

LOGIX™ INTEGRATED CEILING SYSTEMS

CRITICAL SYSTEM DIMENSIONS

With Logix™ Brand Integrated Ceiling Systems from USG, you can design ceilings that meet building requirements without being constrained by the limits of traditional acoustical ceilings. Logix transforms visual distractions such as lighting, air vents, and other utilities into dramatic design elements by concentrating these fixtures on narrow bands that run the length of a ceiling. This allows for open ceilings that are uncluttered by ceiling utilities.

A wide selection of acoustical and specialty panels as well as corresponding suspension system components and accessories are available to enhance and customize your design. Plus, with a wide selection of Logix partners, you can be assured that ceiling utilities will complement your design and integrate seamlessly into the ceiling.

This guide is a comprehensive resource for the critical dimensions of a Logix Integrated Ceiling System.¹

LOGIX™ Integrated Ceiling Systems



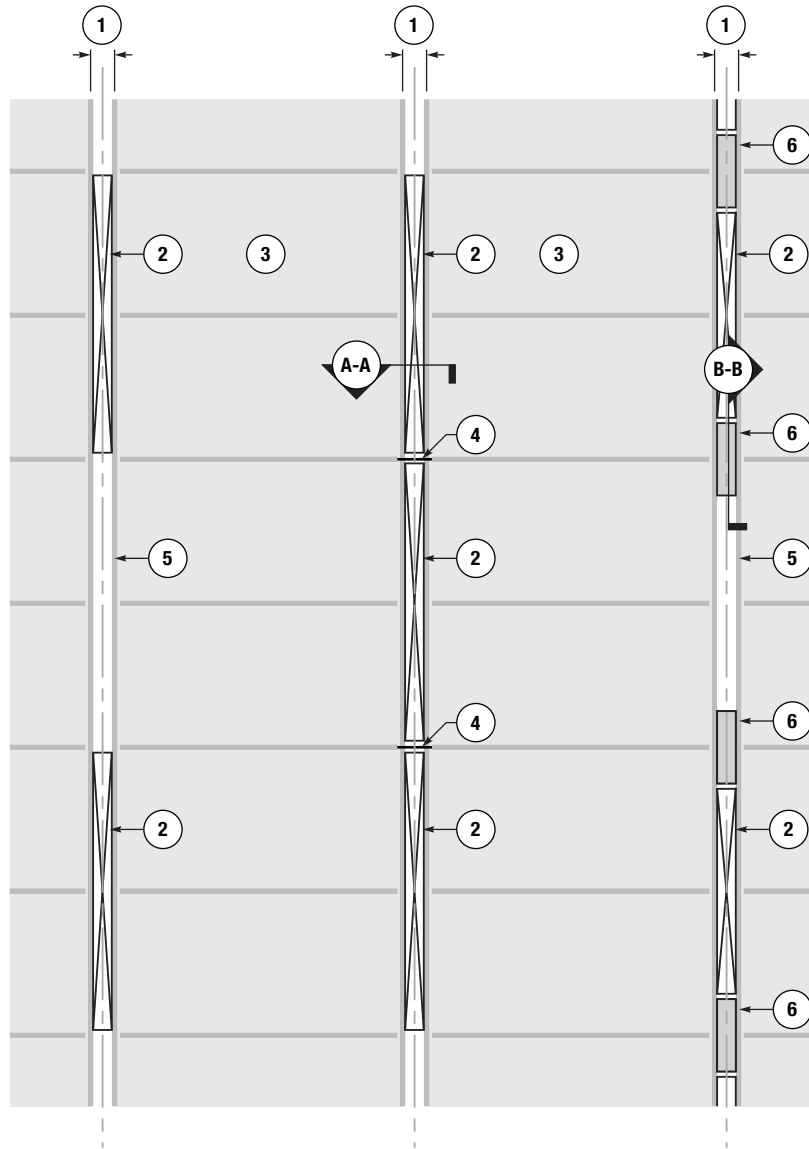
¹Please refer to IS268 for complete information about the various layouts and sizes available.

LOGIX™ INTEGRATED CEILING SYSTEMS

Integration with Lighting and Mechanical Systems

Example Reflected Ceiling Plan (RCP) Layout

- ① Utility Channel
- ② Opening for Luminaire or Mechanical Grille
- ③ Infill Panel
- ④ Yoke¹
- ⑤ Channel Panel
- ⑥ Connector Panel
Details on pages 15-18
- A-A Channel Section
Yoke Assembly
Details on pages 3-5
- B-B Channel Section
Connector
Panel Assembly
Details on Pages 17-18



Note: This is one reflected ceiling plan (RCP) layout. Numerous configurations are possible. Please contact your sales representative for more information.

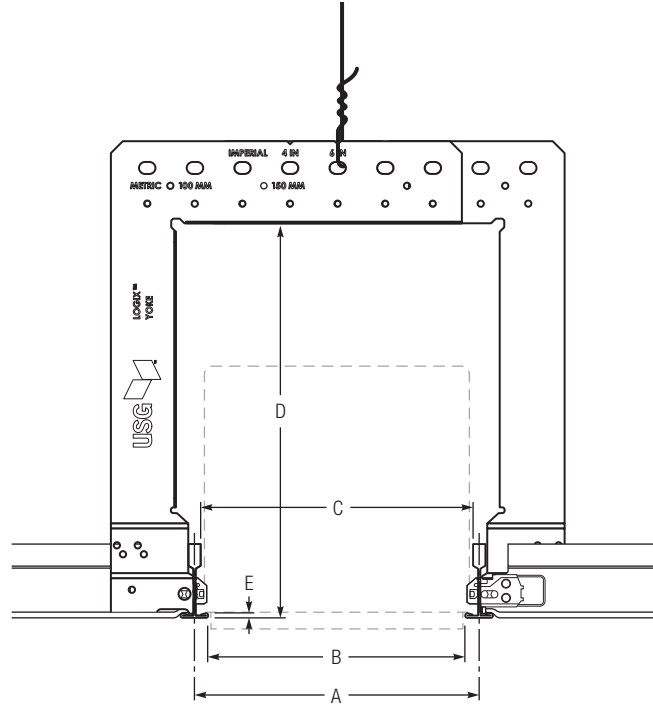
¹The USG Logix yoke is an optional suspension system installation accessory that facilitates the spacing and suspension of parallel main tees with one hanger wire. The Logix yoke is compatible with both metric and imperial utility channel sizes. The yoke also keeps hanger wire wraps away from linear luminaires and can reduce the number of hanger wires required. The yoke also helps to brace the utility channel.

