

Description

Lowell grille Model CN-8M is an attractive ceiling grille that satisfies architectural specifications requiring ceiling speakers to be void of visible mounting hardware. Model CN-8M grille presents a precision quality appearance with a contoured outer ring, fine-mesh interior and no visible hardware. The grille utilizes concealed speaker studs and specially designed torsion devices to mount into torsion receptacles that are welded into specified Lowell backboxes (order separately). Grille is perfect for 8" or 6.5" speaker installations in upscale offices, hotels, retail, professional buildings, and dining establishments.

The outer ring of Model CN-8M is formed from 20-gauge steel with a welded steel mesh center, an inner ring with welded speaker studs and white powder epoxy finish for long lasting quality appearance. The four welded studs are 8-32 x 3/4" and are spaced to mount a standard 8" EIA driver using the palnuts provided.

The grille also includes two easy-to-install torsion bracket/spring devices that are used to mount an 8" speaker/transformer/grille assembly that weighs less than 3.5 lbs or the grille only in direct-mount 8" or 6.5" speaker applications to the torsion receptacles in specified Lowell backboxes. Each torsion bracket installs to opposite speaker mounting studs (as shown) with 8-32 nuts provided. Each torsion spring installs to one of four holes in the bracket (as shown) with one shoulder bolt and clip provided. Versatile spring position on the bracket allows for easy depth adjustment.

8" Speaker installation using torsion grille:

Speaker/transformer assemblies that weigh less than 3.5 lbs may be mounted directly to the welded studs on the grille (typically after the torsion devices are installed). The speaker/transformer/grille assembly is then ready to install into noted backboxes or mounting rings equipped with torsion receptacles. Note: Most speaker/transformer assemblies with a 5oz. or 10oz magnet and 4-8W transformer weigh less than 3.5 lbs.

Speaker/transformer assemblies that exceed 3.5 lbs require the speaker/transformer to be screw-mounted directly to a larger volume and acoustically lined backbox Model IX810 which is equipped with a recessed speaker mounting flange. After the speaker/transformer is mounted to the backbox, the grille with installed torsion devices installs into the torsion receptacles on backbox Model IX810 achieving a visibly hardware-free appearance. Note: All speaker transformer assemblies with driver Model CT8320 and 8A50 require direct mount installation.

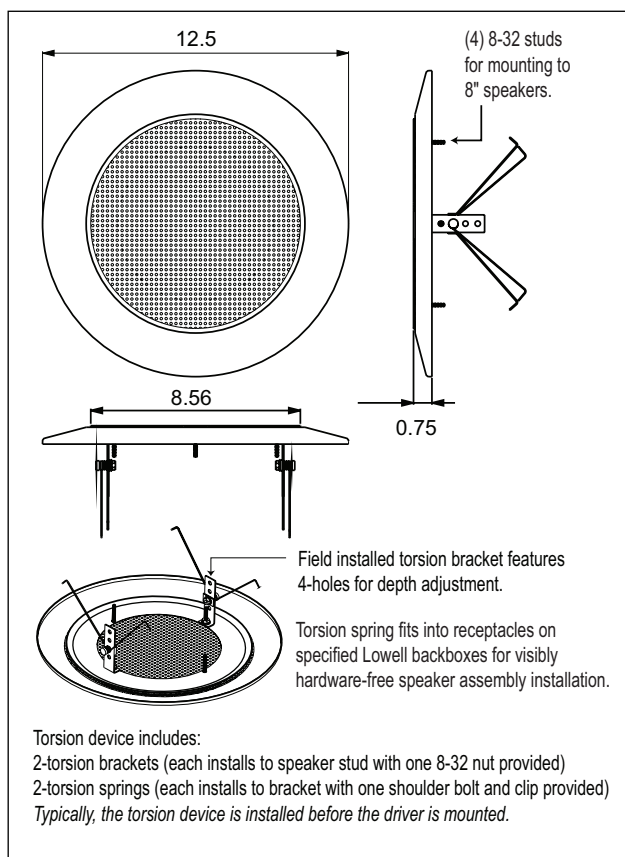
6.5" Speaker installation using torsion grille:

6.5" speaker/transformer assemblies such as Lowell's 40W 6A40 Series may also be used with torsion grille Model CN-8M IF the speaker/transformer is direct mounted to backbox Model IX610 (similar to IX810 with a different recessed speaker flange).



