



Style M454 large integral metal halide mounted on streetlight poles

SEAN DOERR

**Architect:** Albert Kahn (original building 1915)  
**Lighting Design:** SmithGroup, Detroit  
**Photography:** Justin Maconochie and Sean Doerr

**Façade** (Madison Avenue - varies on other elevations)  
**Layout:** Lampposts spaced 35' apart and setback 15' to 20'  
**Height:** Approx. 100' to cornice; luminaires mounted 10' above sidewalk  
**Lighting:** (4) M454-0400-F-99-480V-050, 400W 3200K metal halide  
Est. average illuminance on façade (below cornice): 4 fc maintained

## elliptipar Style M454

In the early 20th century, a group of Detroit's prominent athletes and industrialists commissioned famed architect Albert Kahn to design the magnificent Beaux Arts style Clubhouse that stands today in the center of the city's theatre and sports district.

In the early 21st century, SmithGroup was commissioned to enhance the significance of the building as an urban landmark. The resulting design layers light onto the classical six-story façade addressing the base, middle and top.

The initial layer is a broad uniform wash of light over the base and middle. Constrained to short setbacks due to being mounted on adjacent streetlight poles and lampposts, **elliptipar's** outdoor **Style M454** provides the required sharp asymmetric beam with wide lateral distribution. 3200K 250 and 400W metal halide lamps complement the warm limestone.

The combination of a slipfitter attached to the ballast housing and adjustable sidearms allows the luminaires to be positioned upright on tenons bolted to the existing poles.

**The project was awarded IALD's Lighting Design Award of Excellence and Architectural Lighting magazine's Outstanding Achievement Award in 2006.**



The composition is completed with narrow beam floodlights on poles across the street focused on the upper middle and top to wash out harsh shadows. T6 metal halide units accent the middle pilasters. Rows of 3000K LEDs behind the balustrades and on a small ledge below the cornice accentuate the intricate details.



Sources are inconspicuous with luminaires well integrated into the surrounding streetscape and on the building. The **Style M454** units were finished in RAL 6008 "brown green" to match the period style lampposts and streetlight poles. The precise asymmetric pattern minimizes spill and trespass light without the need for special shielding.