

DC FLEXZONE™ – Silhouette® 1/4" Reveal

9/16" Slot System



DC Techzone™ Silhouette®

Vector profile


KEY SELECTION ATTRIBUTES

- Main beams only with integrated electrical conductors capable of distributing power to electrical devices such as light fixtures and sensors
- UL Listed and EMerge Alliance® Registered for use in 24VDC power distribution systems
- DC circuits available on top bulb and in slot reveal
- Integrates with standard cross tees, moldings, and accessories for Silhouette 1/4" Reveal suspension systems
- Installed acoustically as part of the overall ceiling system, with electrical connections to the grid made subsequently by qualified electricians
- High recycled content, galvanized steel for durability and sustainable design
- Crisp reveal installs virtually flush with Tegular ceiling panel surface for monolithic appearance
- Seismic performance with heavy-duty load rating meets the most stringent codes

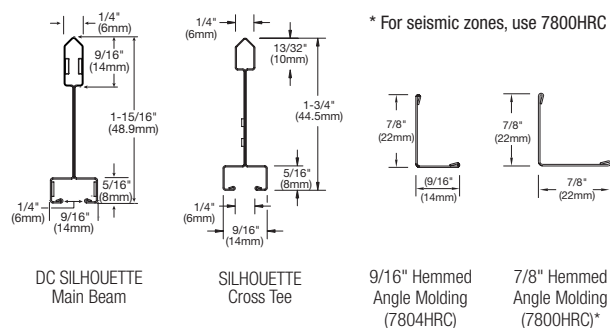
TYPICAL APPLICATIONS

- Offices
- Retail
- Education
- Hospitality
- Healthcare

VISUAL SELECTION

Grid Face	Item No.*	Description	Dimensions	Hanger Spacing		Seismic Category	Total Recycled Content	Total Post-Consumer Content	PCS/ Ctn.	LFT/ Ctn.
				Lbs./Lin. Ft.						
				4ft	5ft.					
DC Main Beams										
9/16"	DC760106	6' HD Main Beam Routes 12" OC, Notched 24" OC	72" x 9/16" x 1-3/4" x 1/4"	16.44	8.49	•	44%	37%	10	60
9/16"	DC760108	8' HD Main Beam Routes 12" OC, Notched 24" OC	96" x 9/16" x 1-3/4" x 1/4"	16.44	8.49	•	44%	37%	10	80
9/16"	DC760110	10' HD Main Beam Routes 12" OC, Notched 24" OC	120" x 9/16" x 1-3/4" x 1/4"	16.44	8.49	•	44%	37%	10	100
9/16"	DC760112	12' HD Main Beam Routes 12" OC, Notched 24" OC	144" x 9/16" x 1-3/4" x 1/4"	16.44	8.49	•	44%	37%	10	120
Non-Powered Border Mains										
9/16"	760106	6' HD Border Main Beam Routes 12" OC, Notched 24" OC	72" x 9/16" x 1-3/4" x 1/4"	16.44	8.49	•	61%	50%	20	120
Accessories										
	DCINS	Insulator Cap	2"						100	N/A
	BACG90A	Brace Attachment Clip							250	N/A
	UPC	Partition Clip							200	N/A

DETAILS AND GRID INTERSECTION



DC SILETOUTE
Main Beam

SILETOUTE
Cross Tee

9/16" Hemmed
Angle Molding
(7804HRC)

7/8" Hemmed
Angle Molding
(7800HRC)*

INSTALLATION INSTRUCTIONS

- DC main beams shall not be field cut.
- Non-powered Border Mains (Item 760106) shall be used and field cut at perimeters.
- Four different lengths of DC main beams are available to accommodate design.
- Reflected ceiling plans should indicate orientation, location, and length of DC powered mains and field-cut border mains. Installers should follow the RCP.
- Do not use predesignated factory power key slots for hanger wire.
- Do not use metal bolts in slot reveal.
- Use Insulator Caps (Item DCINS) over any clips that touch the integrated conductors.
- Do not screw through the bulb of a DC Main.
- Use BAC (Item BACG90A) Clips for any screw attachments for seismic applications and bracing.
- Use Partition Clips (UPC) screwed to the web of the grid for any attachments to the underside of the grid.



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ELECTRICAL DATA

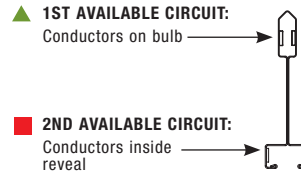
- After DC main beams have been installed as part of an acoustical ceiling suspension system, qualified electricians make all electrical connections to grid mains.
- Each DC main is designed to mate with EMerge Alliance® Registered power distribution cable assemblies at designated locations along the length of each main.
- Each DC main is considered a Class 2 circuit(s) when electrically connected.
- DC mains are intended to deliver 24 Volt Direct Current (DC) power to one or more electrical devices equipped with EMerge compliant connectors that are flexibly connected to grid.

