



CEILING
LIGHTING
AMBIENCE



S12 TORSION SPRING

METAL CEILING

S12 TORSION SPRING is an elegant metal ceiling system with a concealed suspension. The panels are clipped into the indexed T-Grid via torsion springs, ensuring precise alignment.

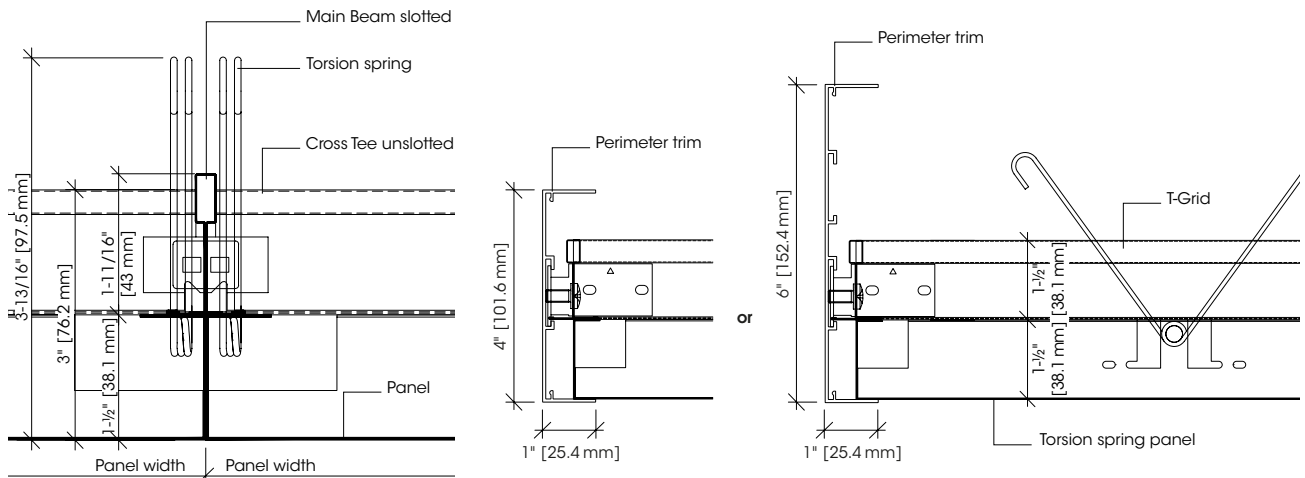
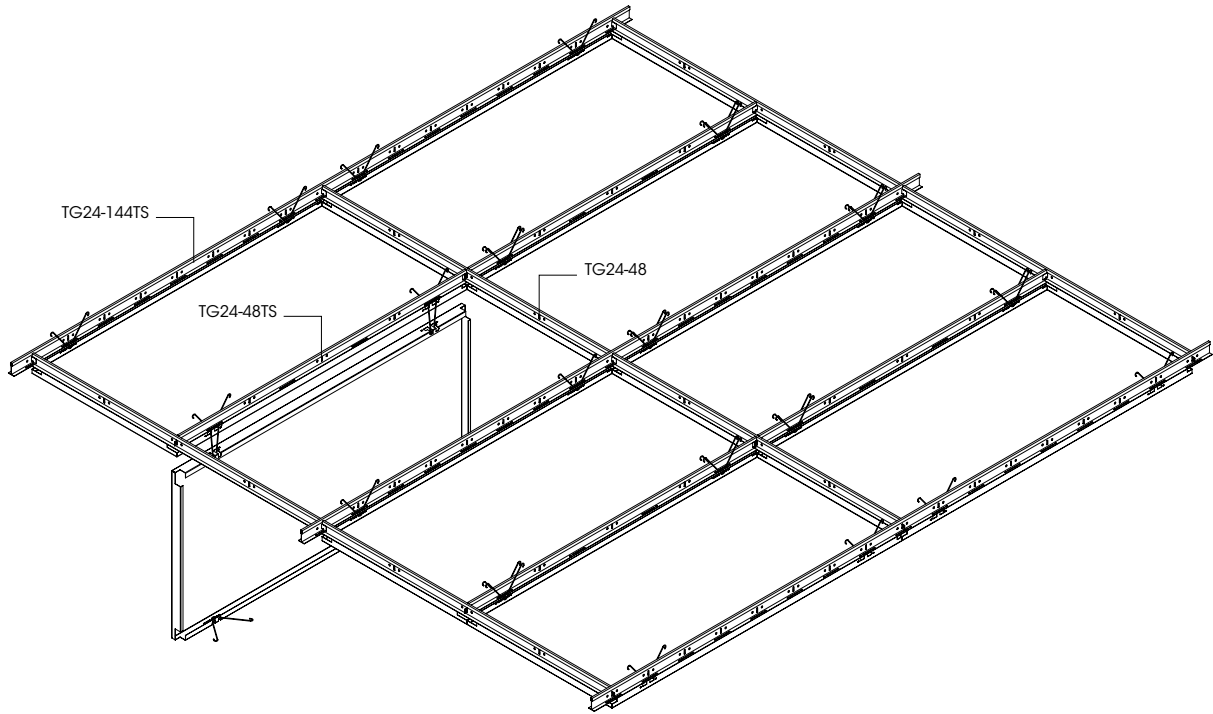
Each panel can be hinged downward individually on the long side for maintenance work, using a demounting tool. By slightly compressing the torsion springs, the panels can be removed from the T-Grid.