LOGIX™ INTEGRATED CEILING SYSTEMS

Integration with Lighting and Mechanical Systems

CHANNEL SECTION A-A

Centricitee™ DXT™



CHANNEL CLEARANCES

		A	B	C	D	E
	Channel Profiles	Channel Spacing o.c.	Clear Opening	Clear Space	Clear Depth	Grid Height (Reveal)
Imperial	4 in. Channel	4.000 in.	3.425 in.	3.750 in.	8.187 in.	0.050 in.
	6 in. Channel	6.000 in.	5.425 in.	5.750 in.	8.187 in.	0.050 in.
	12 in. Channel	12.000 in.	11.425 in.	11.750 in.	8.187 in.	0.050 in.
Metric	100 mm	100 mm	85.40 mm	93.65 mm	207.95 mm	1.27 mm
	150 mm	150 mm	135.40 mm	143.65 mm	207.95 mm	1.27 mm
	300 mm	300 mm	285.40 mm	293.65 mm	207.95 mm	1.27 mm

CHANNEL LENGTHS AND INFILL PANEL

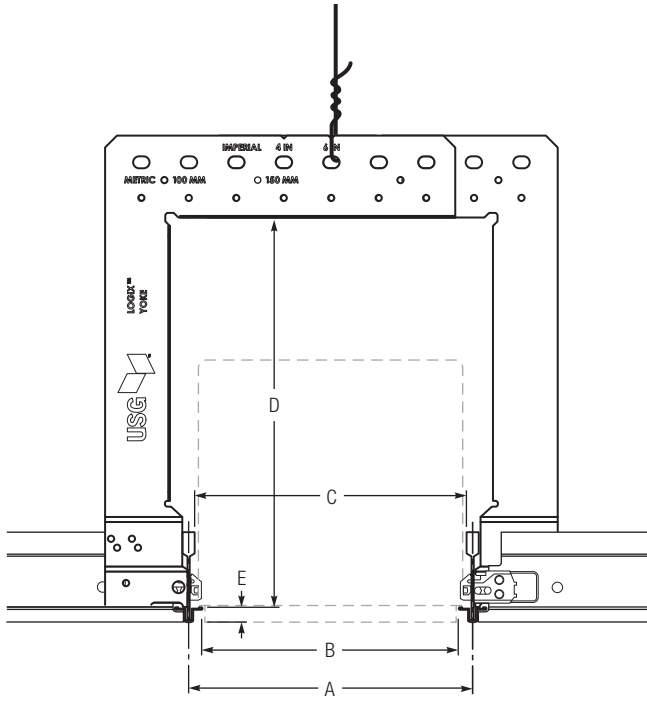
Channel lengths can vary to meet the architectural design intent. Coordination of light fixtures, mechanical grilles, channel panels, and infill panels can vary based on function and architectural design intent. Contact your sales representative for more information.

LOGIX™ INTEGRATED CEILING SYSTEMS

Integration with Lighting and Mechanical Systems

CHANNEL SECTION A-A

Identitee™



CHANNEL CLEARANCES

		A	B	C	D	E
	Channel Profiles	Channel Spacing o.c.	Clear Opening	Clear Space	Clear Depth	Grid Height (Reveal)
Imperial	4 in. Channel	4.000 in.	3.438 in.	3.750 in.	8.187 in.	0.272 in.
	6 in. Channel	6.000 in.	5.438 in.	5.750 in.	8.187 in.	0.272 in.
	12 in. Channel	12.000 in.	11.438 in.	11.750 in.	8.187 in.	0.272 in.
Metric	100 mm	100 mm	85.73 mm	93.65 mm	207.95 mm	6.91 mm
	150 mm	150 mm	135.73 mm	143.65 mm	207.95 mm	6.91 mm
	300 mm	300 mm	285.73 mm	293.65 mm	207.95 mm	6.91 mm

CHANNEL LENGTHS AND INFILL PANEL

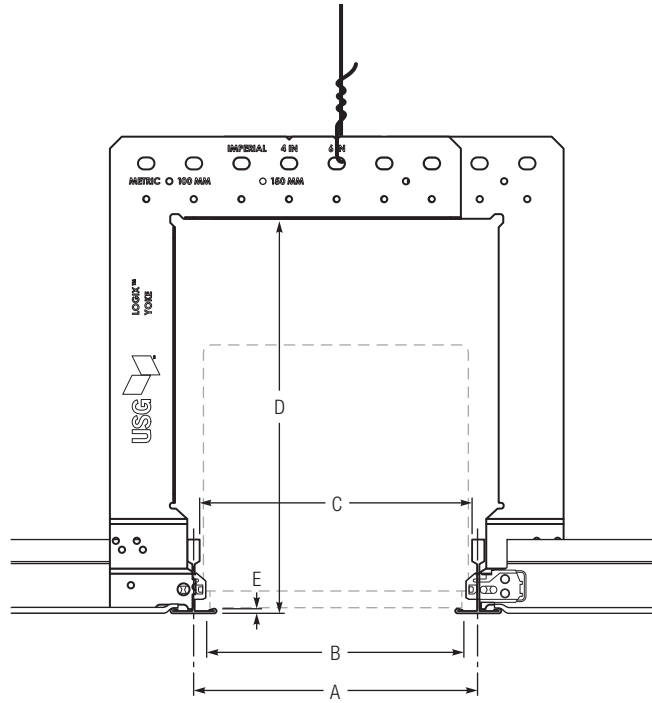
Channel lengths can vary to meet the architectural design intent. Coordination of light fixtures, mechanical grilles, channel panels, and infill panels can vary based on function and architectural design intent. Contact your sales representative for more information.

