

# CEILING RADIATION DAMPERS

---

## Model 50

UL Listed CRD

### Type EA



Submittal Drawing

### Type LP



Submittal Drawing

- Rollformed 22 gauge galvanized frame
- Formed 22 gauge galvanized blades
- Rollformed 22 gauge galvanized hinge
- Double blade butterfly configuration
- Available in both easy access (EA) and link plate (LP) versions for mounting the fusible link
- Minimum unit size:
  - 4"x4"
- Maximum unit size:
  - 24"x24"
- Dimensions are determined by blade width (hinge dimension) then by blade height (w x h)
- Insulation and scrim are required on dampers over 80 in<sup>2</sup> in area
- Insulation and scrim are optional on dampers less than 80 in<sup>2</sup> in area
- UL Listed ceiling radiation damper
- Tested to UL 555C: File R16579
- Meets NFPA 90A requirements
- Listed with California State Fire Marshall: Listing 3225-1577:101
- Reference 50/55 Series sizing chart for damper sizing
- Reference 50 Series Installation Instructions

[Sizing Chart](#)

[Instructions for Ducted](#)

[Instructions for Non-Ducted](#)

[Instructions for Wood & Gypsum with 2x4 Bracing and Un-Insulated Plenums](#)

[Instructions for Wood & Gypsum with Angle Bracing and Un-Insulated Plenums](#)

[Instructions for Wood & Gypsum with Insulated Plenums](#)

---

## Model 50-4X

UL Listed CRD

### Type EA

- Rollformed 22 gauge galvanized frame



Submittal Drawing

- Formed 22 gauge galvanized blade
- Stainless steel spring hinge
- Single blade configuration
- Available sizes:
  - 8"x4", 10"x4" and 12"x4"
- Dimensions are determined by blade length (hinge dimension) then by blade width
- Insulation and scrim are optional on dampers less than 80 in<sup>2</sup> in area
- UL Listed ceiling radiation damper
- Tested to UL 555C: File R16579
- Meets NFPA 90A requirements
- Listed with California State Fire Marshall: Listing 3225-1577:101
- Reference 50 Series Installation Instructions

Sizing Chart

Instructions for Ducted

Instructions for Non-Ducted

Instructions for Wood & Gypsum with 2x4 Bracing and Un-Insulated Plenums

Instructions for Wood & Gypsum with Angle Bracing and Un-Insulated Plenums

Instructions for Wood & Gypsum with Insulated Plenums

---

## Model 55

UL Listed CRD

### Type EA



Submittal Drawing

- Rollformed 22 gauge galvanized frame
- Formed 22 gauge galvanized blades
- Rollformed 22 gauge galvanized hinge
- Double blade butterfly configuration
- Available in both easy access (EA) and link plate (LP) versions for mounting the fusible link

- Minimum unit size:

- 4" diameter

- Maximum unit size:

- 24" diameter

- Insulation and scrim are required on dampers over 80 in<sup>2</sup> in area

- Insulation and scrim are optional on dampers less than 80 in<sup>2</sup> in area

- UL Listed ceiling radiation damper

- Tested to UL 555C: File R16579

- Meets NFPA 90A requirements

- Listed with California State Fire Marshall: Listing 3225-1577:101

- Reference 50/55 Series sizing chart for damper sizing

- Reference 55 Series Installation Instructions

### Type LP



Submittal Drawing

Sizing Chart

[Instructions for Ducted](#)

[Instructions for Non-Ducted](#)

[Instructions for Wood Truss with Un-Insulated Plenums](#)

[Instructions for Wood Truss with Insulated Plenums](#)

---

## Model CRD B

### CRD-Boot Assembly



[Submittal Drawing](#)

- UL Listed ceiling radiation damper factory mounted in a galvanized boot
- Available in the following styles:
  - End boot
  - Ell boot (90°)
  - Straight boot
- Available with collars ranging from:
  - 4" to 10"
- Available with throat depths of:
  - 4"
  - 6"
  - 8"
- Available with or without a flange
- Factory assembled to ensure proper fit and placement
- Eliminates the need for labor to install in the field
- Reference CRD Installation Instructions