



Design Solutions for Truly Sustainable Lighting

Mark Ridler

Lighting Director BDP

VP Arch Ltg ILP



The Triple Bottom Line



The Triple Bottom Line

Social Needs



The Triple Bottom Line

Social Needs

Economic Needs



The Triple Bottom Line

Social Needs

Economic Needs

Environmental Needs



Environmental Needs

Energy

Carbon

Peak Oil

Toxicity

Economic Needs

Capital Cost

Operational Cost

Maintenance

Brand (corporate responsibility)

Government Incentives (CRC)

Peak Oil

Energy Security

Soft Costs

Staff: recruitment retention
productivity

Customer: spend retention
attraction

Night time economy

Crime reduction



Social Needs

Visibility

Task Performance

Visual Comfort

Social Communication

Mood and Atmosphere

Health Safety and Well being

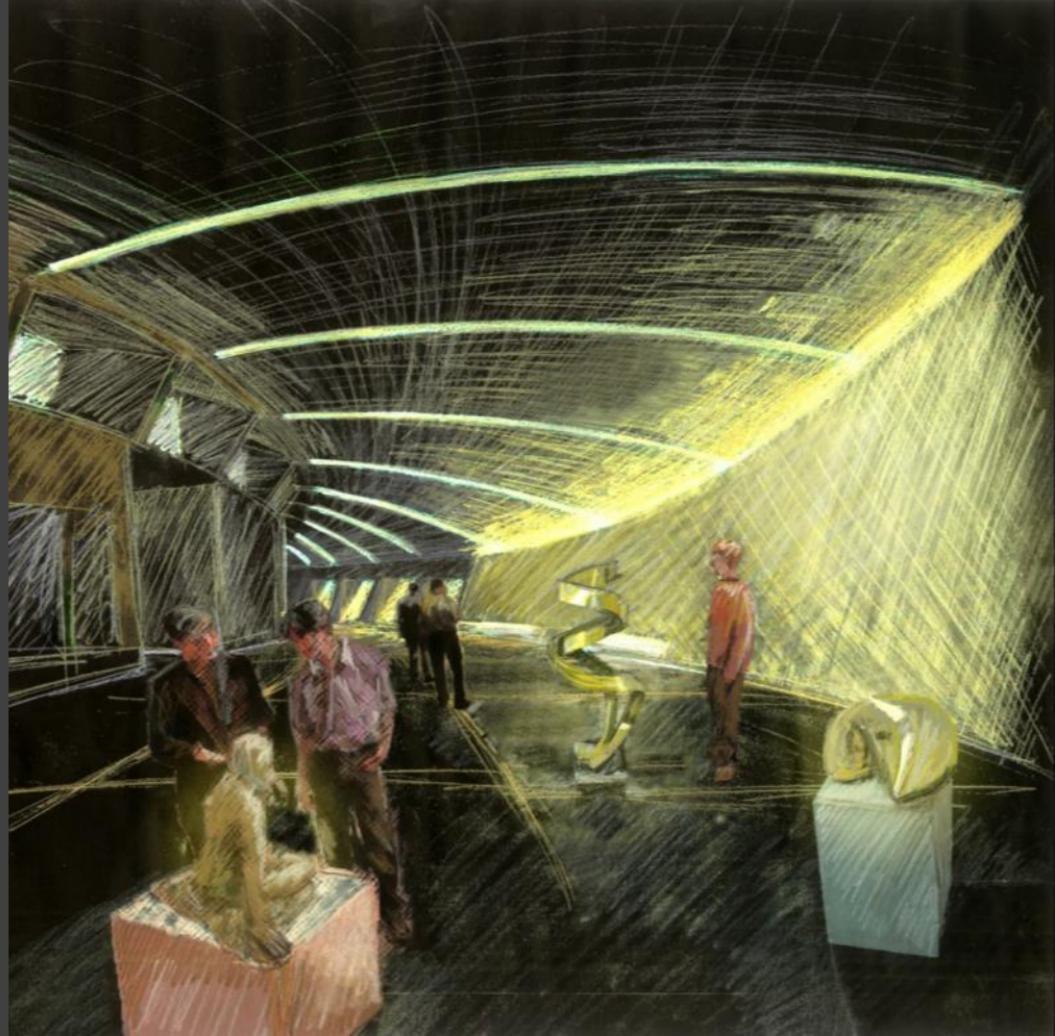
Aesthetic

Strategies

Daylight

Technology

Design



Design Strategies

The right Quantity

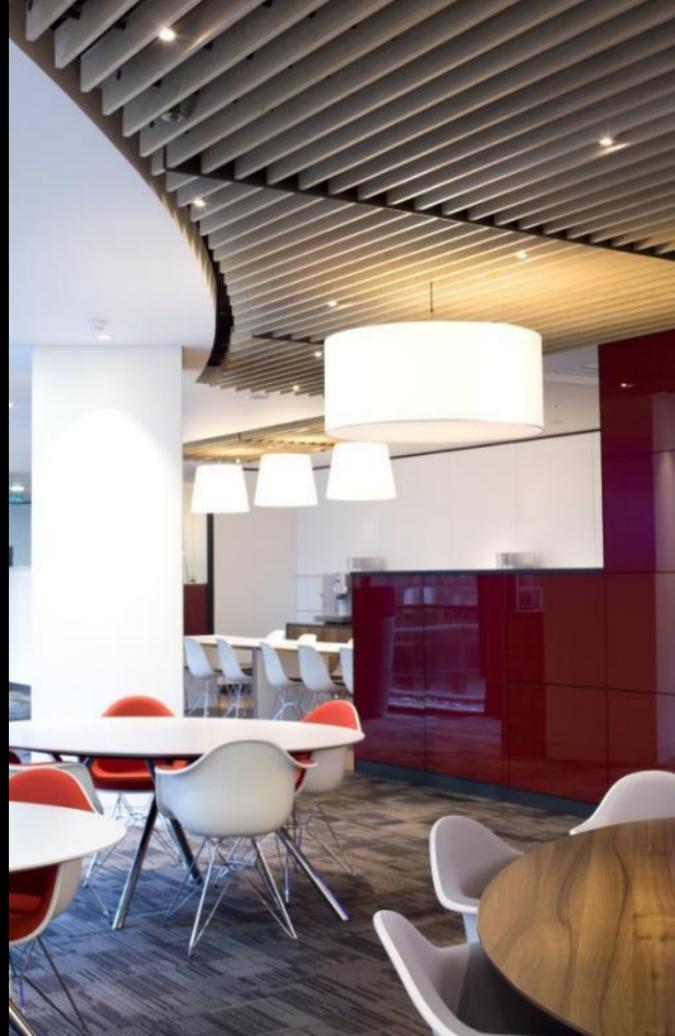
The right Place

The right Time





















FIRE
EXIT →

Aceto Gnocchi Fagioli Frittata Linguini





