LOGIX™ INTEGRATED CEILING SYSTEMS

Integration with Lighting and Mechanical Systems

CHANNEL SECTION A-A

Donn® DX® DXL™



CHANNEL CLEARANCES

		A	B	C	D	E
	Channel Profiles	Channel Spacing o.c.	Clear Opening	Clear Space	Clear Depth	Grid Height (Reveal)
Imperial	4 in. Channel	4.000 in.	3.063 in.	3.750 in.	8.187 in.	0.050 in.
	6 in. Channel	6.000 in.	5.063 in.	5.750 in.	8.187 in.	0.050 in.
	12 in. Channel	12.000 in.	11.063 in.	11.750 in.	8.187 in.	0.050 in.
Metric	100 mm	100 mm	76.19 mm	93.65 mm	207.95 mm	1.27 mm
	150 mm	150 mm	126.19 mm	143.65 mm	207.95 mm	1.27 mm
	300 mm	300 mm	276.19 mm	293.65 mm	207.95 mm	1.27 mm

CHANNEL LENGTHS AND INFILL PANEL

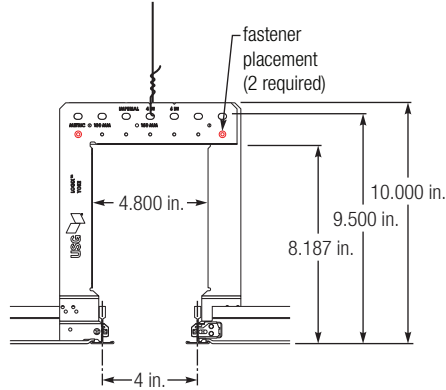
Channel lengths can vary to meet the architectural design intent. Coordination of light fixtures, mechanical grilles, channel panels, and infill panels, can vary based on function and architectural design intent. Contact your sales representative for more information.

LOGIX™ INTEGRATED CEILING SYSTEMS

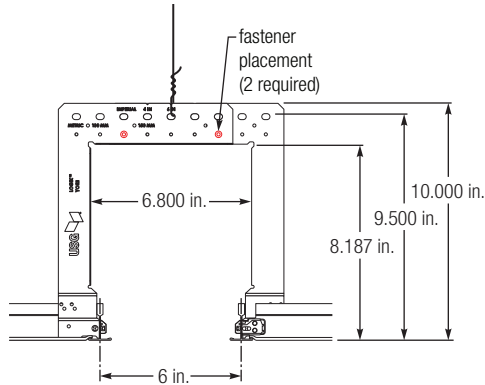
Yoke Configurations

The USG Logix Yoke is an optional suspension system installation accessory that facilitates the spacing and suspension of parallel main tees with one hanger wire. The Logix yoke is compatible with both metric and imperial utility channel sizes. The yoke also keeps hanger wire wraps away from linear luminaires and can reduce the number of hanger wires required. The yoke also helps to brace the utility channel.

