

# RAVEN STUDIO SPRINKLERS

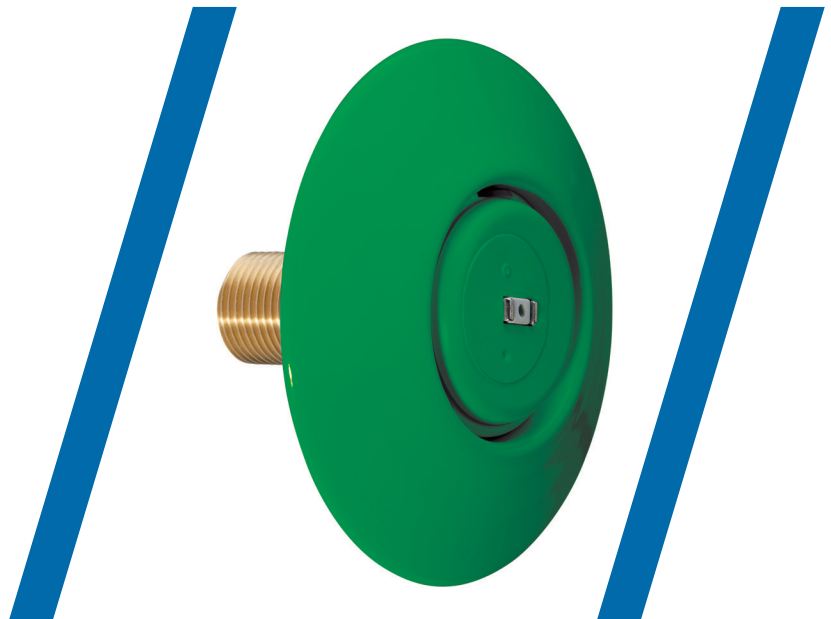
Superior Fire Protection that Maximizes Design Freedom

**Low-Profile, Flush Appearance**

**Paint-in-Place Escutcheon**

**Protected Design Minimizes Accidental Activations**

**Wide Range of Available Custom Colors**



## Features & Benefits:

- // Innovative Paint-in-Place Escutcheon
- // Factory Finished Sprinkler and Escutcheon Available in a Wide Variety of Custom Colors
- // Engineered for Precision Fit
- // Available in Pendent and Horizontal Sidewall Configurations
- // Available in Standard Coverage and Extended Coverage Models
- // UL and C-UL Listed

TYCO RAVEN Studio Sprinklers 5.6K Pendent and Horizontal Sidewall (HSW) Quick Response sprinklers are designed for use in commercial spaces such as offices, hospitals, HOW, universities, schools, apartments, and hotels.

Incorporating an unobtrusive, low-profile design with a paint-in-place escutcheon, TYCO RAVEN Studio Sprinklers are the most discreet sprinklers in the industry today and afford architects and

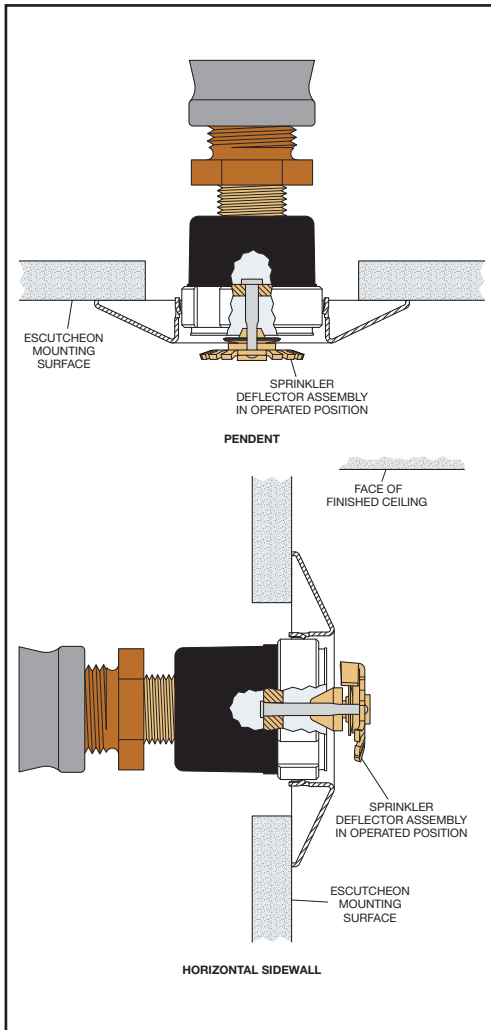
interior designers the creative freedom never found using traditional sprinklers.

The flush design is made aesthetically appealing by concealing the deflector and other operating parts above the link assembly. The RAVEN Studio Sprinklers, with a heat sensitive solder type release element, are rated as quick response sprinklers and are available in Standard and Extended Coverage.

