

Art Conservation Vitrines



Reduces light damage on art as
function of CIE light sensitivity

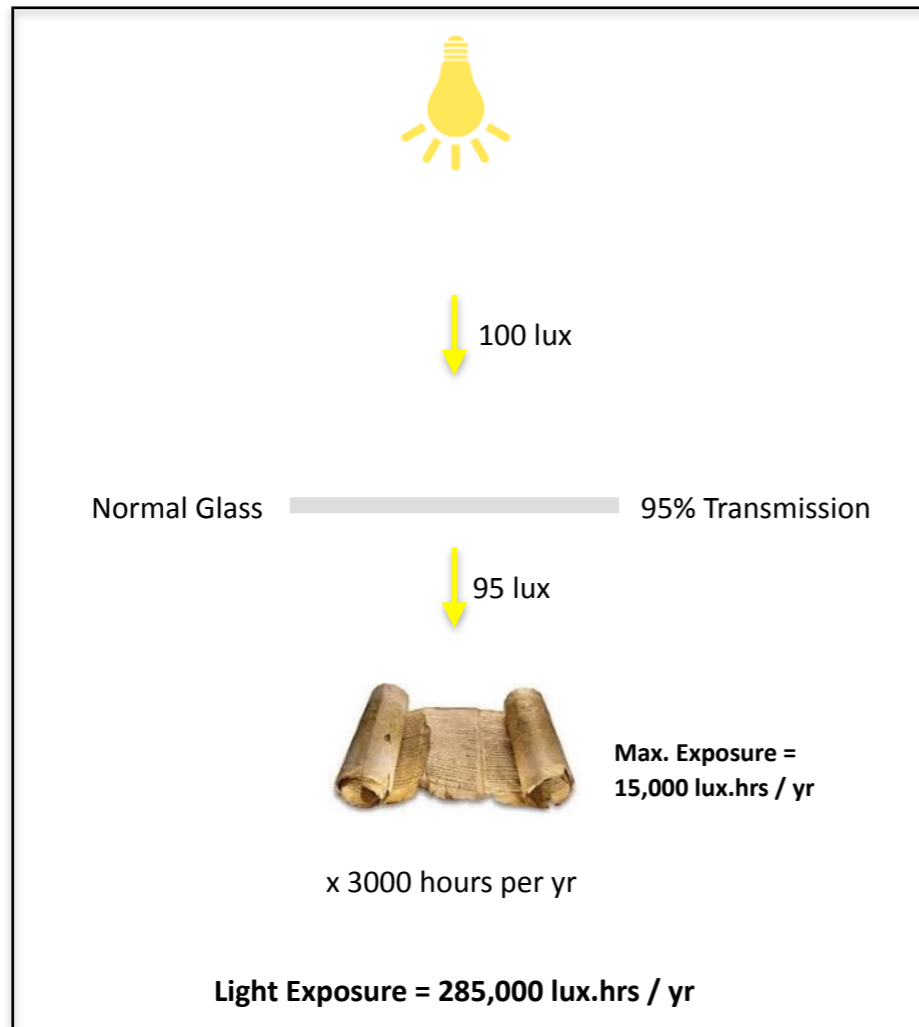
CIE Technical Report 157

CIE 157:2004 - Light Response Matrix							
CIE Category	Description	Example Materials (see CIE 157:2004 for full list)	Max Illuminance (lx)	Max Exposure (lx.h)	ISO Rating	Years to notice deterioration (assumes exposed for 3000 hours per yr at 50 Lux)	
						Daylight	Without UV*
4	Highly Sensitive	Silk, fugitive colorants*, newspapers	50	15,000	1	1.5	2
					2	4	7
					3	10	20
3	Sensitive	Costumes, watercolours, pastels, tapestries, prints and drawings, manuscripts, dyed leather, botanical specimens.	50	150,000	4	23	67
					5	53	200
					6	130	670
2	Slightly Sensitive	Oli and tempera painting, fresco, undyed leather and wood, horn, bone, ivory, lacquer, some plastics	200	600,000	7	330	2000
					8	800	7300
1	Not Sensitive	Most metals, stone, most glass, genuine ceramic, enamel, most minerals	no limit	no limit			

