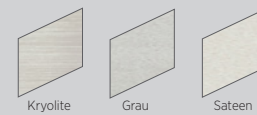
## SARANTE® - PVC FREE LAMINATE - ON METAL



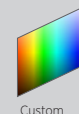
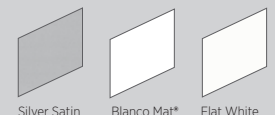
## TIMBRE™ - PRINTED WOOD GRAIN



## ANODIZED - ON METAL



## PAINTED - ON METAL



\*Available in exterior



## FEATURES AND BENEFITS

- Barz® baffles are now available with Brilliance™ lighting - a fully integrated linear LED lighting solution.
- Still fully accessible panelized cassette system with torsion spring grid attachment.
- Fully customizable.
- Fully integrated lighting reduces coordination and installation time with easy-to-specify BOM.
- Create custom ambient experiences with high-end lighting options, including Circadian and tunable white.
- Full Lighting calculation and design support available.

## APPLICATIONS

- Interior Applications
- New Construction
- Pods, Islands, and Clouds
- Downward Accessible
- Wall to Wall Ceilings

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**TECHNICAL SERVICES**  
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**FOR MOST UP-TO-DATE TECHNICAL INFORMATION AND LED REPORT TOOL**  
Contact your local sales rep.

**Declare.** Declare® Labels on select finishes, see usg.ecomedes.com for more details and documentation.

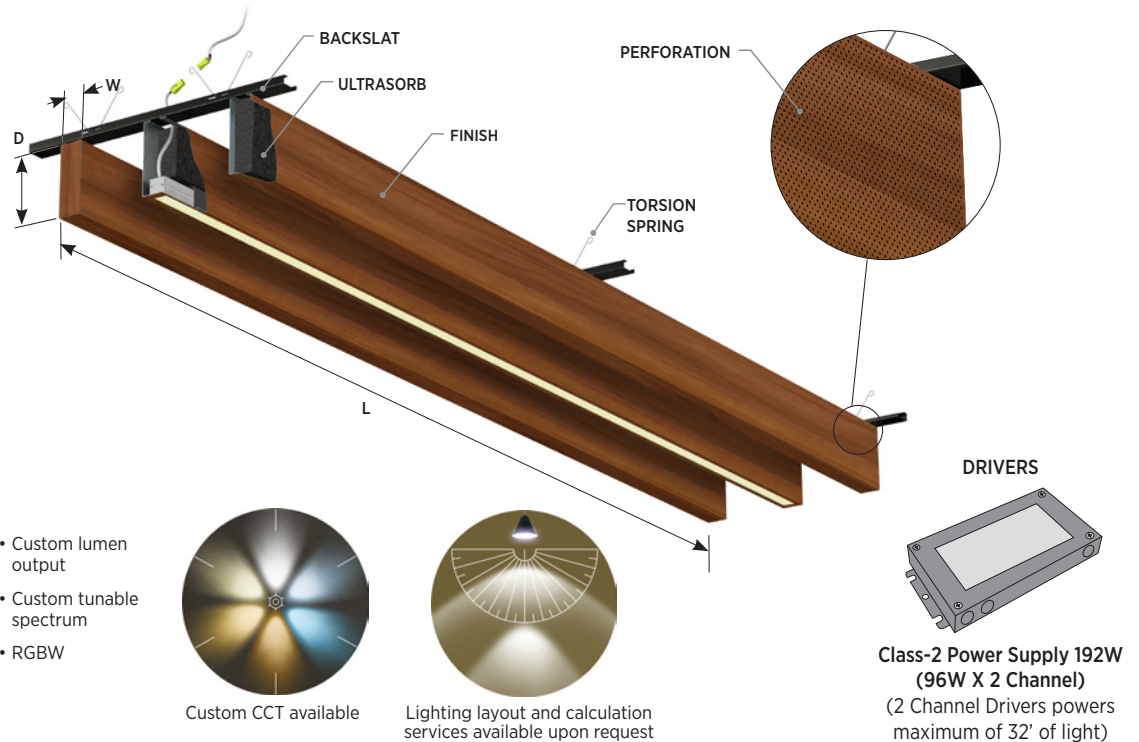
## PERFORMANCE OPTIONS (Ceiling Components)

Application	Grid Options	Finishes	Accessibility	Ceiling Open %	Acoustics	Array-NRC¹	Perforation	Fire Class	Recycled Content	Maintenance	Weight
Interior	Torsion Spring Tee Grid	Sarante®, Timbre™, Anodized, Painted	Full Downward	Varies	Ultrasorb	Up to 1.00 (Requires Ultrasorb and perforations)	Custom	Class A ASTM E84 CAN/ULC S102	Up to 95%, finish dependent (hardware excluded)	See architectural specification	Varies

## PERFORMANCE OPTIONS (Lighting Components)

Application	Integration	Classifications	Operating Voltage	Certification	Dimming	Light Output @ 3500K	Average Power Consumption (for 8' section)	CRI	R9
Interior	Full Integrated Design, Full Factory Installed Product	Driver - Class 2 NEMA 4x LED - IP65	120-277VAC input 24VDC output	UL LISTED	Dimmable Universal	419 lm/ft	5.9 W/ft	97	95

## DESIGN PARAMETERS



## CUSTOM LIGHT OPTIONS

- Custom lumen output
- Custom tunable spectrum
- RGBW

## BAFFLE SIZE GUIDELINES

- Maximum length is 8'
- Maximum width is 10" / max height of 12"
- Minimum width is 2" / min height of 4"
- Consult factory for custom panel size possibilities

## LIGHTING COLOR OPTIONS (CCT)

- 2700K - 5200K (Kelvin)
- TW (Tunable White - 2700K to 5200K)

## Low Emissions (VOC)

Certified low emitting performance for select finishes, meets CDPH 01350 v1.2 - 2017. Certificates of Compliance for Low VOC Emissions are available on usg.com and at usg.ecomedes.com.

## PHYSICAL DATA

**Additional Documents and Resources**  
Architectural Specification  
Installation Manual: IC329952, IC5465  
Handling Guide: IC518  
Warranty: SC2102

**Fire Classification**  
ASTM E84 and CAN/ULC S102 surface-burning characteristics (with Acoustibond backer)  
Class A  
Flame spread: 25 or less  
Smoke developed: 50 or less

**Suspension System**  
Supporting main tees are classified as Heavy Duty as classified per ASTM C635 when tested in accordance with ASTM E3090 and AC368.

**Seismic Compliance**  
Suspension System is included in ICC ES ESR 1222 for use in Seismic Design Categories A through F when installed according to ASTM C636 and ASTM E580. Alternate installation methods may be used when designed by a registered engineer and approved by the authority having jurisdiction. Test reports for suspension system performance may be available upon request.

## Integration

Barz® can accommodate a full range of LED lighting fixtures for any design intent. Air diffusers, speakers, sprinklers, and other ceiling attached accessories can also be integrated as well (independently suspended). CAD details are available online at www.ceilingplus.com.

## Modifications

Cassette systems are easily modified in the field with our template tools. These tools which provide easy precision cutting are standard supplied parts with each order. See our installation manual for details.

1. Array-NRC is calculated per ASTM C423 and varies with Barz® profile size, spacing of baffles, perforation pattern, and acoustic backer / infill material. Perforated Barz® spaced closely together with acoustic infill provide higher Array-NRC.

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IC307480/rev. 12-25  
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Manufactured by USG Interiors, LLC 550 West Adams Street Chicago, IL 60661

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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