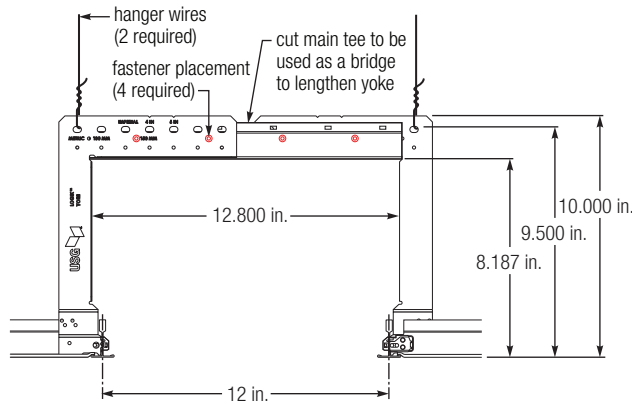
IMPERIAL
4" CHANNEL



6" CHANNEL



12" CHANNEL

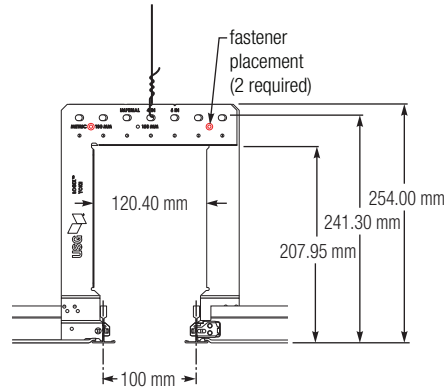


LOGIX™ INTEGRATED CEILING SYSTEMS

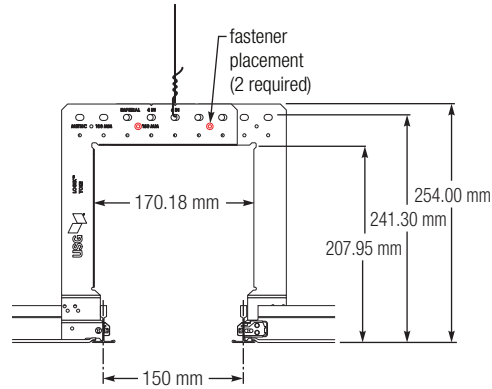
Yoke Configurations

METRIC

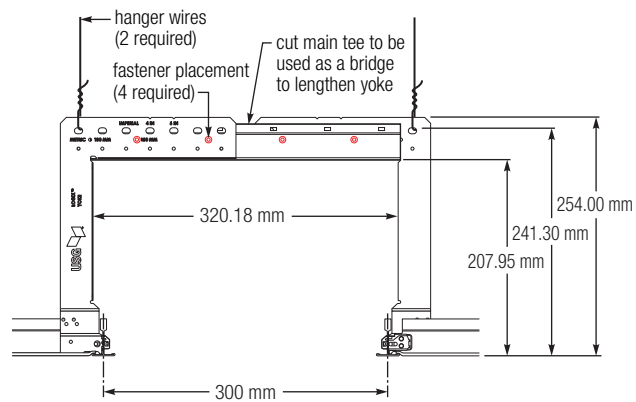
100 MM CHANNEL



150 MM CHANNEL



300 MM CHANNEL

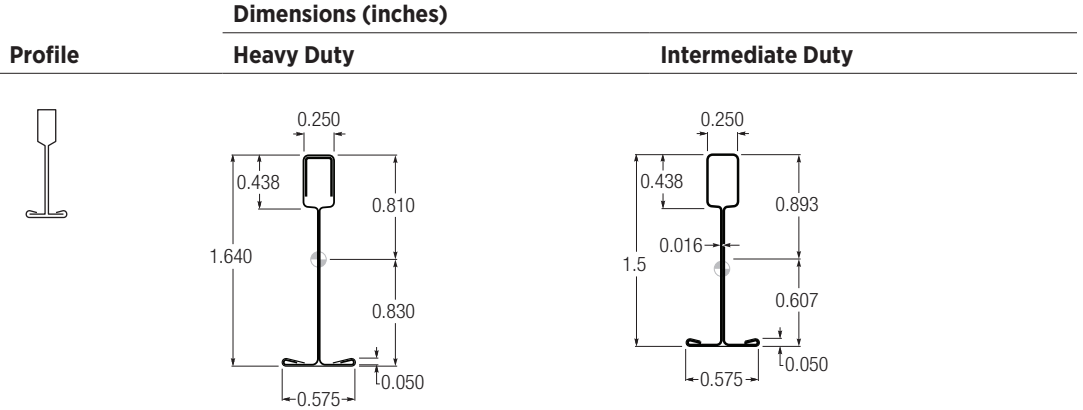


Logix Integrated Ceiling Systems

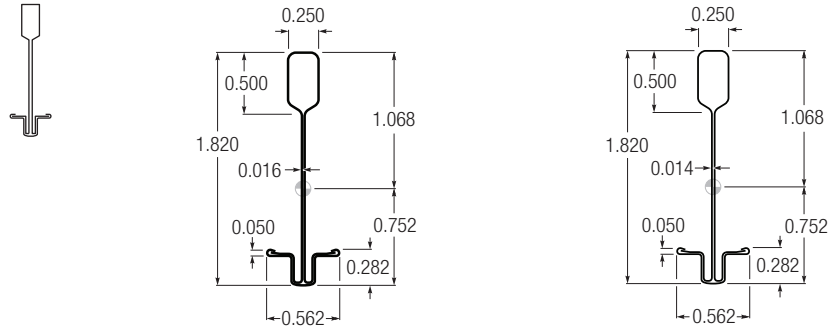
LOGIX™ INTEGRATED CEILING SYSTEMS

Suspension System Dimensions

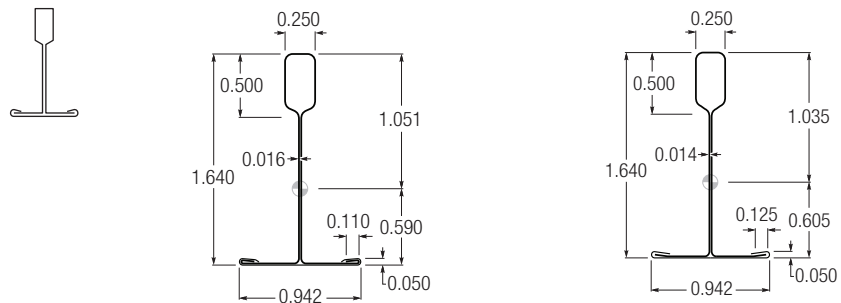
CENTRICITEE™ DXT™



IDENTITEE® DXI™



DONN® DX®/DXL™



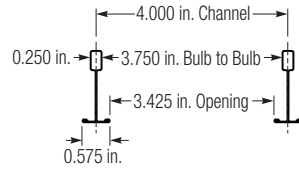
Note: Figures above are inch dimensions.

