

**Marie Reed Elementary School
Washington, DC**



(Joseph Romeo Photography)

project	Marie Reed Elementary School
architect	Quinn Evans
general contractor	Gilbane Construction
photographer	Joseph Romeo Photography
representation	Chesapeake Lighting

Modifications are possible due to the constant development and improvement of LED technology.

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Opened in 1977, Marie Reed Community Learning Center is a wonderfully diverse school located in the Adams Morgan neighborhood of Washington, DC. With a robust public health clinic, child care center, adult education, swimming pool, and turf field, Marie Reed is the hub of the neighborhood. Designed as an inwardly focused, open concept school, it was an outdated facility that lacked appealing, flexible spaces for a variety of instructional programs and gatherings. Poor acoustics and insufficient natural light throughout the building also hampered instruction.

Every space within the building was redesigned to generate a strong sense of community, with a mix of enclosed classrooms and open commons spaces. The design is inspired by a neighborhood theme, with a large, multipurpose "town hall," intimate "community corners," and an internal "main street" to welcome students with a friendly, easy-to-navigate environment for instruction; large and small gatherings; and self-directed exploration, play, and study.

The modernization not only accommodated the needs of its elementary school students, but the needs of the community for years to come. The exterior of the imposing structure was peeled away to create a more transparent, welcoming presence along the street. A new plaza along this western edge promotes gathering and interaction, and features colorful new playground equipment, a permeable play surface, new bench seating, gardens, and a sculpture garden.

Selux Arca was chosen for its minimalist sleek look, excellent visual comfort and optimal spreading of light with no up light — perfect for lighting the pathways around the community center. Arca blends in seamlessly into its surroundings, the square pole and double pole top mount echoing the brick pattern of the walkway.

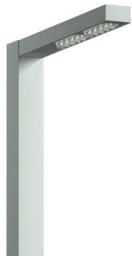
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Arca - Minimalist design for pole
mounting multiple heads



Arca's design language is purist at all times. While it is timeless, a reserved design enables the Arca to blend harmoniously into all public spaces. The proprietary Gen5 light engine gives you an expansive selection of technical light distributions to choose from. Arca also allows different mounting configurations for a unique look and function. IP65 rated light engine has toolless access via a cast aluminum latch, and the complete assembly has an impact resistance of IK08.

Arca



Construction	Two-piece high-pressure die cast housing made of low copper aluminum alloy · Toolless latch allows easy access to light engine and gear tray components · Up to four heads on a square aluminum pole
Optic	Discrete aluminum reflectors · PMMA linear structured lens
Light Source	Gen5 LED in 2700K, 3000K, and 4000K · 80+ CRI
Luminous flux	Up to 5,474lm (single row LEDs) and 10,138lm (double row LEDs) per Arca head · Up to 108lm/W
Light Distribution	Type I · Type II · Type III · Type III Wide · Type IV · Type V Round · Type V Square · Type V Rectangular
Mounting	Single · Double · Sistema · Wall Mount
Dimensions	29" (737mm) long · 4" square pole
Finish	Tiger Drylac certified polyester powder coat finish
Options	0-10V dimming · 347/480V · Photocell · Motion Sensor · GFCI · House Side Shield
Certificates	NRTL Wet Location · 5 Year LED Warranty · RoHS Compliant · Union Made - IBEW Local 363 · ASTM and PCI for finish · IP65 · Dark Sky
[en:]	Exterior
[en:]	Arca

