

Modified Style F308 concealed cove light with three-reflector T5HO section

**Architect:**

Roger Ferris + Partners

**Lighting Design:**

Kugler Tillotson Associates

**Photography:** Archphoto

**Trading Floor**

Dimensions: Approximately 120' wide x 150' long, with 27' to 45' high vaulted ceiling

Lighting: (150) modified F308-T255-S-00-2-XX0 concealed cove lights with separately controlled 3-reflector cross-section

Est. illuminance (all 3 reflectors): 68 fc avg. initial on workplane; 132 fc/ai on ceiling panels

Est. power density (all 3 reflectors): 3.0 W/sf

## elliptipar Style F308

This renovation of a suburban office building transforms an exterior courtyard into a clear span trading floor. Although indirect metal halide sources are often considered for spaces of this scale, multi-lamp/multi-reflector T5HO luminaires offer an effective alternative when the architectural design suggests linear fixture arrangements.

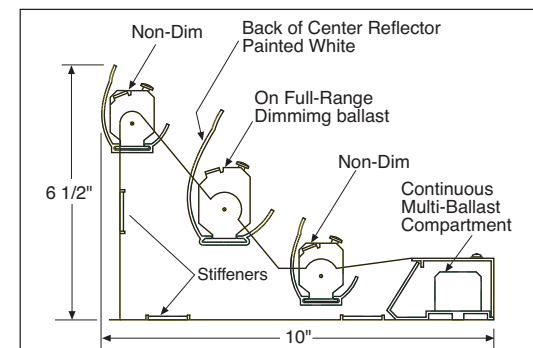
The segmented ceiling vault incorporates a modified three reflector version of the **Style F308** into a series of cove elements that conceal the air distribution system. Each 24' long ceiling panel length is illuminated by three nominal 8' fixtures, mounted end-to-end along one edge.

The result is a high level of indirect illumination that supports paper research, multiple computer tasks and fast paced communication. And, the control flexibility of instant-on fluorescent sources allows each of the three reflector rows to be easily coordinated with the motorized exterior louvers and interior shades at the clerestory end walls.

U.S. Patent Nos. D468,457, 5,550,725 and foreign.



Each reflector row can be adjusted and locked independently, tailoring the light distribution to the ceiling. Focusing is facilitated by a detail that joins units end-to-end in continuous runs, allowing synchronized aiming of rows up to 40' long.



Working with Kugler Tillotson Associates, Inc., the **F308** was modified to combine two Xtra Small reflectors (top/rear and front/bottom, with separate ballasts) and one Small (center, with Lutron Hi-Lume dimming). The backside of the center reflector is painted white, redirecting low-angle energy from the rear reflector in a manner that helps eliminate "socket shadows."