Electrical Capacity: 24 Volt DC, 4.1 Amps, 100 Watts on each Class 2 circuit (i.e., top bulb & bottom box)

Electrical Code Compliance: NEC Class 2, UL 2577 Listed, EMerge Alliance® Registered

Wiring: 12 AWG copper solid flat conductor, tin finish

WARNING: DC MAIN BEAMS ARE NOT INTENDED FOR USE WITH AC LINE VOLTAGE.

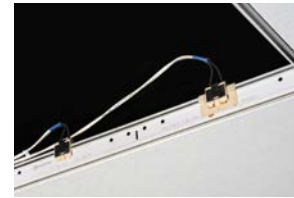
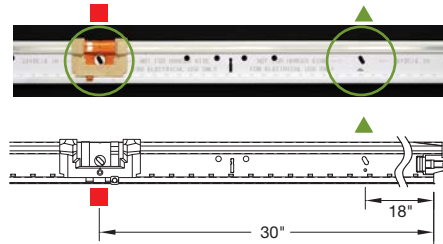


DC Silhouette Mains contain electrical conductors along the top "bulb" and within the bottom "reveal" of the grid bus bar, providing capability for two separate Class 2 circuits on each main.

IMPORTANT ELECTRICAL CONNECTIONS

24 Volt DC Class 2 power shall be connected in a predesignated factory power key slot on the DC Silhouette main beam. The two available circuits on DC Silhouette mains are located 18" from each end* for power to the top "bulb" and 30" from each end* for power to the bottom "reveal."

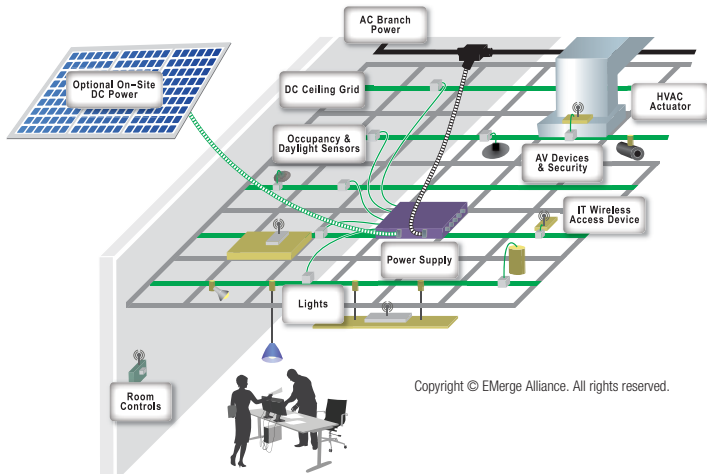
NOTE: Power slots are available on one end only on 6' DC mains.



DC FlexZone Silhouette shown with TE Connectivity Low Voltage DC Power Feed Cable Assemblies.

DC FLEXZONE CEILING SYSTEM PARTNERS

DC FlexZone Ceiling Grid Systems are designed for use with compatible power, infrastructure, lighting compatible and controls products available from DC FlexZone Compatible Partners.



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Power Distribution and Controls

AUDACY
ADVANCED WIRELESS SOLUTIONS BY **IDEAL**

Lighting Options

JLC • tech

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CREATING SUSTAINABLE CEILING SYSTEMS

Maximize your sustainable ceiling system by combining DC FlexZone – Silhouette with the following sustainable Tegular ceiling panels:

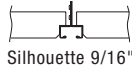


ULTIMA® Ceiling-2-Ceiling™

1912HRC
1915HRC

Dimensions

2' x 2' x 3/4"
2' x 4' x 3/4"



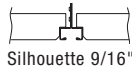
Silhouette 9/16"

CIRRUS® Ceiling-2-Ceiling™

589HRC
539HRC

Dimensions

2' x 2' x 3/4"
2' x 4' x 3/4"



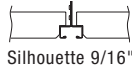
Silhouette 9/16"

DUNE™ Ceiling-2-Ceiling™

1775HRC
1777HRC

Dimensions

2' x 2' x 5/8"
2' x 4' x 5/8"



Silhouette 9/16"

PHYSICAL DATA

Material

Double-web hot dipped galvanized steel made from USA produced recycled steel. Plastic insulated copper bus conductors. NOTE: Item 760106 Border Main steel only/no conductors.

Surface Finish

Baked polyester paint on steel. Tin finish on conductors.

Face Dimension

9/16"

Profile

Slot Reveal

Cross Tee/Main Beam Interface

Mitered

End Detail

Main Beam: Coupling
Cross Tee: Staked-on clip

Duty Classification

Heavy-duty

ASTM C635

Heavy-duty main beam classification, commercial-quality galvanized steel. Steel surface chemically cleansed and prefinished in baked polyester paint.

Seismic Performance

Main beams – DC7601xx – all lengths
Minimum Lbs. to pull out compression/tension – 387.6

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