CHANNEL WIDTHS

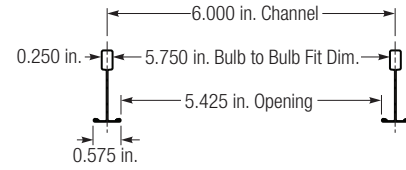
Centricitee™ DXT™

IMPERIAL

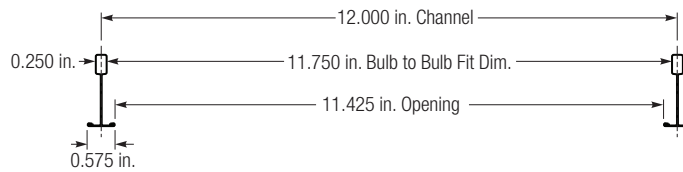
4 in. Channel



6 in. Channel

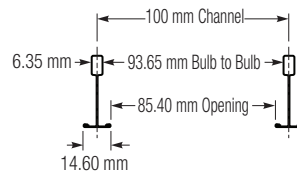


12 in. Channel

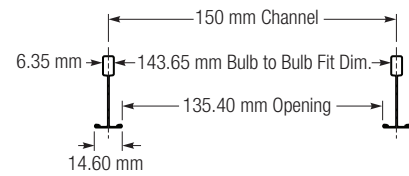


METRIC

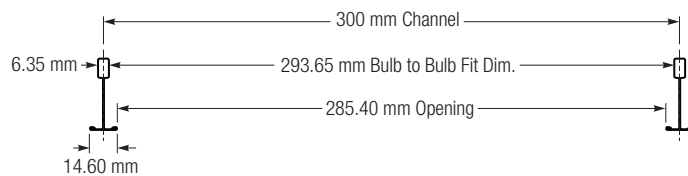
100 mm Channel



150 mm Channel



300 mm Channel

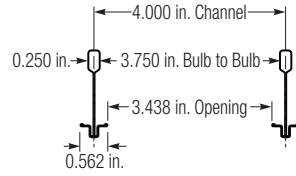


CHANNEL WIDTHS

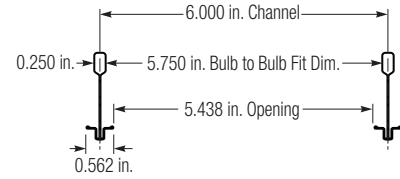
Identitee® DXI™

IMPERIAL

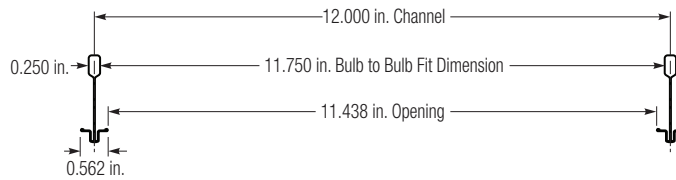
4 in. Channel



6 in. Channel

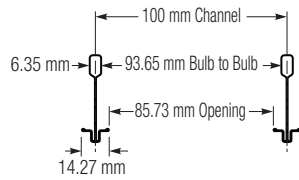


12 in. Channel

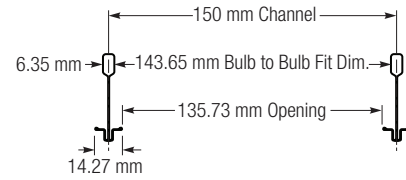


METRIC

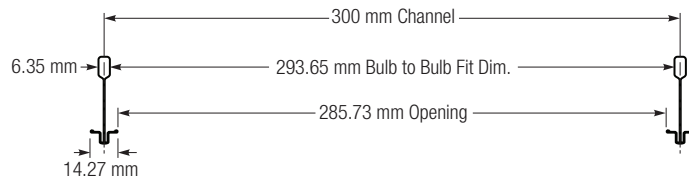
100 mm Channel



150 mm Channel



300 mm Channel

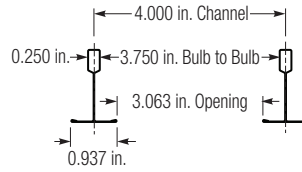


CHANNEL WIDTHS

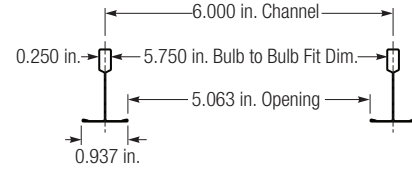
Donn® DX®/DXL™

IMPERIAL

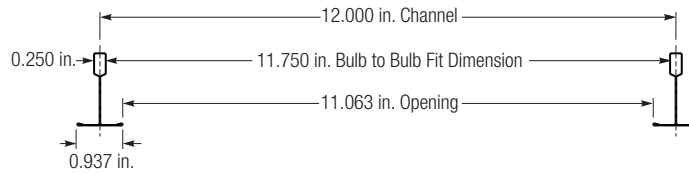
4 in. Channel



6 in. Channel

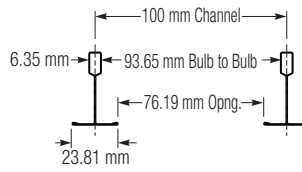


12 in. Channel

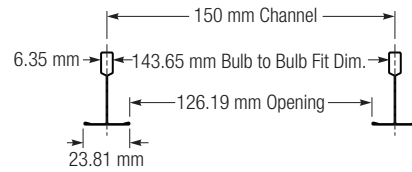


METRIC

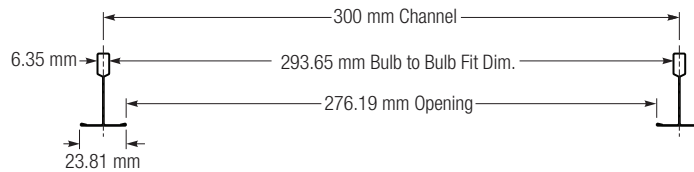
100 mm Channel



150 mm Channel

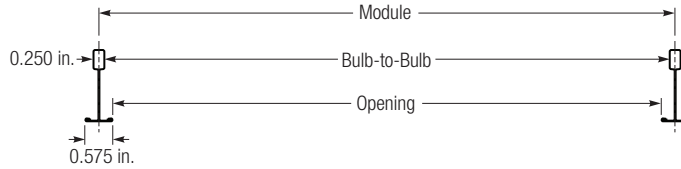


300 mm Channel



INFILL DIMENSIONS

Centricitee™ DXT™

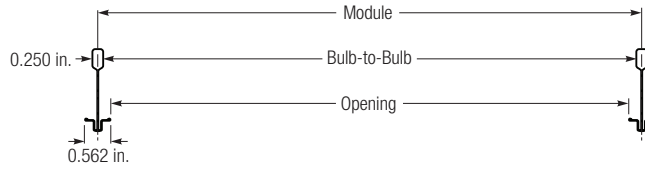


IMPERIAL

Module	Bulb-to-Bulb		Opening	
	Max.	Min.	Max.	Min.
20 in.	19.75 in.	19.719 in.	19.437 in.	19.409 in.
24 in.	23.75 in.	23.719 in.	23.437 in.	23.409 in.
30 in.	29.75 in.	29.719 in.	29.437 in.	29.409 in.
48 in.	47.75 in.	47.719 in.	47.437 in.	47.409 in.
60 in.	59.75 in.	59.719 in.	59.437 in.	59.409 in.
72 in.	71.75 in.	71.719 in.	71.437 in.	71.409 in.
96 in.	95.75 in.	95.719 in.	95.437 in.	95.409 in.
120 in.	119.75 in.	119.719 in.	119.437 in.	119.409 in.
METRIC				
300 mm	293.7 mm	292.9 mm	276.200 mm	276.176 mm
600 mm	593.7 mm	592.9 mm	576.200 mm	576.176 mm
1200 mm	1193.7 mm	1192.9 mm	1176.200 mm	1176.176 mm
2400 mm	2393.7 mm	2392.9 mm	2376.200 mm	2376.176 mm

INFILL DIMENSIONS

