

USG Ceilings Plus® Design Solutions BARZ® + BRILLIANCE™

BAFFLES WITH INTEGRATED LINEAR LED SOLUTION



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To order samples, contact your local sales representative



Downward Accessible Installation

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.
- This pre-engineered offering of SKU's ships in 8 weeks or less.*
- Fully integrated lighting reduces coordination and installation time with easy-to-specify BOM.
- Static white color temperatures 3500K or 4000K options with IES files and AGi32/Revit database objects available.
- Full lighting layout calculations and design.

APPLICATIONS

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

FINISHES

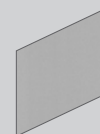
PAINTED - ON METAL



Blanco Mat*



Matte Black



Silver Satin
002

SARANTE® - PVC FREE LAMINATE - ON METAL



S-22
Oak Line



S-15
Blond Pear



S-37
Dark Jatoba



Full Sarante®
offering
available as
a premium

ACOUSTICS



Ultrasorb
(infill or lay-in)

PERFORATION



CD06310 (SD-7)
10% Open
(perforated on
sides of baffle)

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ORDER SAMPLES/LITERATURE

Contact your local sales rep.

FOR MOST UP-TO-DATE

TECHNICAL INFORMATION

AND LEED REPORT TOOL

Contact your local sales rep.

TECHNICAL SERVICES

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®, Painted	Full Downward	71%	Ultrasorb	0.75 (Ultrasorb infill) / 1.40 (Ultrasorb infill + lay-in)	CD06310 (SD-7)	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 UL Listed	Dimmable Universal	419 lm/ft	5.9 W/ft	97	95

DESIGN PARAMETERS

Single Light Option
(Lighted baffles may be detached and rearranged during installation)

Double Light Option

3 Size Modules:
(lights not shown)

Profiles:
2" x 6"

Light Color Options (CCT):

- 3500K
- 4000K

CUSTOM LIGHT OPTIONS

- Custom lumen output
- Custom tunable spectrum
- RGBW

Custom CCT available

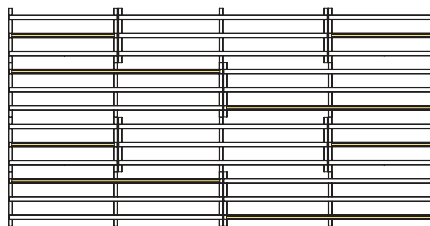
Lighting layout and calculation services available upon request

DRIVERS

Class-2 Power Supply 192W (96W X 2 Channel)
(2 channel drivers powers maximum of 32' of light)

REFERENCE LAYOUT:

- 24" x 48" (4)
- 24" x 96" (6)



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 AC308.

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.

*Lead Times

For projects up to 2500 square feet.

1. Array-NRC is calculated per ASTM C423 for the specific Barz® assembly identified.

Notice

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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.

