Engineering Specification

Model LT56 Series Special Sprinklers

**Recommended CSI MasterFormat Specification Location: 21 13 13, Wet Pipe Sprinkler Systems (formerly 13930)**

**Model LT56 & LT56L**

Sprinklers shall be a quick response, special application pendent that is cULus Listed specifically to cover long narrow spaces, such as corridors and hallways. Sprinkler frame and deflector shall be of bronze frame construction having a ½” NPT thread. Water seal assembly shall consist of a PTFE-coated Belleville spring washer and top-loaded extruded cup **[**3 mm glass bulb**] [**strut and lever principal of operation**]** containing no plastic parts. Sprinkler temperature rating shall be **[**155°F (68°C)**] [**165°F (74°C)**] [**200°F (93°C)**] [**212°F (100°C)**]**. Sprinklers shall have a nominal K-factor of 5.6 gpm/psi1/2 (81.0 l/min/bar1/2) – standard orifice. Sprinklers shall have a rated working pressure of **[**250 psi (17.2 bar)**] [**300 psi (21 bar)**]**. Standard finish: **[**Bronze**] [**Chrome Plated**] [**Polyester Coated**] [**Special finish– specify**]**.

Sprinklers shall be of the Model LT56 Series. Refer to Reliable Technical Bulletin 058 for associated sprinkler identification number (SIN) with respect to style, orifice size and thread combination.

**For recessed pendent sprinklers, add**:

**{**Recessed escutcheon assembly shall be a Model FV two-piece “friction fit” escutcheon with ½” adjustment. Standard finish: **[**White Painted**] [**Chrome**] [**Brass**] [**Special finish– specify**].} {**Recessed escutcheon assembly shall be a Model FP, factory-assembled, two-piece steel escutcheon of push-on/thread-off design with ½” adjustment. Standard finish shall be **[**White Painted**] [**Chrome**] [**Brass**] [**special finish – specify**]**.**}**

Recessed escutcheons that are permitted by the manufacturer to be used with each Model LT56 Series recessed sprinkler shall be used.

**Model LT56C**

Sprinklers shall be a quick response, special application flat concealed pendent that is cULus Listed specifically to cover long narrow spaces, such as corridors and hallways. Sprinkler to be of bronze frame construction with drop down deflector and **[**165°F (74°C)**] [**212°F (100°C)**]** fusible solder link assembly. Water seal construction shall utilize Belleville spring seal coated with PTFE film on both sides. Concealed pendent sprinkler shall have a nominal K-factor of 5.6 gpm/psi1/2 (80 l/min/bar1/2) – standard orifice and have ½” NPT (R½) thread. Sprinklers shall have a rated working pressure of 175 psi (12 bar). Flat cover plate assembly construction shall consist of brass cover plate attached to copper alloy skirt using **[**135°F (57°C)**] [**165°F (74°C)**]** ordinary temperature classification solder. Concealed pendent sprinklers shall be low profile, having a maximum installation dimension of 2¼” (57 mm) at full cover plate adjustment. Cover plate shall attach to sprinkler cup assembly by either push-on or threaded engagement providing ¾” (19 mm) of cover plate adjustment.

Cover plate design shall be **[**Finish (specify)**]**. A secure, factory installed protective cap shall be provided and shall be capable of preventing paint, joint compound, and other foreign matter from getting between and into the sprinkler cup assembly. The protective cap shall be wrench-able and remain on the sprinkler until the sprinkler system is placed in service.

Sprinklers shall be Reliable Model LT56C, SIN RA5994. Refer to Reliable Technical Bulletin 058 for associated sprinkler information.