S12 TORSION SPRING can be seamless or with reveal and is suitable for vertical and angled applications. It is available in various colors, finishes and perforations.

The modular ceiling system is highly adaptable to customer requirements. Even complex geometries can be realised.

S12 TORSION SPRING

DURLUM METAL CEILING

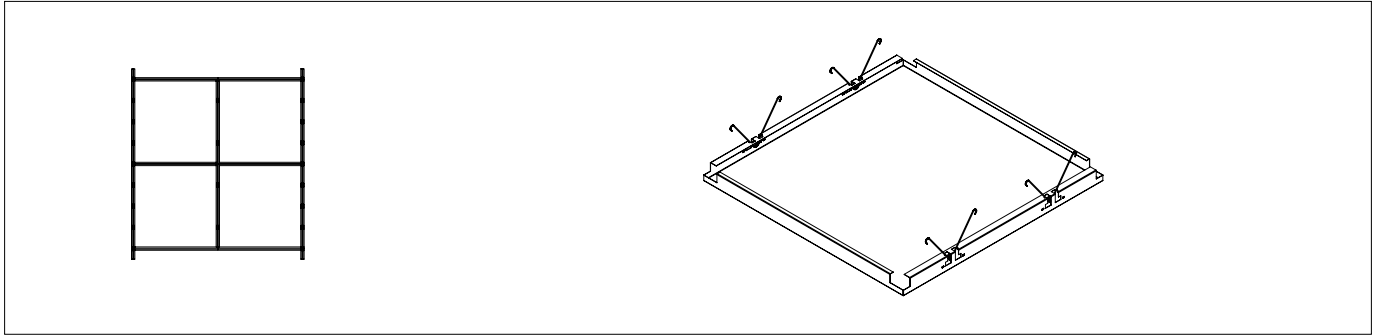


S12 TORSION SPRING

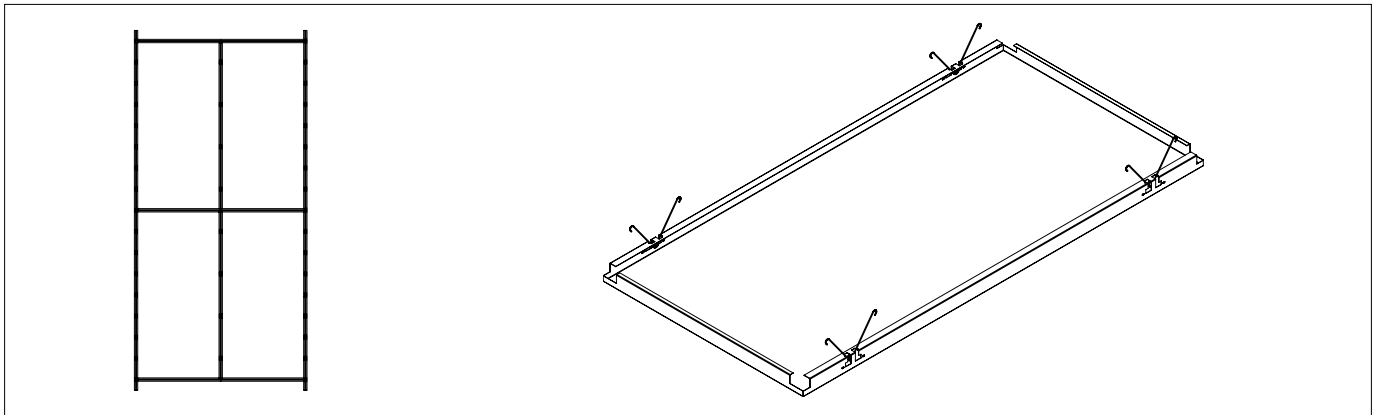
DURLUM METAL CEILING

PANEL AND LAYOUT DETAILS

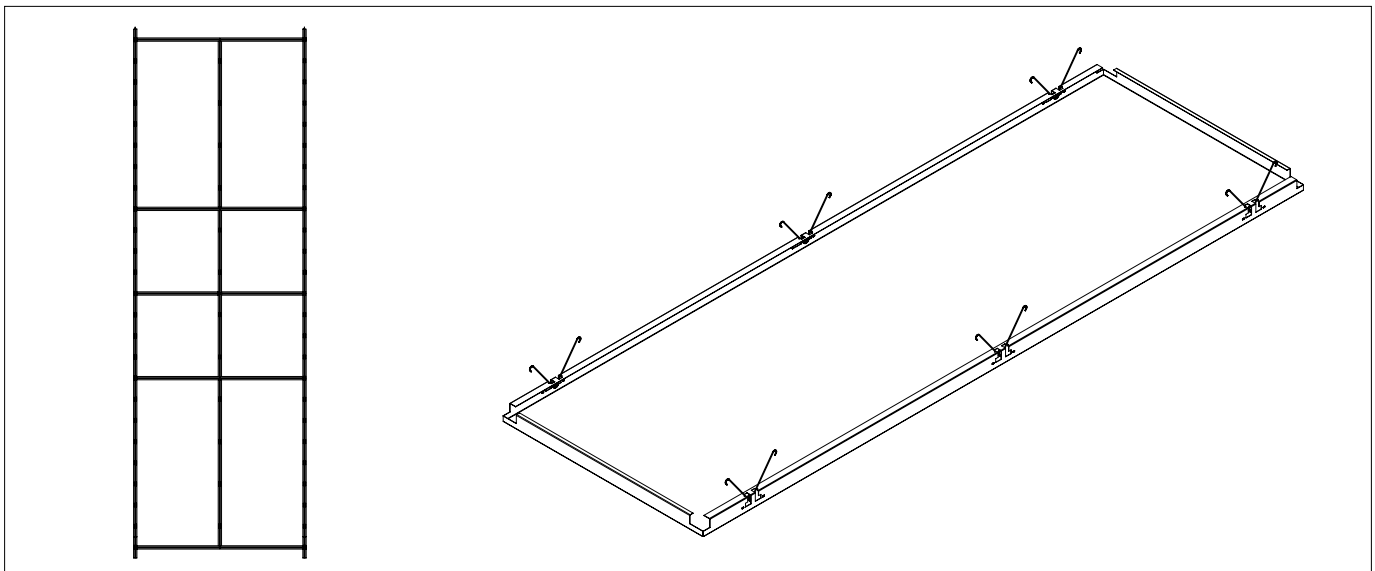
24" x 24" panel [609.6x609.6 mm]



24" x 48" panel [609.6x1219.2 mm]



24" x 72" panel [609.6x1828.8 mm]



S12 TORSION SPRING

DURLUM METAL CEILING

PHYSICAL DATA

STANDARD PANEL SIZES

- 24" x 24" [609.6 x 609.6 mm]
- 24" x 48" [609.6 x 1219.2 mm]
- 24" x 72" [609.6 x 1828.8 mm]
- 24" x 96" [609.6 x 2438.4 mm]
- 48" x 48" [1219.2 x 1219.2 mm]

Custom sizes up to 24" x 144" [609.6 x 3657.6 mm] are available upon request. Panel heights from 0.79" [20.1 mm] to 1.5" [38.1 mm] are possible.

MATERIAL

Galvanized steel, aluminum, stainless steel. The thickness of the material depends on the static requirements. Standard thickness: 0.0276" [0.7 mm].

ACOUSTICS

Sound absorption with black durlum acoustic fleece [NRC=approx. 0.70] as standard.

Other perforations and acoustical correction options may yield different NRC values.

FIRE PROTECTION CLASSIFICATION

durlum supplies the panels non-perforated or perforated, tested after ASTM E84, with Fire Class A [ASTM E1264].

SURFACE AND PRINTING

POWDER-COATING [Due to printing limitations, shade may vary from the actual product.] Steel as standard.

sim. RAL 9016 matt [Traffic White]



sim. RAL 9006 matt [White Aluminum]



sim. RAL 9007 matt [Grey Aluminum]



In addition to our three standard colors, we powder-coat our metal panels in other RAL and NCS colors upon request.

