Three Rivers Community College, Norwich, CT

Architect: Mitchell/Giurgola with Fletcher Thompson
Engineer: Fletcher Thompson

Stack Area
Shelving: 7′ tall x 21′ long back-to-back runs, forming 3′ aisles on 5′ centers
Heights: 7′-6″ to bottom of luminaires; 10′-0″ to finished ceiling
Lighting: 20′ runs formed from (1) 3030-T128-X-02-2-0K-XX-0 (4′ unit) centered between (2) 3030-T228-X-02-2-0K-XX-0 (8′ units)
Modifications: 3′ T5 uplight modules piggybacked above each 4′ T5 lamp in alternating aisles, with designated units on 0E battery backup; integral occupancy sensor control of all downlight lamps
Estimated illuminance: 39 fcai on vertical stack face (34 fci vertical at 30″ a.f.f.); 50 fcai on aisle floors; 19 fcai to 92 fcai on ceiling surface
Estimated power densities: 1.3 W/sf for downlighting; 0.5 W/sf for uplighting

elliptipar Styles 3030 StackLight™, F502 gondolier®

Three Rivers Community College serves students in Southeastern Connecticut, including many on the U.S. Naval Submarine Base at Groton. Offering a broad selection of programs, the college is undergoing a $60 million upgrade of its main campus.

The collections in the refurbished media center are illuminated using **elliptipar's Style 3030 StackLight™**. A single 28W T5 lamp in **elliptipar's** precise extruded reflector drives light straight to the bottom shelves on both sides of the aisle. An innovative variable width cross baffle also redirects any wasted light onto the shelves.

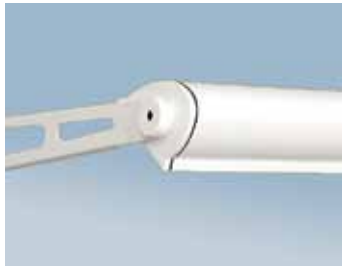
Capable of generating 30+ footcandles vertical at 30 inches, the **3030** exceeds IESNA recommended light levels and complies with ASHRAE/IESNA Energy Standards.

In alternate rows, modular uplights (low profile symmetrical reflectors with single T5 lamps) are mounted on top of the **3030s** to provide glare free ambient illumination in the space. The uplights are switched independently and are designed to be left on when the stack lights are turned off by integral occupancy sensors.

The perimeter walls of the stacks are lit with **Style 3502 gondolier** fixtures cantilevered in front of the shelves on slotted arms. Creating an even wash of light, top to bottom, from a single T5 lamp, the wiring for the fixture heads is concealed in the mounting arms.

The **Style 3030** is designed to be surface, cable or stem mounted. Optional through wiring with quick connects and integral emergency battery packs were specified for TRCC.

Semi-specular parabolic cross baffles in the **Style 3030** provide 25° shielding along the aisle. Optional occupancy sensors are positioned between baffle blades in designated fixtures.



The **Style 3502 gondolier** provides a complimentary wallwash solution for perimeter shelving.