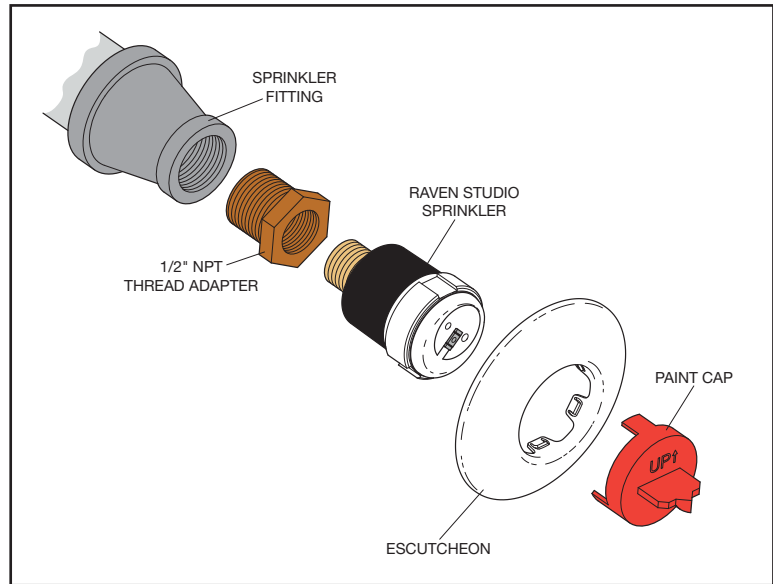
### TECHNICAL DATA

<b>Approvals</b>	UL and C-UL Listed
<b>Maximum Working Pressure</b>	175 psi (12,1 bar)
<b>Thread Connection</b>	1/2 inch NPT (Via required thread adapter)
<b>Discharge Coefficient</b>	K=5.6 gpm/psi <sup>1/2</sup> (80,6 lpm/bar <sup>1/2</sup> )
<b>Temperature Rating</b>	165°F (74°C)

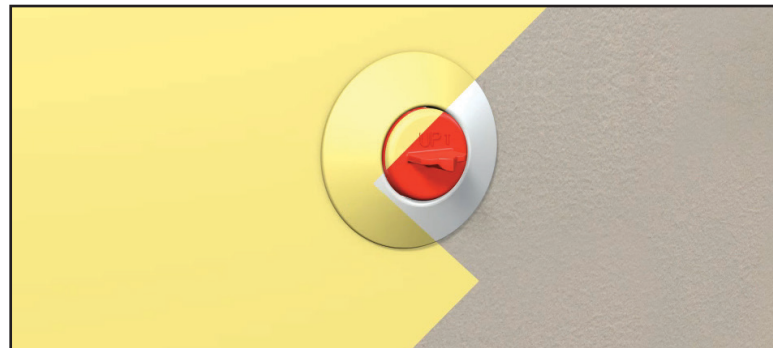
**RAVEN STUDIO SPRINKLER OPERATED CONDITION**



**RAVEN STUDIO SPRINKLER COMPONENTS**



**RAVEN STUDIO SPRINKLER PAINT-IN-PLACE ESCUTCHEON**



**UL AND C-UL LISTING EXTENDED COVERAGE AREAS FOR LIGHT HAZARDS AND FLOW RATE CRITERIA**

**5.6K Extended Coverage Pendent (TY1282)**

Response Rating	Coverage Area Ft. x Ft. (m x m)	Minimum Flow <sup>(a)</sup> gpm (lpm)	Minimum Pressure <sup>(b)</sup> psi (bar)	Deflector-to-Ceiling Distance	Sprinkler Temperature Rating °F (°C)	Minimum Spacing Ft. (m)
Quick	16 x 16 (4,9 x 4,9)	26 (98)	21.6 (1,49)	Flush Mounted	165 (74)	8 (2,4)

**5.6K Extended Coverage Horizontal Sidewall (TY1382)**

Response Rating	Coverage Area Ft. x Ft. (m x m)	Minimum Flow <sup>(a)</sup> gpm (lpm)	Minimum Pressure <sup>(b)</sup> psi (bar)	Deflector-to-Ceiling Distance <sup>(c)</sup> Inches (mm)	Sprinkler Temperature Rating °F (°C)	Lateral Minimum Spacing <sup>(d)</sup> Ft. (m)
Quick	16 x 16 (4,9 x 4,9)	26 (98)	21.6 (1,49)	4 to 12 (100 to 300)	165 (74)	8 (2,4)

**Notes:**

- a. Requirement is based on minimum flow in gpm (lpm) from each sprinkler.
- b. Indicated residual pressures are based on the nominal K-factor.
- c. Centerline of the sprinkler waterway is located 7/16 inch (11,1 mm) below the deflector (Ref. Figure 4).
- d. Minimum spacing is for lateral distance between sprinklers located along a single wall; otherwise, adjacent sprinklers (i.e., sidewall sprinklers on an adjacent wall, on an opposite wall, or pendent sprinklers) must be located outside of the maximum listed protection area of the extended coverage sidewall sprinkler being utilized.

*Always refer to the Technical Data Sheet TFP658 for complete description of all Listing criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.*