DUR-GRAPHICS PRINTING [Due to printing limitations, shade may vary from the actual product.]

W150 [Beech]



W160 [Teak]



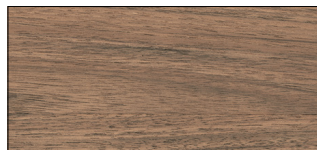
W170 [Oak]



W190 [Whitewashed oak]



W200 [Walnut]



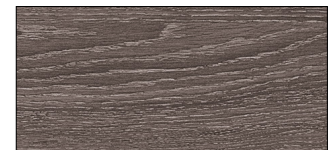
W210 [Cherry]



W220 [Spruce]



W230 [Grey oak]



SPECIAL SURFACES

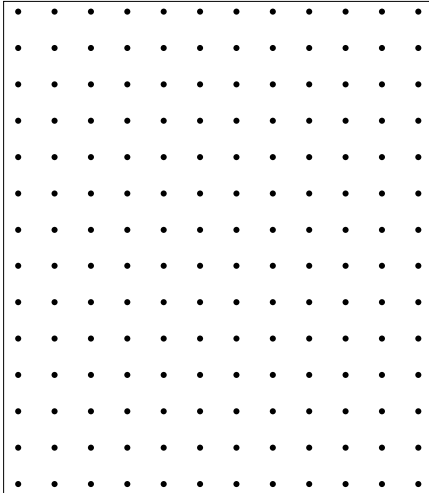
- The aluminium can also be supplied coil anodized or mirror polished.
- Stainless steel rectangular metal panels are available brushed or mirror polished.

S12 TORSION SPRING

DURLUM METAL CEILING

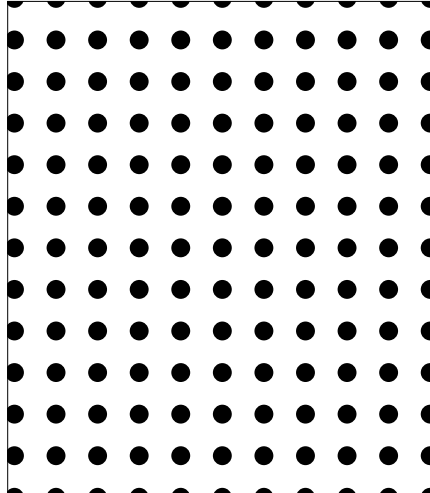
STANDARD PERFORATIONS [1:1 SCALE]

RG-L08



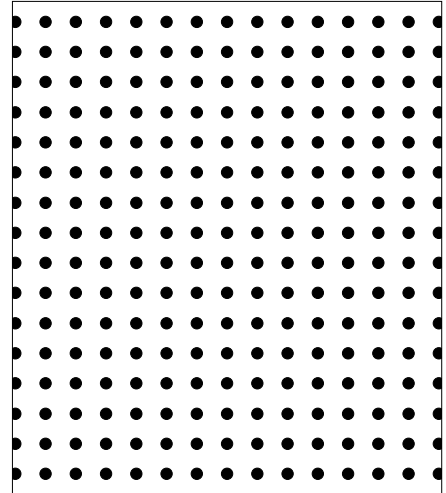
Hole diameter: 1/32" [0.8mm]
 Open area: 2.18%
 Max width of perforation: 4'-2" [1272mm]
 Max. coil width: 4'-7" [1400mm]
 Material thickness:
 • 0.0236"-0.0276" [0.6mm-0.7mm]

RG-L15



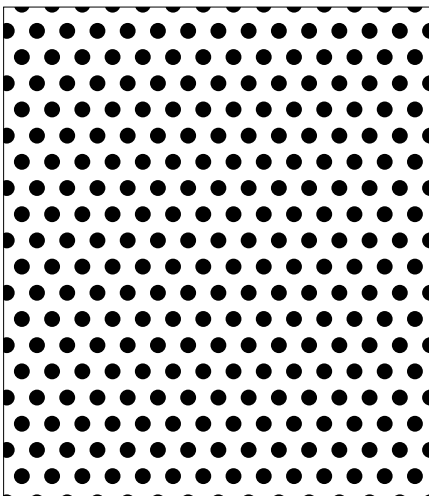
Hole diameter: 3/32" [2.5mm]
 Open area: 16.2%
 Max width of perforation: 4'-7" [1397mm]
 Max. coil width: 4'-7" [1400mm]
 Material thickness:
 • Steel: 0.0197"-0.0394" [0.5mm-1.0mm]
 • Alu.: 0.0236"-0.0394" [0.6mm-1.0mm]

