

DELTA

Snapshots

Issue 1

Corridor Lighting

There are many ways to light a corridor. This application illustrates a clever way to accentuate the curve of the corridor, while providing comfortable, indirect lighting.

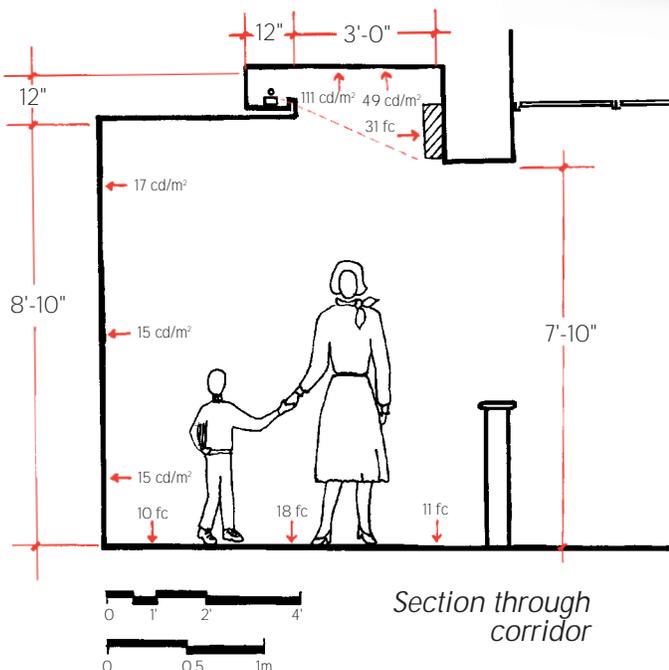
Application Profile

One intent of the design of the Connecticut Children's Medical Center was to provide visual variety for children and parents visiting the hospital. An asymmetrical architectural cove echoes the shape of the curved corridor, and the soffit drop on one side suggests an edge to the corridor without a full wall. Fluorescent striplights directly light the ceiling and the multicolored, folded steel sculpture mounted to the base of the soffit, and indirectly light the path below. Good color rendering lamps are used to flatter skin tones and the colors of the sculpture.



Connecticut Children's Medical Center Corridor

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Lighting Objectives

- Reinforce the architectural design
- Focus attention on the metal sculpture instead of the luminaires
- Minimize glare for visitors and hospital staff
- Provide good color rendering

Lamps, Ballasts, and Energy

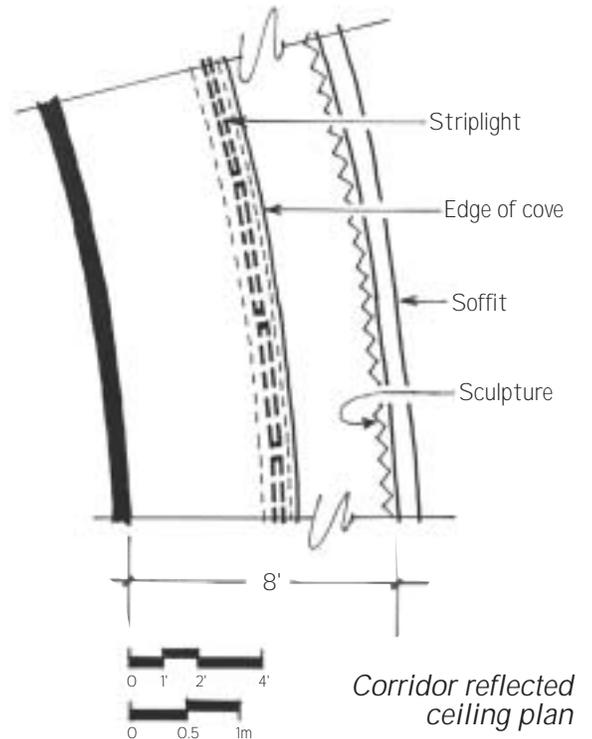
F32T8/RE735 lamps and electronic ballasts are installed for energy efficiency and reduced lamp flicker. The corridor's energy use is approximately 1.0 W/sq. ft.

Design Highlights

Architectural/Lighting Integration: The dimensions of the cove were carefully calculated so that the fluorescent lamp rises above the lip of the cove. This directly illuminates the steel sculpture as well as the ceiling, and the extended soffit drop cuts off any view of the lamp. (Normally, the lip of the cove should be as tall as the full height of the lamped striplight to block the lamp from view.)

Comfort: The lighting helps visitors and staff orient themselves in the building, and find their way along the corridor. It does this without any visible luminaires or direct glare.

Color: The fluorescent lamps have a CRI of 75 and a correlated color temperature of 3500 K (neutral).



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