

# INTERNATIONAL: MASDAR MIST 1A, UAE

## Natural Lighting

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Areas of the passenger transport system in Masdar City, Abu Dhabi, one of the world's most sustainable cities, have been illuminated by a natural daylight environment created using Monodraught SUNPIPES® natural daylight systems.

This includes the longest one piece SUNPIPE in the world with 7.5 meters. The works has been conducted by Edison Lighting which is the longest serving Monodraught distributor based in Dubai. A total of 449 SUNPIPES have been installed in the first phase of the MIST (Masdar Institute of Science and Technology) project, to deliver natural daylight to the undercroft. Another unique feature of these SUNPIPES is a new reinforced glass dome that replaces the familiar Diamond dome. The dome can withstand wheel loads of up to 28 tonnes at podium level, where emergency roadways are closed to pedestrians but provide safe, easy access for fire tenders, ambulances and maintenance vehicles. The reinforced glass dome is 500 mm in diameter and the recycled reflective aluminium tube diameters are 450 mm.