RG-L29



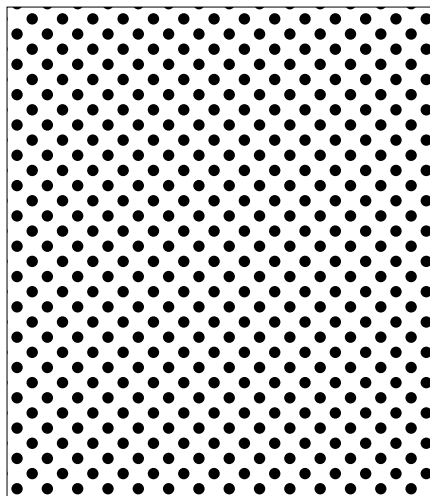
Hole diameter: 1/32" [1.5mm]
 Open area: 11%
 Max width of perforation: 4'-2" [1274mm]
 Max. coil width: 4'-7" [1400mm]
 Material thickness:
 • Steel: 0.0197"-0.0394" [0.5mm-1.0mm]
 • Alu.: 0.0236"-0.0394" [0.6mm-1.0mm]

RV-L6



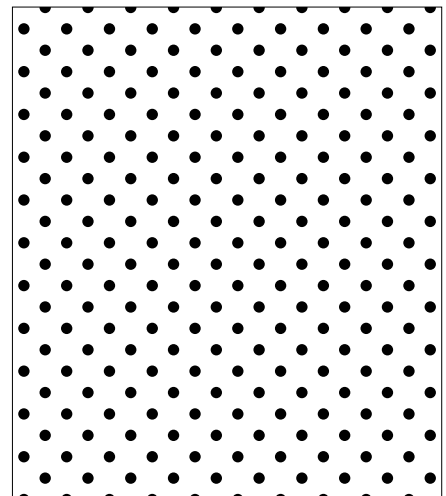
Hole diameter: 3/32" [2.1mm]
 Open area: 25%
 Max width of perforation: 4'-2" [1276mm]
 Max. coil width: 4'-7" [1400mm]
 Material thickness:
 • Steel: 0.0236"-0.0394" [0.6mm-1.0mm]
 • Alu.: 0.0236"-0.0591" [0.6mm-1.5mm]

RD-L30



Hole diameter: 1/16" [1.5mm]
 Open area: 22%
 Max width of perforation: 4'-1" [1250mm]
 Max. coil width: 4'-7" [1400mm]
 Material thickness:
 • Steel: 0.0197"-0.0394" [0.5mm-1.0mm]
 • Alu.: 0.0236"-0.0394" [0.6mm-1.0mm]

RD-L33



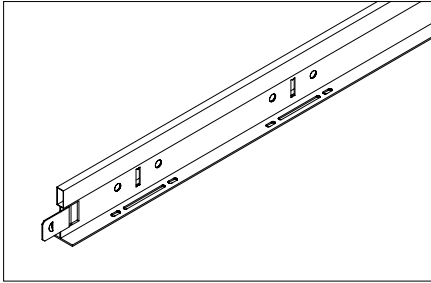
Hole diameter: 1/16" [1.5mm]
 Open area: 11%
 Max width of perforation: 4'-7" [1400mm]
 Max. coil width: 4'-7" [1400mm]
 Material thickness:
 • Steel: 0.0236"-0.0394" [0.6mm-1.0mm]
 • Alu.: 0.0236"-0.0394" [0.6mm-1.0mm]

