



# DC FLEX ZONE™ Suspension System

For more  
sustainable, energy  
efficient buildings

Inspiring Great Spaces®

**Armstrong**®  
CEILING SOLUTIONS

# the power is in the grid

Increase building flexibility, sustainability and energy savings with DC FlexZone™ Suspension System.



“We were able to simply snap fixtures into the grid wherever needed.”

Mike Gilmore  
PNC Director of Design and  
Construction Services

## What is DC FlexZone Suspension System?

The DC FlexZone Suspension System distributes safe, low-voltage direct current (DC) electrical power through the acoustical ceiling suspension system (grid).

## Why use DC FlexZone Suspension System?

DC FlexZone can be an integral part of a net zero energy building strategy providing more efficient lighting and direct use of on-site renewable energy. Plus, it gives you plug and play flexibility throughout the building.

## Want to earn CEU credits?

Learn about the benefits of integrating DC power into your project for improved sustainability and energy savings by taking the AIA and GBCI approved continuing education course online.

# SYSTEM OVERVIEW



What sustainability leaders are saying about DC FlexZone Suspension System:

“As a leader in sustainability, we’re interested in anything that saves energy. The grid goes an extra step because it deals with direct current, which saves the energy needed to convert AC to DC.”

**Mike Gilmore**  
PNC Director of Design and Construction Services

“DC grid will be the power distribution system of the future. We see it as a potential game-changer for energy efficiency, flexible lighting, and renewable energy, and, as a result, are actively discussing the concept with the highest and most aggressive building developers in the country.”

**Peter Rumsey**  
Integral Group Director  
West Coast

## DC FlexZone Suspension System

- ▶ DC FlexZone Suspension System is a “Power Distribution Platform”
- ▶ Each main beam becomes its own electrical circuit – 24VDC, 100 Watts, “Safe to Touch”, Class 2
- ▶ Powered main beam: Suprafine has 1 circuit  
Silhouette has 2 circuits
- ▶ Only the main beams receive power, all other ceiling and suspension components are standard
- ▶ DC FlexZone Suspension System is installed like any other acoustical ceiling, electricians simply “wire up” the grid instead of every light fixture
- ▶ At least 2.0 watts/SF of power is delivered through the ceiling, more than enough for lighting and other plenum-based electrical devices like sensors

## Power Supply

- ▶ A power supply connects to the building’s AC power and converts it to 24 Volt direct current (DC)
- ▶ Optional for the power supply to be directly connected to a renewable on-site source, like solar

## Power Cables

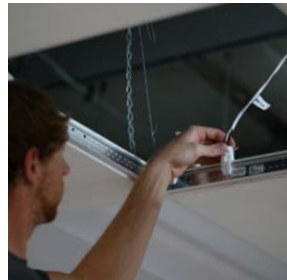
- ▶ Power cables bring power from the power supply to the DC FlexZone Suspension System via special connector slots on the grid
- ▶ Each main beam receives power so it’s available wherever you need it

## Devices

- ▶ Device cables bring power from the DC FlexZone Suspension System to devices anywhere along the main beam – just “plug and play”
- ▶ Compatible fixtures from lighting companies include:
  - 2’ x 2’, 2’ x 4’, Pendant and Downlight fixtures
  - Compact Fluorescent, Fluorescent and LED lighting technology

## Controls

- ▶ Audacy™ Wireless Controls by Ideal



# TAKE THE NEXT STEP

## 1 877 276-7876

Customer Service Representatives  
7:45 a.m. to 5:00 p.m. EST  
Monday through Friday

**TechLine** – Technical information, detail drawings,  
CAD design assistance, installation information,  
other technical services – 8:00 a.m. to 5:30 p.m. EST,  
Monday through Friday. FAX 1 800 572 8324  
or email: [techline@armstrongceilings.com](mailto:techline@armstrongceilings.com)

## [armstrongceilings.com/commercial](http://armstrongceilings.com/commercial)

Latest product news  
Standard and custom product information  
Online catalog  
CAD, Revit®, SketchUp® files  
A Ceiling for Every Space® Visual Selection Tool  
Product literature and samples – express service  
or regular delivery  
Contacts – reps, where to buy, who will install

## YOU INSPIRE™ SOLUTIONS CENTER

1 800 988 2585  
email: [solutionscenter@armstrongceilings.com](mailto:solutionscenter@armstrongceilings.com)  
[armstrongceilings.com/youinspire](http://armstrongceilings.com/youinspire)

### Design Assistance

Collaborative design  
Detail drawings  
Specifications  
Planning and budgeting

### Pre-construction Assistance

Layout drawings for standard  
and premium products  
Project installation recommendations  
Contractor installation assistance

**you inspire™**  
solutions center

helping to bring your one-of-a-kind ideas to life



Printed on recyclable paper  
with vegetable-based inks.  
Please Recycle. ♻️

Revit® is a registered trademark of Autodesk, Inc.; SketchUp® is a registered trademark of Trimble Navigation Limited;  
LEED® is a registered trademark of the U.S. Green Building Council.  
Inspiring Great Spaces® is a registered trademark of AFI Licensing LLC  
All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates  
© 2017 AWI Licensing LLC Printed in the United States of America

[armstrongceilings.com/dcflexzone](http://armstrongceilings.com/dcflexzone)

Inspiring Great Spaces®

**Armstrong®**  
CEILING SOLUTIONS