

The ARC logo consists of the lowercase letters 'arc' in a white, sans-serif font, enclosed within a white square border.

LIGHTING IN ARCHITECTURE

#152

Cover Story:

Memorial Brumadinho, Brazil

Exterior Lighting

David Chipperfield Design

Milan Design Week Review

18 Cross Singapore

Strategically positioned between Singapore's CBD and Chinatown, 18 Cross is a 66,680sqm mixed-use development that comprises a 15-storey office tower, a four-storey podium, restored conservation shophouses, and two basement parking levels.

Despite its prime location, the area had previously faced challenges, such as an oversized, industrially-styled podium creating a discordant atmosphere, low foot traffic and several unleased units.

However, a recent redevelopment project, led by architecture studio Benoy, alongside lighting consultants at Cundall, sought to integrate these disparate elements into a cohesive and vibrant urban quarter.

Lighting played a key part in this redevelopment. Built around its overall focus of "Darkplanning", Cundall's vision was to use indirect lighting to accentuate the materiality and texture, bring definition to the form and geometry of the space, and add in extra reference to architectural hierarchy.

The lighting design therefore looks to bring focus on the main thoroughfare and 45° intersection elements to captivate both pedestrians and peak-hour motorists from all angles.

Collaborating with Benoy, the lighting is seamlessly built into the aluminium cladding of the tower, casting dramatic shadows, highlighting textures, and bringing the façade to life at night.

By taking an indirect lighting approach, obtrusive light spill is minimised, aiding in reducing light pollution in the urban environment, while at the same time allowing for a more refined approach to the luminous intensity required to create impact overall, reducing power consumption of the façade installation.

The completed design transforms 18 Cross into a "luminous beacon" for Singapore's CBD – transforming a previously underutilised space and successfully elevating the local urban landscape, while enriching the community experience.

www.cundall.com