



# ACNE STUDIOS

New York, NY  
Designer Retail Boutique



*Luminous walls address several design challenges to deliver the primary illumination for this boutique space*

## OVERVIEW

The lighting design objective for Acne's NYC store was to maximize the retailer's interior space and fill it with natural light without the constraints of bulky traditional luminaires.

The solution was to provide illumination by integrating floor-to-ceiling luminous surfaces directly into the walls using frosted glass to create an effect similar to the daylight streaming through the windows at the storefront, thus ensuring the space was open and bright to align with the brand's aesthetics.

ARCHITECT: Tom Hopes, Sophie Hicks

LIGHTING DESIGN: Tim Hunt, ARUP

## HIGHLIGHTS

The design team faced three challenges in meeting the overall objective for lighting the space

1) Low ceiling height precluded using traditional ceiling mounted luminaires

**SOLUTION:** use the walls to provide the primary illumination for the space

2) Create an open, natural environment in a restricted space lacking in volume

**SOLUTION:** use large-scale luminous surfaces to create “immersive” illumination that delivers high flux levels without shadows or glare

3) Optimize the amount of valuable but limited floorspace available for merchandise

**SOLUTION:** limit the depth (setback) of the luminous surfaces to 2” (50mm)



*Luminous walls complement the natural light from the storefront windows*



*WOMEN'S WEAR DISPLAY AREA: a 20ft (6m) wall with vertical runs of 7 full TILES plus one cut-to-fit TILE at bottom of each run. The remote mounted drivers were located in the basement for accessibility.*



To deliver a luminous surface solution that met all of the design criteria, the Cooledge TILE Interior system was chosen. TILE Interior provides the consistent light output required to successfully create uniform luminous surfaces at the low required setback distance.

*CURVED ACCESSORIES DISPLAY: an 8ft (2.4m) wall with vertical runs of 7 full TILES plus one cut-to-fit TILE at bottom of each run. The remote mounted drivers were located in a stockroom closet for accessibility.*

**APPLICATIONS DETAILS:**

- Diffuser Material: Frosted Glass
- Shop Area: 1300sqft (120 sqm)
- Illuminated Area: 750 sqft (70 sqm)
- Setback: 2in (50mm)

**PRODUCT SPECIFICATIONS:**

- Product: TILE Interior
- Flux: 300 lm/sqft (3200 lm/sqm)
- Color Temperature (CCT): 4000K
- Color Rendering Index (CRI): >80



*TILE Interior illuminates the floor-to-ceiling walls from behind frosted glass*