S12 TORSION SPRING

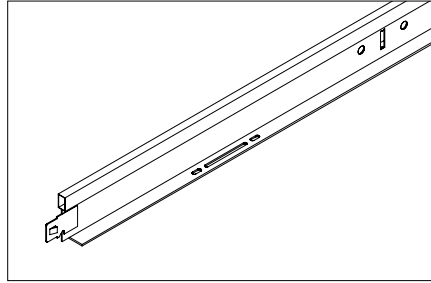
DURLUM METAL CEILING

SUBSTRUCTURE

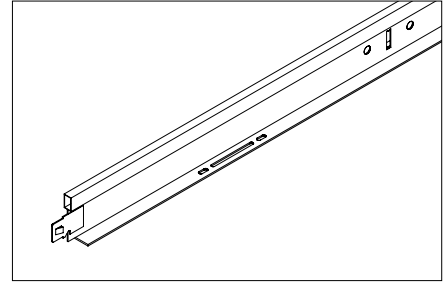
SUSPENSION SYSTEMS



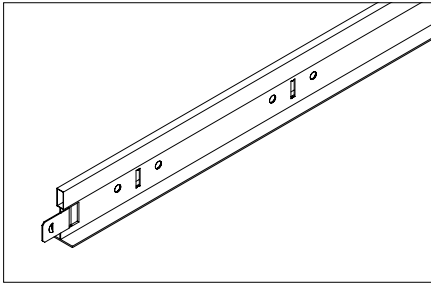
Item. no.:
TG24-144TS [PU: 20pcs]
Description:
durlum T-Grid 12' Main Beam
Slotted for durlum Torsion Spring
Dimensions:
144" x 15/16" x 1-11/16" [3657.6 x 24 x 43 mm]



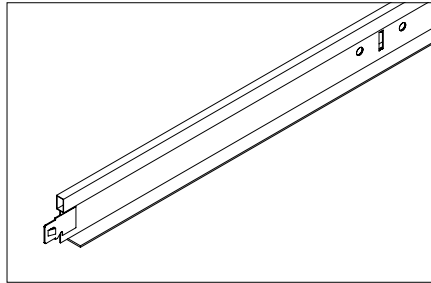
Item. no.:
TG24-48TS [PU: 60pcs]
Description:
durlum T-Grid 4' Cross Tee
Slotted for durlum Torsion Spring
Dimensions:
48" x 15/16" x 1-1/2" [1219.2 x 24 x 38.1 mm]



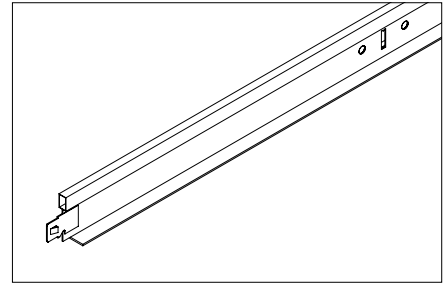
Item. no.:
TG24-24TS [PU: 60pcs]
Description:
durlum T-Grid 2' Cross Tee
Slotted for durlum Torsion Spring
Dimensions:
24" x 15/16" x 1-1/2" [609.6 x 24 x 38.1 mm]



Item. no.:
TG24-144 [PU: 20pcs]
Description:
durlum T-Grid 12' Main Beam
Dimensions:
144" x 15/16" x 1-11/16" [3657.6 x 24 x 43 mm]

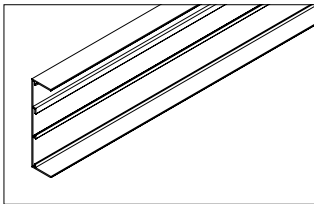


Item. no.:
TG24-48 [PU: 60pcs]
Description:
durlum T-Grid 4' Cross Tee
Dimensions:
48" x 15/16" x 1-1/2" [1219.2 x 24 x 38.1 mm]

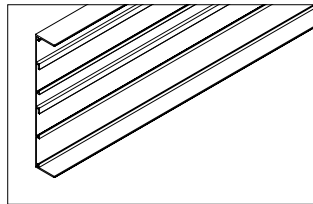


Item. no.:
TG24-24 [PU: 60pcs]
Description:
durlum T-Grid 2' Cross Tee
Dimensions:
24" x 15/16" x 1-1/2" [609.6 x 24 x 38.1 mm]

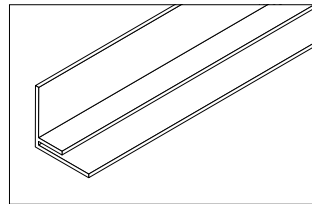
ACCESSORIES



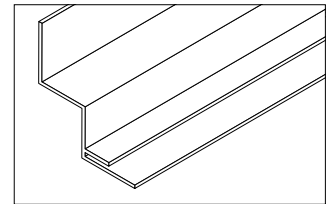
Item. no.:
TG-FT-04
Description:
Perimeter Trim
Dimensions:
4" [101.6 mm] high trim



Item. no.:
TG-FT-06
Description:
Perimeter Trim
Dimensions:
6" [152.4 mm] high trim



Item. no.:
F025
Description:
Wall Molding
Dimensions:
Length= 98.45" [2500 mm]



Item. no.:
F2025
Description:
Shadow Wall Molding
Dimensions:
Length= 98.45" [2500 mm]



CEILING
LIGHTING
AMBIENCE

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