Identitee® DXI™

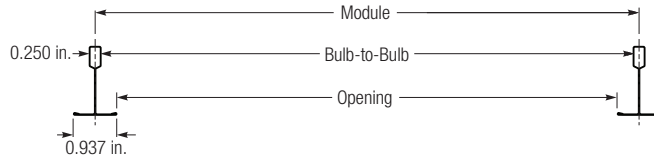


IMPERIAL

Module	Bulb-to-Bulb		Opening	
	Max.	Min.	Max.	Min.
20 in.	19.75 in.	19.719 in.	19.437 in.	19.409 in.
24 in.	23.75 in.	23.719 in.	23.437 in.	23.409 in.
30 in.	29.75 in.	29.719 in.	29.437 in.	29.409 in.
48 in.	47.75 in.	47.719 in.	47.437 in.	47.409 in.
60 in.	59.75 in.	59.719 in.	59.437 in.	59.409 in.
72 in.	71.75 in.	71.719 in.	71.437 in.	71.409 in.
96 in.	95.75 in.	95.719 in.	95.437 in.	95.409 in.
120 in.	119.75 in.	119.719 in.	119.437 in.	119.409 in.
METRIC				
300 mm	293.7 mm	292.9 mm	285.70 mm	285.09 mm
600 mm	593.7 mm	592.9 mm	585.70 mm	585.09 mm
1200 mm	1193.7 mm	1192.9 mm	1185.70 mm	1185.09 mm
2400 mm	2393.7 mm	2392.9 mm	2385.70 mm	2385.09 mm

INFILL DIMENSIONS

Donn® DX®/DXL™



IMPERIAL

Module	Bulb-to-Bulb		Opening	
	Max.	Min.	Max.	Min.
20 in.	19.75 in.	19.719 in.	19.075 in.	19.051 in.
24 in.	23.75 in.	23.719 in.	23.075 in.	23.051 in.
30 in.	29.75 in.	29.719 in.	29.075 in.	29.051 in.
48 in.	47.75 in.	47.719 in.	47.075 in.	47.051 in.
60 in.	59.75 in.	59.719 in.	59.075 in.	59.051 in.
72 in.	71.75 in.	71.719 in.	71.075 in.	71.051 in.
96 in.	95.75 in.	95.719 in.	95.075 in.	95.051 in.
120 in.	119.75 in.	119.719 in.	119.075 in.	119.051 in.
METRIC				
300 mm	293.7 mm	292.9 mm	276.200 mm	276.176 mm
600 mm	593.7 mm	592.9 mm	576.200 mm	576.176 mm
1200 mm	1193.7 mm	1192.9 mm	1176.200 mm	1176.176 mm
2400 mm	2393.7 mm	2392.9 mm	2376.200 mm	2376.176 mm

CHANNEL PANEL INTERFACE

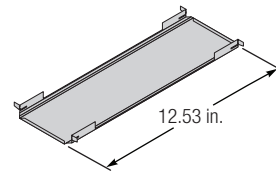
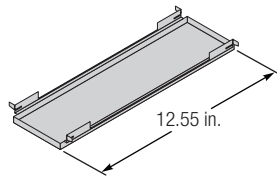
Connector Panels

Connector panels are a unique option for USG Logix ceiling systems. Connector panels visually connect various utilities in a utility channel such as luminaires and channel panels. Connector panels are configured to carry the adjacent panel or fixture. No special fixture types or tile edges are needed. Connector panels are metal and available in perforated and smooth finishes. Imperial and metric sizes are available.