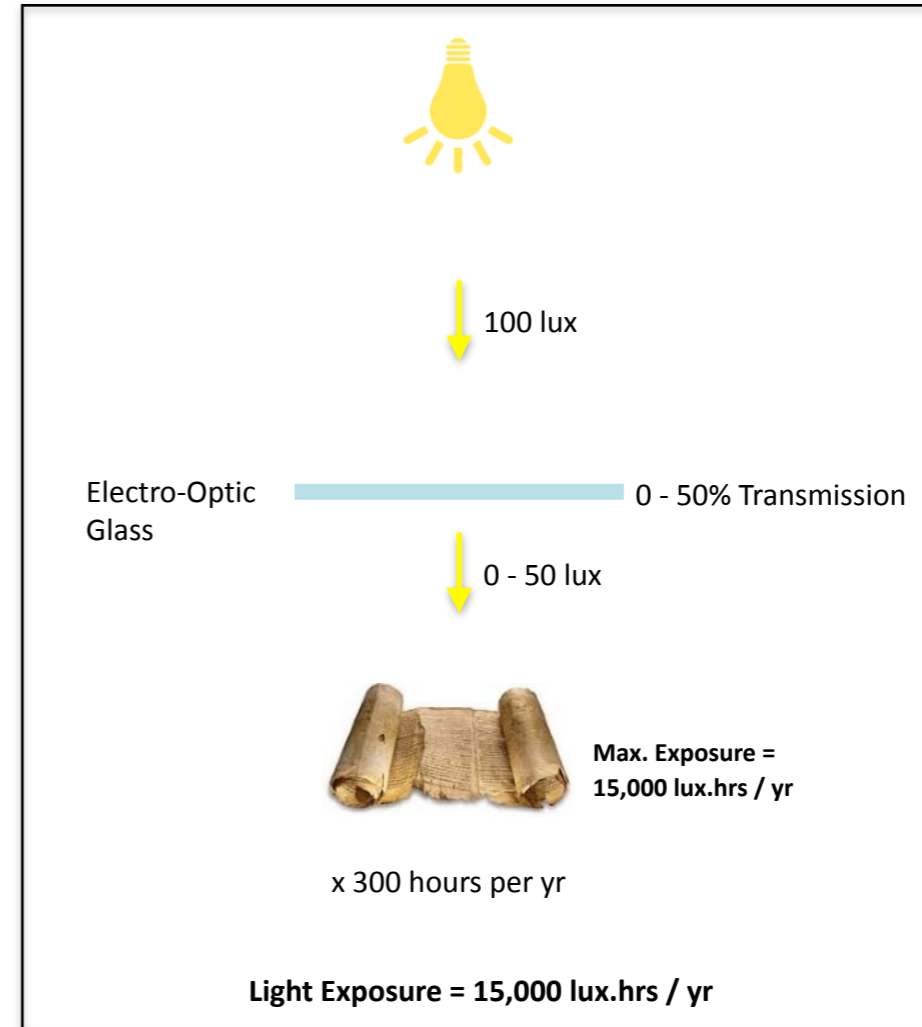
source: CIE Technical Report 157:2004 | "Control of Damage to Museum Objects By Optical Radiation"

* Indigo, lake, gamboge, yellow lake, brown pink are all highly fugitive when exposed to light.

