

Ennis High School Auditorium, Ennis, TX



Architect: SHW Group, LLC.
Engineer: Estes, McClure & Associates
Photography: Mark McWilliams

Auditorium

Plan: 100' wide x 88' long (stage to back wall)
Heights: 14' to 25' a.f.f. for side wall panels; 27' a.f.f. for perimeter coves;
32' a.f.f. for crossing catwalk; 23' to 38' a.f.f. for ceiling panels
Lighting: (51) modified F308-T255-S-00-T-XX-0 (8' cove lights) and
(16) F306-T255-S-00-T-00-0 (8' wallwashers) with Lutron HiLume
Estimated illuminance: 92 fc avg. initial on ceiling panels; 38 fc/ai on seating
Estimated power density: 2.5 W/sf

elliptipar Styles F306, F308

Part of the Dallas/Fort Worth Metroplex, the City of Ennis boasts an award winning public school system, with Ennis High School having been named among the top 100 in the country.

The unique architectural and acoustical attributes of the school auditorium presented several challenges and opportunities for the lighting design. The segmented floating panels suspended from a gradually sloped ceiling deck are interrupted half way back in the space by a stage lighting catwalk, which is concealed by a continuous curved panel. A series of acoustical panels are angled along the tapered sides of the space.

Careful consideration was given to the sightlines from the audience seating, the orchestra pit and the front of the stage. **elliptipar** cove lighting, mounted both horizontally and vertically in the space, works in harmony to create a high level of glare free, indirect illumination.

Modified 3-reflector **Style F308** luminaires with T5HO lamps mounted in coves along the sides and rear of the auditorium uplight the ceiling panels. Similar 3-reflector units also run along the front and rear edges of the curved panel that conceals the catwalk, illuminating portions of the ceiling that could not be covered from the perimeter coves.



Style F306 cove lights with T5HO lamps are mounted vertically in the wall panels to project light along the side walls. Use of optional dimming ballasts in these wallwashers and the modified **Style F308** uplights creates a variety of light levels for multiple functions, while avoiding the need for downlight sources above the tiered seating.



Each reflector row in the modified **Style F308** can be joined, aimed and locked independently to realize maximum asymmetric throw.

Patent nos. D468,457; 5,550,725 and foreign



Compact yet flexible, the concealed **Style F306** can efficiently light a plane asymmetrically from either a horizontal or vertical slot.