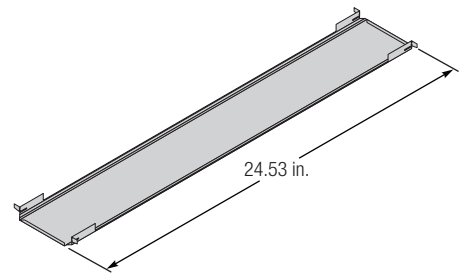
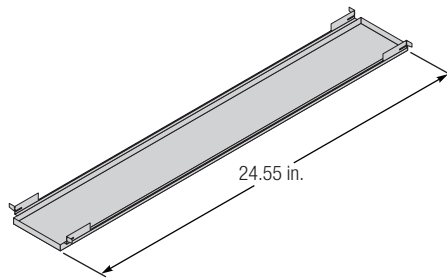
Reveal Edge

Flush Mount (FM)

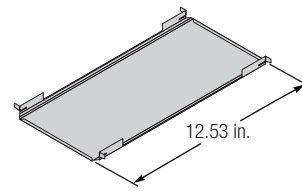
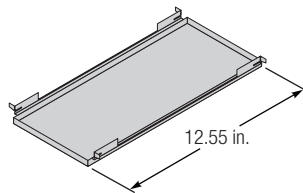
**4" X 12"
CONNECTOR PANEL**



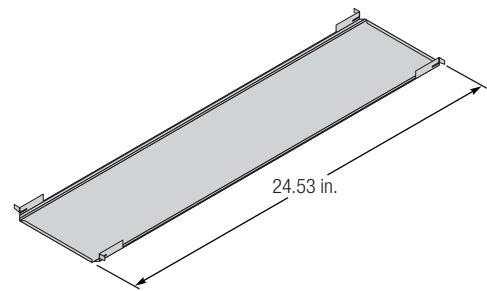
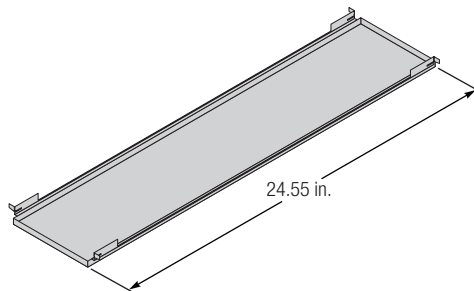
**4" X 24"
CONNECTOR PANEL**



**6" X 12"
CONNECTOR PANEL**



**6" X 24"
CONNECTOR PANEL**



CHANNEL PANEL INTERFACE

Connector Panels

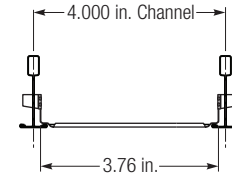
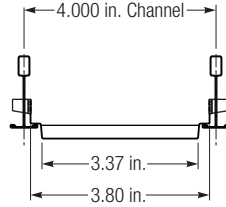
Reveal Edge connector panels are designed for DXT™ and DXI™ suspension systems.
 Flush Mount connector panels are recommended with DXT™ suspension systems.

CENTRICITEE™ DXT™

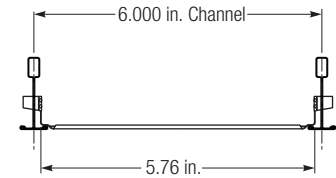
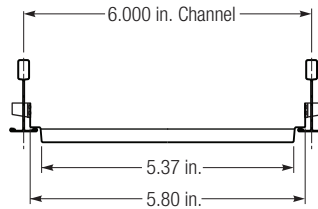
Reveal Edge

Flush Mount (FM)

4" Connector Panel

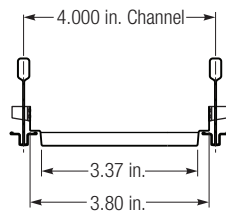


6" Connector Panel

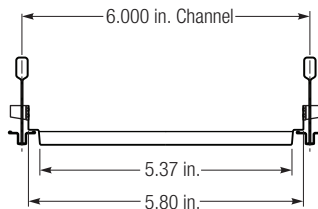


IDENTITEE® DXI™

4" Connector Panel



6" Connector Panel



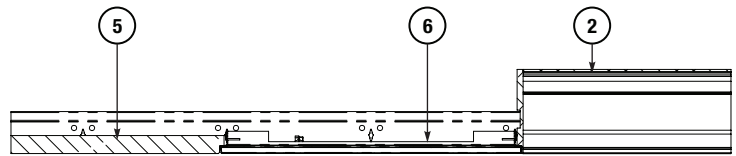
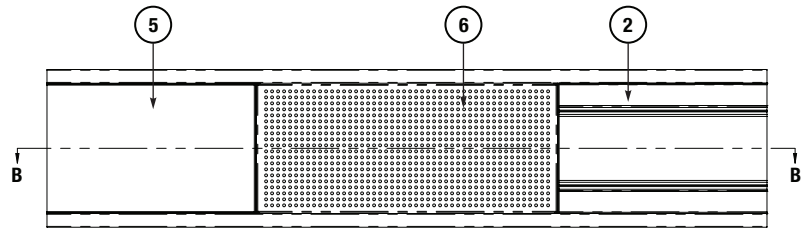
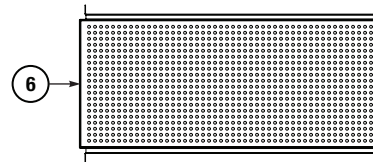
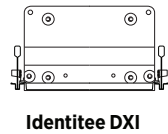
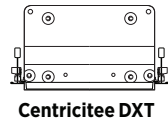
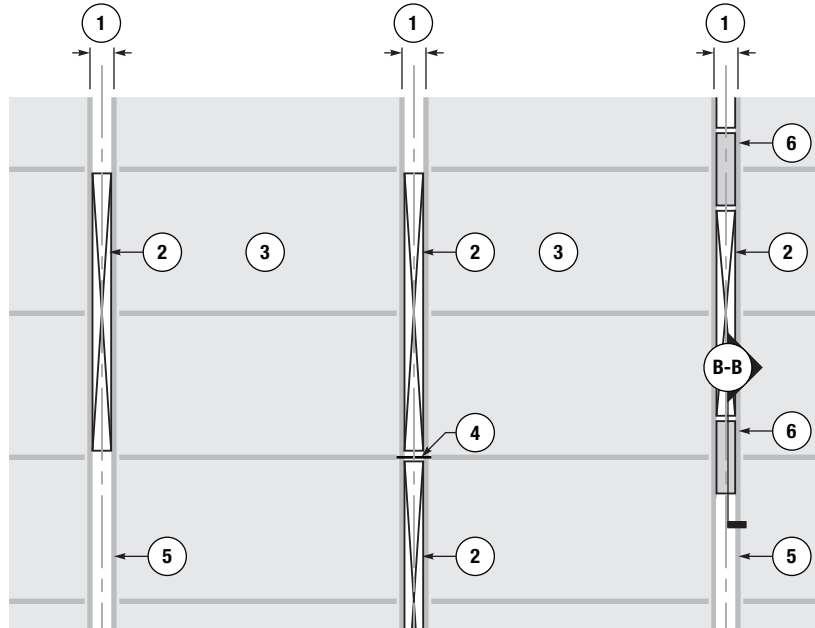
CHANNEL PANEL INTERFACE