Existing Vitrine

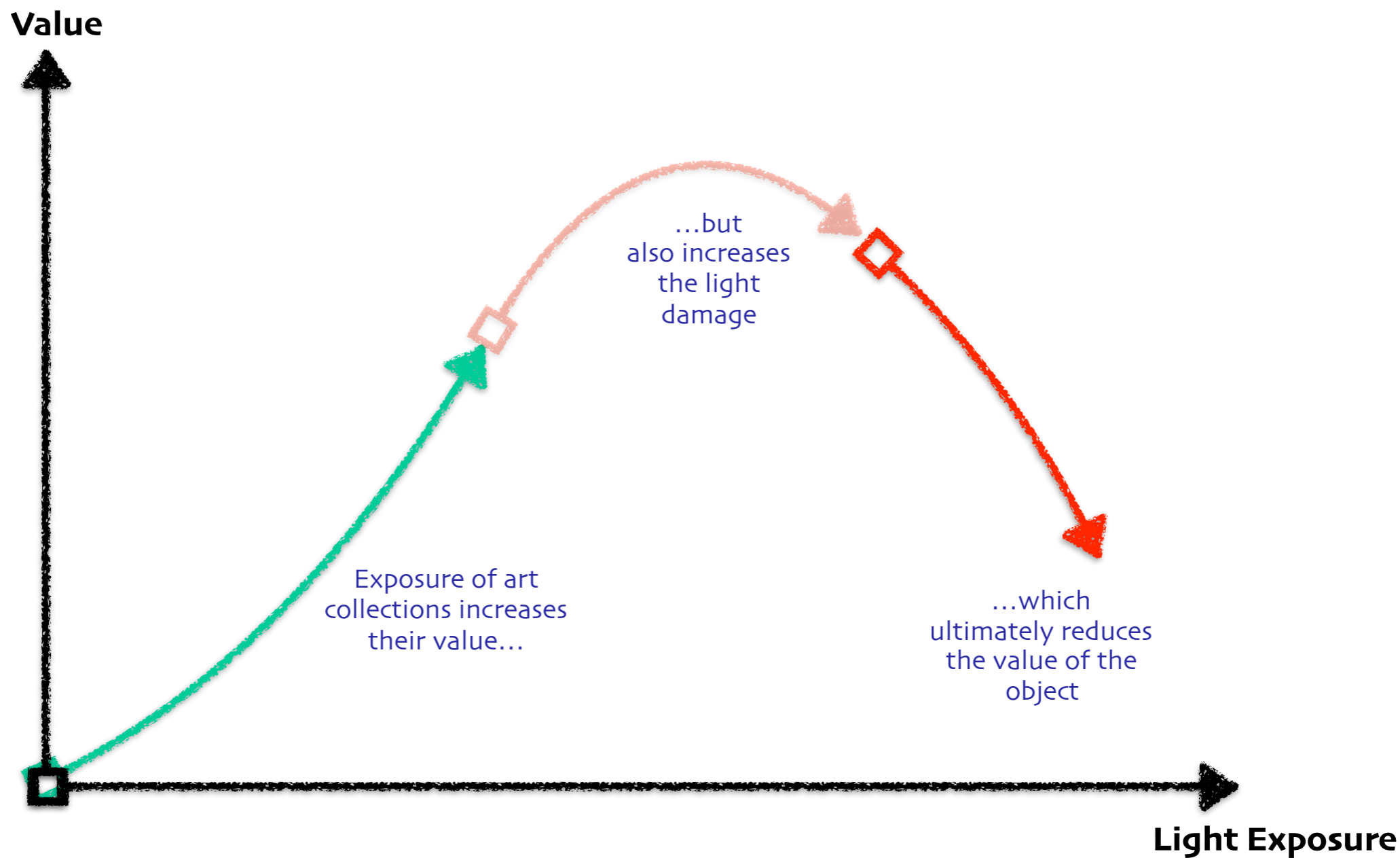


ArtRatio Vitrine



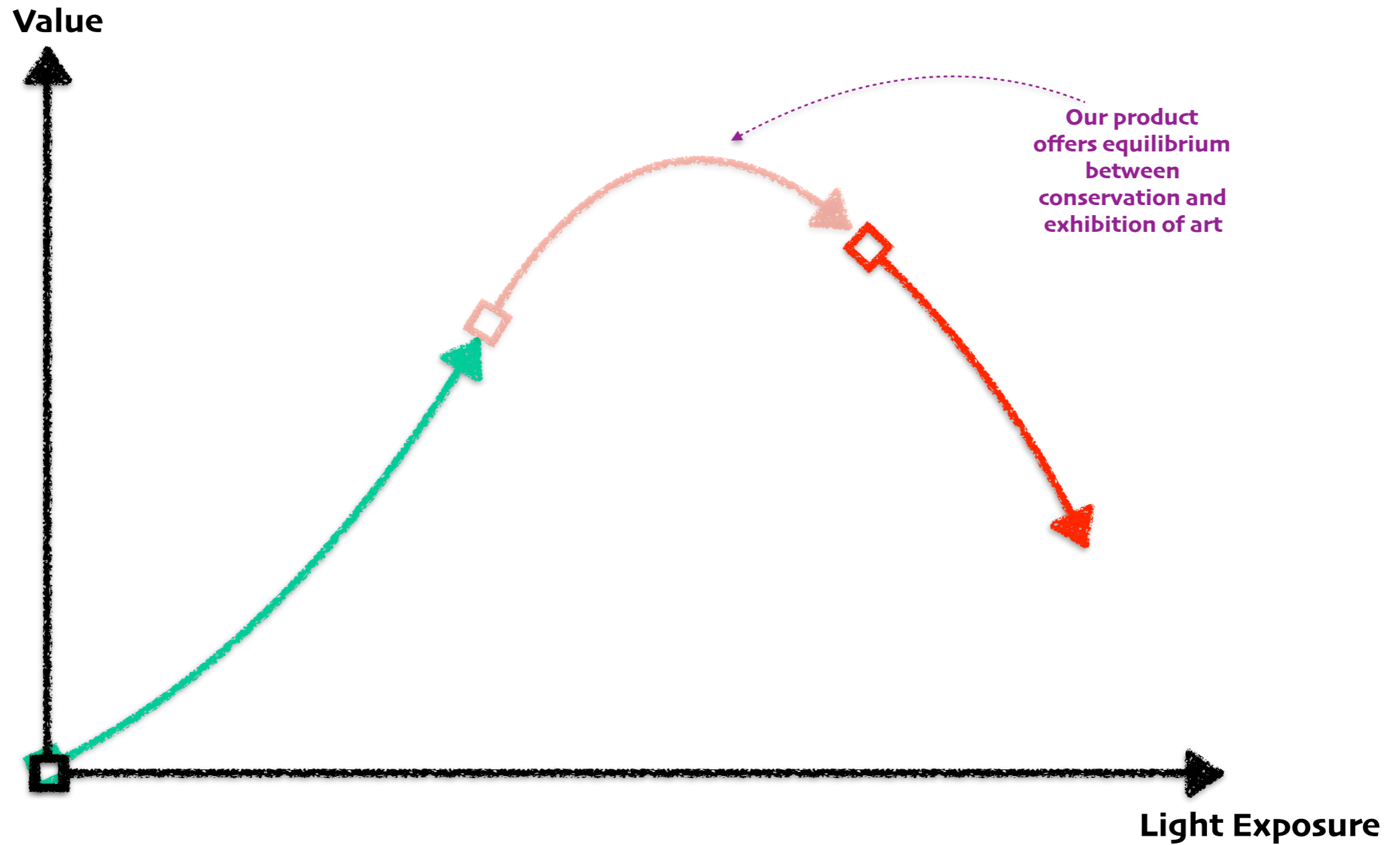


Conservation in real time





Conservation in real time



DX-1 Conservation Case

Spanish Guitar
Museum, Almeria
(Spain).

Original Torres Spanish
Guitar from 1888.



DX-3 Conservation Frame

Original map of
the 1815 Battle of
Waterloo.

Star object at the
Royal Engineers
Museum, Kent
(UK).



DX-2 Conservation Table (Flat)



Protects sensitive artefacts
from UV, IR and visible light
damage.

DX-2 Conservation Table (Flat)



Spectacular proximity-driven presentation of art, historic and luxury items.

DX-2 Conservation Table (Flat)



- Perfect for manuscripts, books and antique jewellery

DX-2 Conservation Table (Inclined)



- 20° incline allows optimal display of maps, books and manuscripts



ARTRATIO.CO.UK

DX-2 Conservation Table (Inclined)



- Perfect for manuscripts, photographs and antique maps



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DX-2 Conservation Table (Inclined)



- Protection from UV, visible and IR light when nobody is viewing the item
- Humidity control drawer for silica gel



