



Style
3034
Stack Light

Architect: Gaudreau, Inc.
Engineer: RMF Engineering
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Stack Area:

Shelving: 7' tall x 2' wide back-to-back units
Aisles: 3' wide x 24' long, consisting of (8) 3' shelving modules
Heights: Approximately 7'-0" to top of shelving; 8'-6" to bottom of fixtures; 9'-6" to ceiling
Lighting: (2) 3034-T228-X-02-1-00-0 8' stack lights mounted individually with 4' separation using VES and VERO2480 adjustable-length aircraft cable supports (16' of fixture per 24' long aisle)
Estimated illuminance: 21 fcai on vertical shelving face; 32 fcai on aisle floor; 11 fcai on ceiling
Estimated power density: 1.0 W/sf of stack footprint

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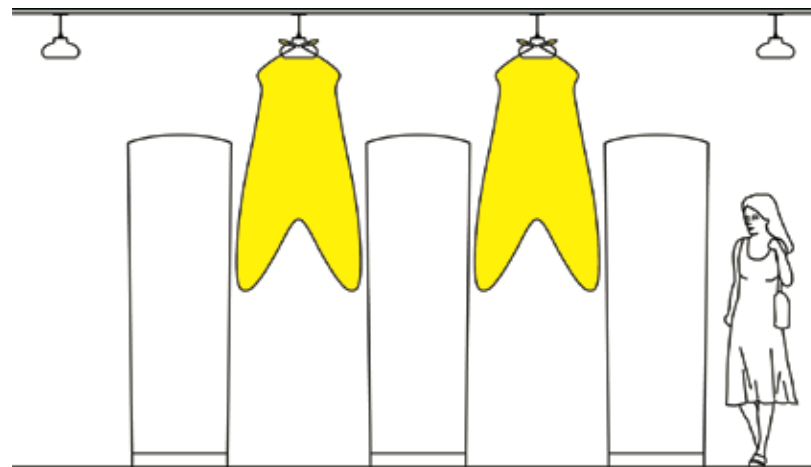
The Community College of Baltimore County educates approximately 65,000 students per year, including half of county residents attending college in-state as undergraduates. It has three campuses and four extension centers, offering 50 associate degrees and 100 certificate programs. CCBC also delivers customized employee development training to more than 100 companies annually.

The Catonsville campus broke ground on its new library building in 2009 to gain space and include some new features. The college administration had already signed the American College & University Presidents' Climate Commitment to green building practices and sought LEED certification for the project, which they achieved at the Silver level. The new 75,482 sq. ft. building is significantly larger than the 1968 library; it also houses seven classrooms, a Student Success Center, and a cyber-café.

elliptipar Style 3034 Oval Stack Lights are suspended with field-adjustable cable supports between the library stacks. A variable width cross baffle redirects light that would otherwise fall onto the floor toward the lower shelves, enhancing uniformity. Slotted openings on top of the extruded housing allow the single T5 lamp to provide a soft glow on the ceiling.



Although typically mounted in continuous, through-wired runs, CCBC's use of only two intermittent 8' fixtures along each 24' long aisle limits the power density of the stacks to only 1.0 W/sf. Typical stack LPD allowances are 1.7 W/sf under ASHRAE/IESNA 90.1 and 1.5 W/sf under California Title 24.



Style 3034 features a soft, oval-shaped form and a 6% uplight component from the single-lamp 28W T5 cross-section.



U.S. Patent 7,708,430