Connector Panel Assembly

Reveal Edge

Channel Section B-B

- ① Utility Channel
- ② Luminaire or Mechanical Grille
- ③ Infill Panel
- ④ Yoke
- ⑤ Channel Panel
- ⑥ Connector Panel



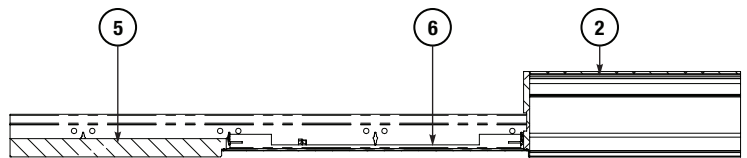
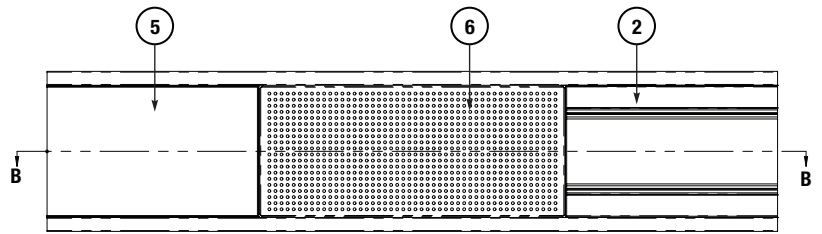
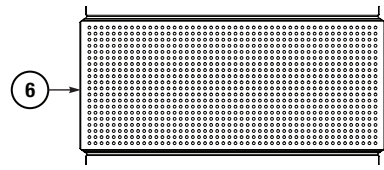
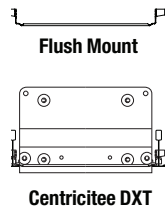
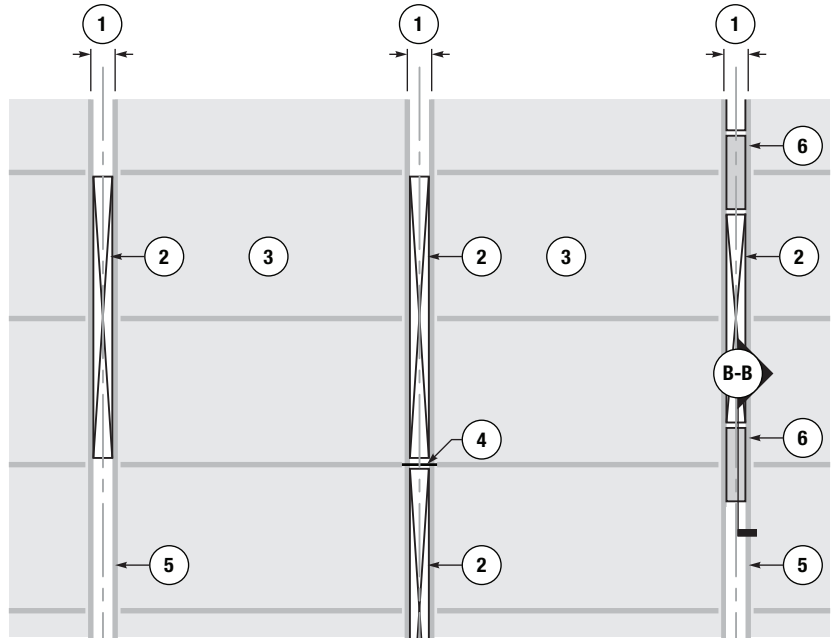
CHANNEL PANEL INTERFACE

Connector Panel Assembly

Flush Mount (FM)

Channel Section B-B

- ① Utility Channel
- ② Luminaire or Mechanical Grille
- ③ Infill Panel
- ④ Yoke
- ⑤ Channel Panel
- ⑥ Connector Panel



SECTION B-B

Technical Service
800 USG.4YOU

Website
usg.com

Samples/Literature E-mail
samplit@usg.com
866 528.7089

Customer Service
800 950.3839

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Manufactured by
USG Interiors, LLC
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Chicago, IL 60661

PRODUCT INFORMATION

See usg.com for the most up-to-date product information. Dimensions listed are for reference purposes only. Other factors including, but not limited to installation techniques and structural forces can affect suspension system dimensions and final fit of components.

INSTALLATION

Must be installed in compliance with ASTM C636, ASTM E580, CISCA, and standard industry practices.

CODE COMPLIANCE

The information presented is correct to the best of our knowledge at the date of issuance. Because codes continue to evolve, check with a local official prior to designing and installing a ceiling system. Other restrictions and exemptions may apply. This is only intended as a quick reference.

ICC EVALUATION SERVICE, INC., REPORT COMPLIANCE

Suspension systems manufactured by USG Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Report 1222. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to usg.com for current reports.

L.A. RESEARCH REPORT COMPLIANCE

Donn brand suspension systems manufactured by USG Interiors, Inc., have been reviewed and are approved by listing in the following L.A. Research Report number: 25764.

NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and

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