

CASE STUDY

DIRKSEN FEDERAL BUILDING, CHICAGO, IL
LIGHTING UPGRADE

Located downtown Chicago, was designed by Ludwig Mies van der Rohe and was completed in 1964.

The building houses the US Court of Appeals for the Seventh Circuit, the US District Court for the Northern District of Illinois, the US Bankruptcy Court the US Marshal for the Northern District of Illinois, US Attorney for the Northern District of Illinois, and local offices for various court-related federal agencies, such as the Federal Public Defender, US Probation Service and US Trustee.



THE CLIENT CHALLENGE

The Dirksen Federal Building, with an aging lighting system, had a need for an updated lighting plan to incorporate dimming capabilities and networked controls for their courtrooms and classrooms on the 14th floor. This encompassed over 28,500 sq. ft. of space.

RTS performed an audit of the 14th floor of the federal building. RTS evaluated vast numbers of variables such as how the space will be used, amount of day-light, load potential, dimming, lamp color, initial cost, and cost to maintain moving forward.

THE LIGHTING SOLUTION

Retro-Tech performed a lighting upgrade within the Dirksen Federal Building. This \$400,000+ lighting project was performed in order to provide new dimming luminaries and control systems for courtrooms and classrooms.

The upgrade included new dimming compact fluorescent cans, dimming fluorescents, and dimming metal halide luminaries. In addition, an extensive Payne-Sparkman Controller was installed along with a computer network which provided touch screen controls at various points in the courtrooms.

THE RESULTS

The overall results are impressive. The lighting system is now fully dimmable in multiple stages and each judge has complete control over all of the courtroom lighting.

FOR MORE INFORMATION

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