



Style
S170

Original Architect:
Douglas Orr
Lighting Design:
SRSA

Brick Façade:

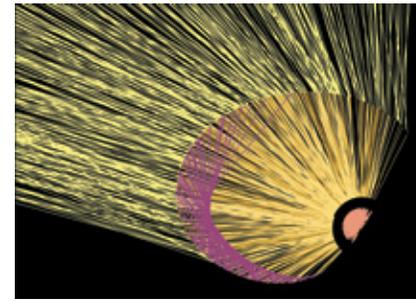
Height: 21' to cornice line above second floor windows
Lengths: Courtyard (above) = 36' (longer side) and 18' (shorter side); street elevation (next page) = 29'
Lighting: Courtyard = (4) S170-0700-S-06-1-V0-0-30-00 (3 longer side, 1 shorter side) on paver pedestals, by others; street elevation = (4) S170-0700-X-06-1-V0-0-30-00 with ASP06T10 slipfitters on conduit stub-ups, by others
Estimated illuminance: 2 fc avg. initial, courtyard walls; 3 fc avg. initial, street elevation
Estimated power density: 0.08 W/sf of illuminated façade surfaces

fraqtir Style S170 LED

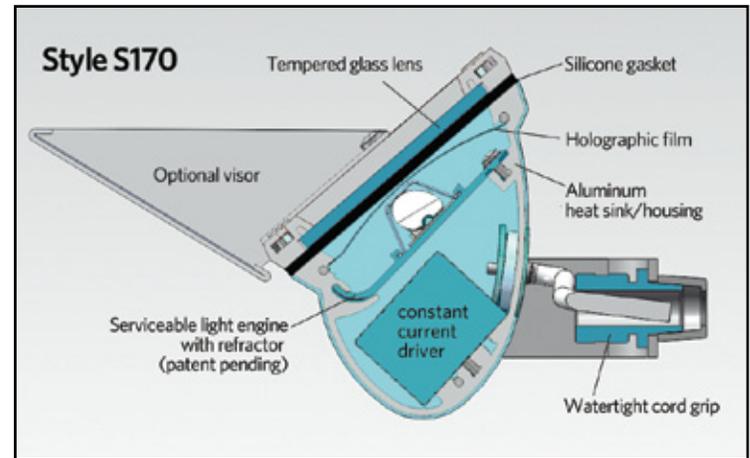
New Haven architect Douglas Orr (1892-1966) designed a number of the city's landmarks, working in Art Deco, colonial revival and modern styles. The Art Deco office building for Southern New England Telephone (1938), now The Eli apartments, is on the National Register of Historic Places. Orr designed the WWI memorial on the New Haven Green, the New Haven Lawn Club, and several buildings for Yale University. He served as president of AIA from 1947 to 1949 and assisted in the 1949 renovation of the White House.

Orr's original design for this Connecticut residence was completed in 1928. A major renovation in 2005 introduced four 100W halogen fixtures along the street elevation (location shown at right) to illuminate the brick façade and main chimney profile.

The 100W halogen fixtures were replaced with an equal number of outdoor slipfitter-mounted **fraqtir Style S170s**, which create a comparable appearance while using 18W serviceable LED light engines with Philips Lumileds LUXEON A emitters. In addition to cutting energy use by 80%, the switch to an asymmetric LED fixture has also increased anticipated service life from 2,000 to 50,000 hours. An additional four **Style S170s** on paver pedestals (by others) illuminate the courtyard pictured on the previous page.



fraqtir's proprietary optic uses refraction and total internal reflection (TIR) to channel and transform light from LEDs into a smooth asymmetric distribution (shown oriented here and in the section below to uplight an overhead canopy surface).

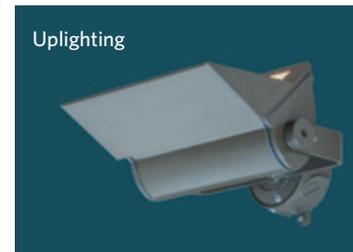


X-mount units with ASPO6T10 slipfitters at the street elevation (above) are located at 3' setbacks and spaced 6'-9" to 8'-6" o.c. S-mount fixtures for the courtyard (previous page) are positioned at 4' setbacks and spaced 8'-6" to 9'-6" o.c.

S-mount units (used in the courtyard) include a wet location junction box finished to match the fixture. The "VO" option provides a back side cutoff visor for greater light source concealment.



Lighting the Vertical Plane



Uplighting



Lighting the Ground

fraqtir Style S170 is also available in a variety of mountings for illuminating overhead canopy structures as well as ground and landscaping areas.