

# Atrium lighting & maintenance areas

General lighting of a large, glass roofed Atrium, using a maintenance gantry. Suspending Lighting, cables, or secondary reflector mirrors from the tubular steel support or roof structure was not an option open to the Electrical Design Team.

Ease of installation of floodlighting and feeder systems essential.  
Safe access for future maintenance.

Benefits and key issues:

- Bus-bar systems used to avoid conventional labour intensive wiring at height. It costs permit.
- Gantry designed to accommodate floodlighting for walkways located directly below gantry.
- Floodlights prepared at floor level with flying lead and plug in facility to enable quick installation into Bus-Bar at Gantry level.
- Colour of gantry & floodlights co-ordinated to blend into background.
- Floodlights pivot inboard of Gantry to provide safe access for relamping.
- Floodlights can slide along fixed rail for aiming during commissioning.
- Gantry designed to accept quick fix installation of Bus-Bar instead of trunking and conventional wiring.
- Clear unobstructed gantry walkway for future maintenance and relamping of the floodlights.
- No specialist working platforms or scaffolding required for future maintenance.