ARTRATIO.CO.UK

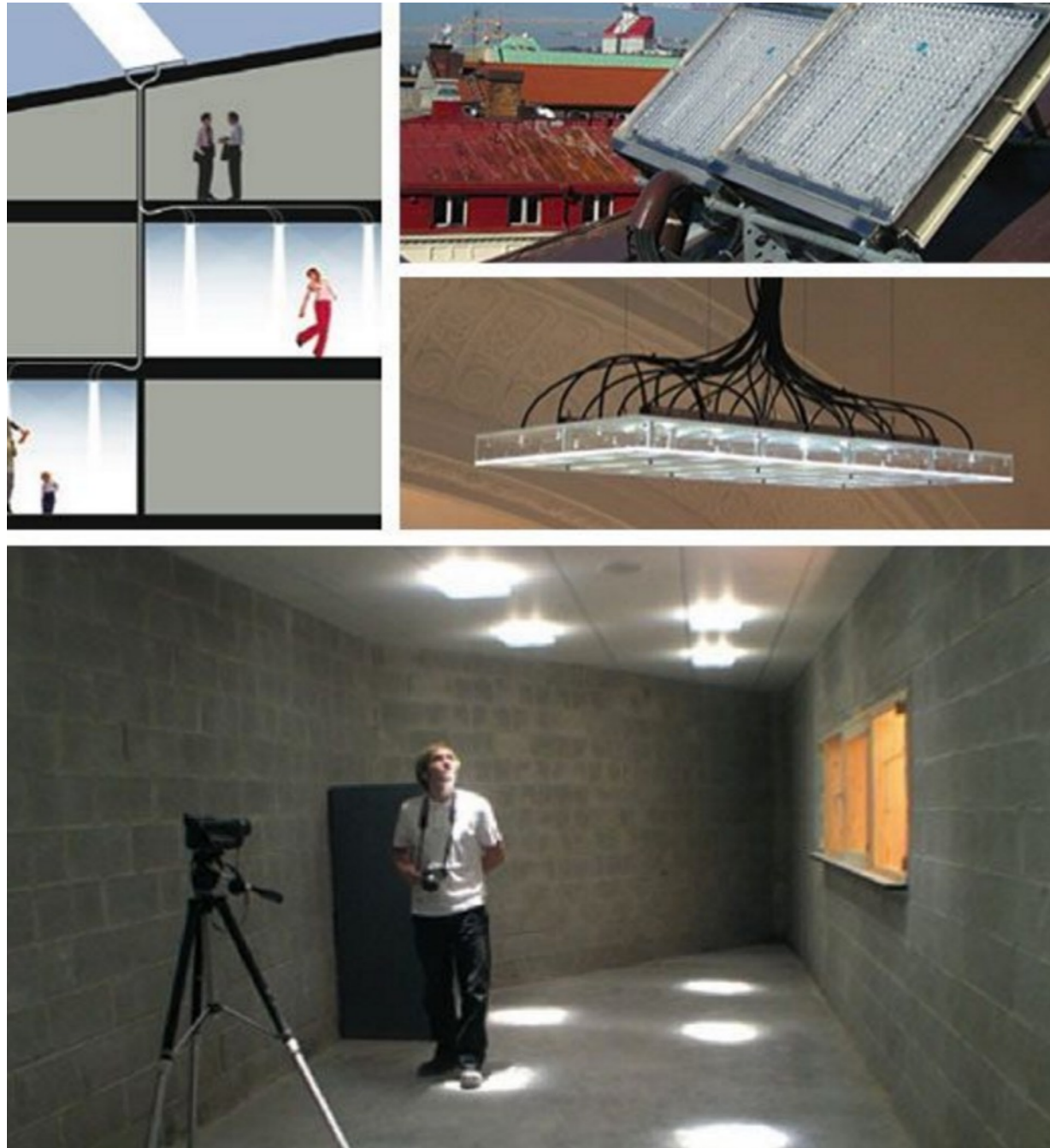


Latest News



ArtRatio is pleased to be listed as an Industrial Partner with the Oxford University backed SEAHA Centre for Doctoral Training, which aims to meet future challenges in the heritage sector, industry and government.

