

Style M104

Styles M104 F104



**Architect:** Centerbrook Architects  
**Engineer:** Musco Engineering Associates

**Natatorium:**

Dimensions: 68' wide x 119' long; fixtures at 19'; beams at 23'; ceiling at 26' a.f.f.

Lighting: (12) M104-240C-1-02-E-VQL-0 uprights on VPC102084CQ0 one-way pendants (7' suspension) facing away from upper level spectator area; (12) M104-240C-2-02-E-VQL-0 sharing VPC20284CQ0 two-way pendants with (12) F104-H242-2-02-1-VQ-0 wallwashers along scoreboard wall; and (7) F104-H242-1-02-1-VQ-0 on VPC102084CQ0 one-way pendants at end wall

Estimated illuminance: 112 fcai on ceiling; 44 fcai on deck; 60 fcai on water; 50 fcai on wall

Estimated power density: 2.9 W/sf



## elliptipar Styles M104, F104

Suffield Academy's campus has served various educational functions since its founding as a seminary. It is now a private coeducational secondary school with a liberal arts academic program augmented with participation in technology portfolios and a leadership program. In 1992, Suffield Academy was the first high school in the U.S. to require laptop computers. Two-thirds of students live in school residences, as do 90% of faculty members and their families.

Athletics at Suffield Academy features 45 interscholastic teams. The Seaverns Athletic Center includes a competition swimming pool, which recently received aesthetic and acoustical enhancements including a new windowed wall that greatly increased the contribution of natural light.

Pendant mounted **elliptipar Style M104s** were centered between existing beams along the length of the pool, directing light toward the center of the ceiling above the swimming lanes. The fixtures' height, aiming and cutoff visors prevent direct glare from reaching either swimmers or spectators, while illuminating the natatorium with light reflected from the white ceiling.



**Before:** Direct prismatic high-bays located around the edges of the pool subjected swimmers and spectators to direct glare.



**After:** Working in concert with lighter finishes, indirect **M104** uplights illuminated the natatorium without direct or reflected glare.



Pendant locations along the scoreboard wall incorporate a compact fluorescent wallwasher with 2 x 42W hex tube lamps.



Remote ballast boxes minimize the scale of the suspended uplights, which are painted with the same powdercoat finish.