

Poquoson School Gymnasiums



Overview

Two gymnasiums in the Poquoson, VA, school district used Flex Lighting Solutions Essentials Bay Series fixtures to replace 400W metal halides headed into the fall 2012 school year. At Poquoson High School (pictured below), the Flex Lighting Solutions installation tripled light levels while also reducing power consumption from 6,045 to 3,184 watts.

The results were most dramatic at Poquoson Middle School. Existing 400W metal halide high bays were replaced on a one-for-one basis with Flex Lighting Solutions Essentials Bay Series 2-module and 4-module fixtures. Power consumption dropped by more than 60 percent while dramatically elevating light levels. The schools are also benefiting from lower maintenance costs and the instant on/off capabilities of the Flex Lighting Solutions fixtures.

Poquoson School Gymnasiums & Flex
 At Poquoson High School, the Flex Lighting Solutions installation tripled light levels while also reducing power consumption from 6,045 to 3,184 watts. At Poquoson Middle School, power consumption dropped by more than 60 percent while dramatically elevating light levels.



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Poquoson Middle School Lighting

Feature	400w MH (Before)	Flex (After)
Quantity	15	15
Watts	6,900W	2,560W
Footcandles (center)	19 fc	50 fc
Footcandles (perimeter)	8 fc	30 fc
Instant on/off	No	Yes



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