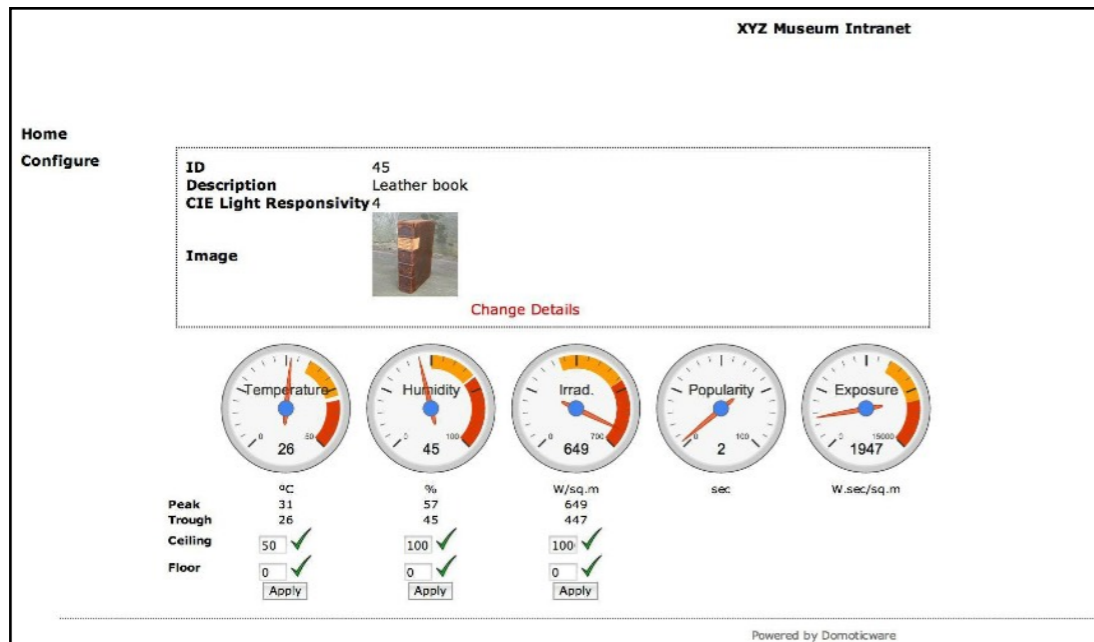
New for 2018



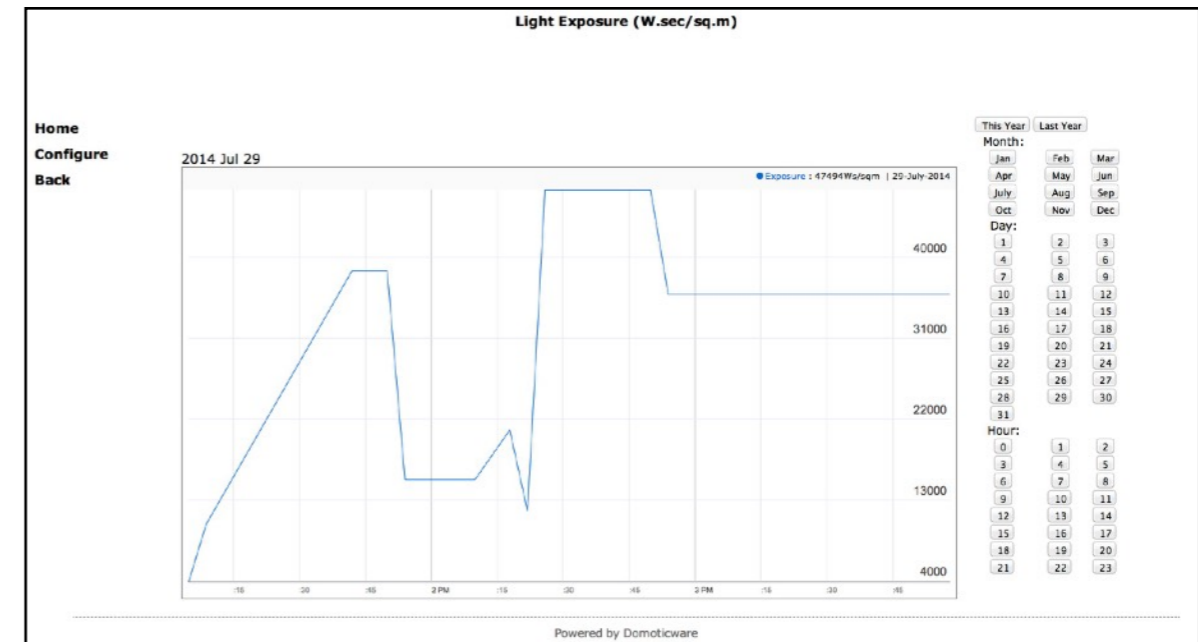
Natural Sunlight Piped by Optical Fibre into Art Display Case