CN-8M

Steel grille with torsion mount for visibly hardware-free appearance



Grille Specifications and Companion Mounting Accessories (order separately)

Grille Model	Speaker Size*	Grille Size	Visible Screws	Speaker Mount	Material	Color	Backbox or Mtg. Ring Choices (Choose one, plus tile bridge if required.)	T-Bridge (if required for suspended ceilings)
CN-8M	8"	12.5" Dia.	0-Torsion*	Studs	Steel	White	IX810 (direct mounts 8" speakers exceeding 3.5 lbs.).....LBS8-R1 RF841, RF871N.A XCP84, XCP87, XCP810LBS8-R1 or LBS8 Mounting ring in lieu of backbox: XPR8-T, XPR8-1624TN.A.	
	6.5"	12.5" Dia.	0-Torsion*	Studs	Steel	White	IX610 (direct mounts 6.5" speaker)LBS8-R1	

*Maximum speaker assembly weight is 3.5lbs unless backbox Model IX810 or IX610 is used. IX backboxes direct mount the speaker so that the grille is non-load bearing.



CN-8M

Architectural Grille with Torsion-mount for 8" and 6.5" Speakers

A & E Specifications

The grille for 8" or 6.5" speaker drivers shall have no visible screws or hardware and shall be Lowell Model CN-8M. It shall be fabricated from 20-gauge steel with a welded steel mesh center and mount using torsion bracket/spring devices. The grille diameter shall be 12.5" with a shallow mounting projection of 0.754". The grille shall be finished in white powder epoxy.

Model CN-8M shall include welded studs and palnuts. It shall also include two torsion bracket/spring devices and installation accessories for mounting to specified Lowell backbox or mounting ring with torsion receptacles.

8" speaker/transformer assemblies that weigh less than 3.5 lbs shall mount to speaker studs on the grille and then the

grille shall install to specified backbox using the torsion devices. 8" speaker/transformer assemblies weighing more than 3.5 lbs and all 6.5" speaker assemblies using CN-8M grille shall direct/screw mount to backbox Model IX810 or IX610 respectively. Model CN-8M grille, without the weight of a speaker/transformer, shall then mount to the torsion receptacles in the backbox.

The torsion/bracket method shall have no visible hardware and shall be adjustable for varying ceiling depths. Companion backbox or mounting ring with torsion receptacles shall be Lowell Model _____. Tile bridge for suspended installations shall be Lowell Model ____ (LBS8, LBS8-R1).

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12"10"
Speakers &
Accessories

Companion mounting accessories for grille Model CN-8M (order separately)



IX810, IX610*



RF841



XCP810
XCP87, XCP84

Backbox Details (Choose one backbox or mounting ring, plus tile bridge if required)

Model	Size	Features	Option (suffix model)
IX810	10.063"Dia. x 10.063"D	Direct mnt 8in spkr-no load on grille, batting, t-receptacles	---
IX610*	10.063"Dia. x 10.063"D	Direct mnt 6in spkr-no load on grille, batting, t-receptacles	---
RF841	10.063"Dia. x 4.063"D	Retrofit w tension brkt, t-receptacles	---
RF871	10.063"Dia. x 6.688"D	Retrofit w tension brkt, t-receptacles	---
XCP84	10.063"Dia. x 4.063"D	Flat flange for tile ceiling, t-receptacles	-S (straps)
XCP87	10.063"Dia. x 6.687"D	Flat flange for tile ceiling, batting, t-receptacles	-S (straps)
XCP810	10.063"Dia. x 10.063"D	Flat flange for tile ceiling, batting, t-receptacles	-S (straps)

* Model IX610 direct mounts a 6.5" speaker for use with CN-8M grille.

8"
Speakers &
Accessories

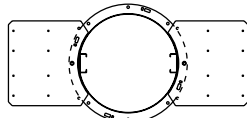
6"
Speakers &
Accessories

4"
Speakers &
Accessories

Horn
Speakers &
Accessories



XPR8-T



XPR8-1624T

Mounting Ring Details (Choose one backbox or mounting ring, plus tile bridge if required)

Model	Size	Features
XPR8-T	11.75" Dia.	Includes receptacles for 8" torsion grille
XPR8-1624T	11.75" Dia.	Includes receptacles for 8" torsion grille and ears for 16" and 24" studs

Masking
Speakers &
Generators

Control
Accessories
& Electronics



LBS8



LBS8-R1

Tile Bridge Details (use tile bridge if required for suspended ceiling)

Model	Size	Features
LBS8	23.75"L	8.5"SQ opening with screw or Twist n' Lock backbox mounting
LBS8-R1	23.75"L	10.75"Dia opening with screw or Twist n' Lock backbox mounting

Grilles - Ceiling / Wall