Visualise the well-being of your collection



Real Time



Historical



ARTRATIO.CO.UK



Customisation Options

- **Glass**

4% or 8% reflectance, 50% or 60% maximum transmittance, 9.5 or 11.5 mm thickness, tempered or bullet-proof glass.

- **Materials**

Steel, aluminium or treated hardwood.

- **Lighting**

Energy-efficient LEDs can be customised for lumen output, colour temperature and light distribution.

- **Control**

Wireless portal allows visualisation of conservation data

User-Configurable Options

- Triggering range of proximity sensor
- Dimming of LEDs
- Humidity Control
- Light Damage Control tuned to the sensitivity of the piece



María Poyatos Andújar
Musicologist & Pianist

“Manoj manages to find the best in the people he works with and the projects which he develops. I have enjoyed Manoj's excellent service and his continual search for improvement in his products: both professionalism and human quality in equal proportion”

August 20, 2014, María was Manoj's client



James Scott
Curator at Museum of Richmond

“I worked with Manoj in 2014/15 on a project which help commemorate and preserve one of our museum's star objects; the Waterloo Map. Manoj was extremely helpful whilst putting together our bespoke solution and I would certainly recommend working with him in future.

January 12, 2016, James was Manoj's client



Gregory M. Sottile, M.B.A., Ph.D.
Director of Sales and Marketing at USI, Inc.

“It is a privilege for me to write this recommendation on behalf of Manoj Phatak. Manoj and I collaborated when I was employed by Research Frontiers Inc. and worked within its Variguard division. During this period, my interactions with Manoj were extremely positive and productive. We communicated regularly and often discussed many of the more technical details of our respective product and service offerings. Manoj is a highly proficient, well-organized professional who effectively blends scientific competency with strong interpersonal skills. I enjoyed all of my interactions with Manoj and would be delighted to work with him again on future projects.

August 28, 2014, Gregory M. was with another company when working with Manoj at Domoticware

Management Team



Manoj Phatak
Founder & CEO

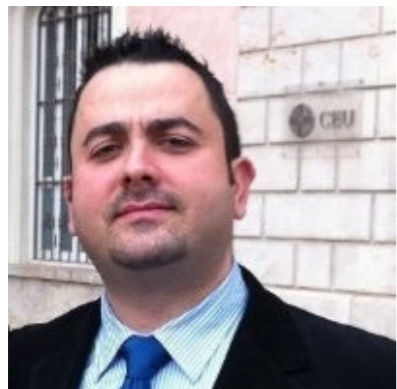
Chartered Engineer at the UK Engineering Council. Degrees in engineering from Southampton and Oxford Universities.

Currently instructor & examiner at Credit Suisse, Adidas, Barclays, Roche and Qatar Petroleum.

Tania Martin
Chief Marketing Officer

Degrees in Economics and Politics from Sydney and London Universities.

Previous Director of Marketing at Dow Jones International in London.



Joaquin Poquet
Chief Art Officer

Fine Arts degree (Valencia University), Masters degree in Cultural Heritage.

20 years experience working with clients such as El Prado Museum, Madrid.

Dr. José Antonio Carrasco
Chief Technology Officer

Masters in Physics and a Doctorate in Electronics Engineering from Valencia University.

Current projects at the European Space Agency and Airbus.



Luis Martínez, Architect
Chief Sustainability Officer

Degrees in Architecture and Building Design from Valencia (Spain) and previous Director-level positions in Public Planning at the Universities of Alicante and Murcia.

Carla Pohli. Director of Business Development (Hong Kong)

Previously Advertising Director at The Asian Wall Street Journal.

Bachelor's degree from Monash University, Melbourne and a postgraduate degree in Japanese with Economics.

