Lighting Design Austria

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Presentation Overview

Lighting Design Austria- Who are we?

- Introduction
- Scope of Work

Sustainable Lighting Design- What do we do?

- What does an Independent Lighting Designer do?
- Design processes created to benefit you, the client

Masterplan Lighting Design-What happens at a larger scale?

- Design Components
- Design Process

Lighting Design Austria

Introduction



The creative team of Lighting Design Austria (LDA) has more than 40 years of international experience as a leading **independent engineering office** in the area of natural and artificial lighting design.

Lighting Design Austria

Scope of Work

Daylight
Artificial Light
Outdoor Lighting / Urban Lighting
Facade Lighting
Stage Lighting
Landscape Lighting
Landscape Lighting
Effect Lighting - Intelligent Lighting Systems
Electrical, Building and Energy Management
Cost Reductions - Value Engineering
Energy Optimizations
Green Technology Audits
(Cost, Benefit, Environment Calculations)



the right lighting at the right place in the right position

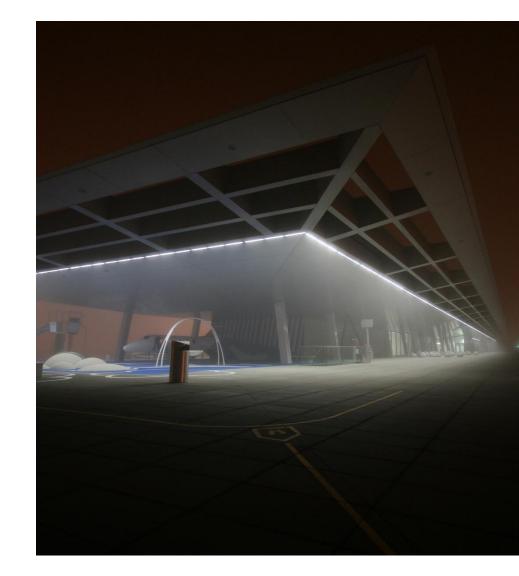
What does an Independent Lighting Designer do?

An **independent lighting designer's** goal is to make the best design, considering all factors of the project.

The main goal for a manufacturer is to sell products.

The independent lighting designer is the only one who can guarantee:

neutrality
competence
flexibility
diversity
individuality



Design Process

The process that leads to sustainable results is multifaceted and is based on step-by-step, coordinated optimization. Including the following:

Fixtures performance tests





Costs analysis

			Exterio	e and Facai				
		Power	Power Total	Quantity Landscape	Price Unit		Price Total	
LDA Code		Unit						
CM02A	HIT 250W	250.00	2,500	10	AED	2,995.00	AED	29,960.00
CM02B	HIT 150W	150.00	6,000	40	AED	2,277.00	AED	91,080.00
СМОЗВ	T5 54W	62.00	2,728	44	AED	309.00	AED	13,596.00
CM04A	LED 14,4W/m	14.40	778	54	AED	1,226.33	AED	66,222.00
CM04B	LED 14,4W/m	14.40	0	0	AED	1,226.33	AED	-
CM04B	LED 14,4W/m	14.40	0	0	AED	870.33		
CR04AX	LED 15W	15	720	48	AED	610.00		
CR04AX	LED 9W	13	0		AED	1,597.00	AED	-
CR04BX	LED 22W	22	1,408		AED	610.00	•	
CR04BX	LED 13W	16	0		AED	1,722.00	AED	-
CR04C	LED 22W	22	660		AED	640.00		
CR04C	LED 13W	16	0		AED	1,722.00	AED	-
CR04CX	LED 22W	22	154		AED	640.00		
CR04CX	LED 13W	16	0		AED	1,722.00	AED	-
FM02A	TC-TEL	84.00	168	2	AED	34,301.00	AED	68,602.00
FM02B	HIT 70W	70.00	210	3	AED	78,468.00	AED	235,404.00
FR01A	LED 1,1W	1.10	15	14	AED	846.00	AED	11,844.00
FR03A	LED 10W	10.00	280	28	AED	2,099.75	AED	58,793.00
LL01A	LED 14,4W/m	14.40	1,149	55.5	AED	653.33	AED	52,136.00
UL01A	HIT 70W	70.00	8,120	100	AED	2,394.00	AED	277,704.00
UL01B	HIT 150W	150.00	1,500	10	AED	3,151.00	AED	31,510.00
UW01A	LED 17,3W/m	17.30	2,749	129.7	AED	1,540.80	AED	244,833.12
UW01B	LED 14,4W/m	14.40	222	15.4	AED	398.00	AED	6,129.20
UW02A	LED 29W	29.00	406	14	AED	5,218.87	AED	73,064.13
WM01A	LED 12W	12	24	2	AED	1,414.00	AED	2,828.00
					Exterior			
					Total			
			Vertica	Gardens on				
WM03A	LED 1W	1	221	221	AE	D 2,646.00	AED	584,766.00

Comparative analysis of design





Project Example

Comparing fixtures and effects for an office space

It is very important to create lighting designs which are suitable for the specific project, to ensure the long term use of the implemented design.

An optimal design is a sustainable design.









light defines
how we perceive
our world

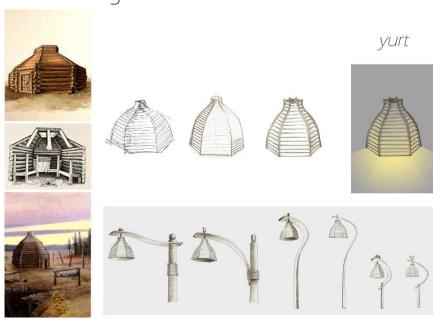
Design Components

Masterplan lighting is at a bigger scale than almost all other projects and consists primarily of two major components:

Layout Design

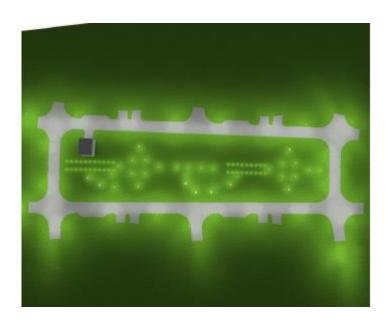


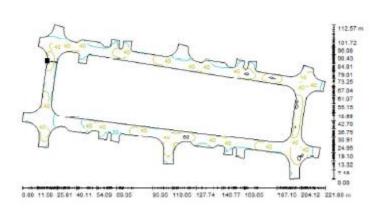
Fixture Design



Design Process

The main goal of a masterplan project for an independent lighting designer is to meet the requirements of the lighting standards of the city while providing the client with the most cost efficient and aesthetically pleasing design. To achieve this LDA employs lighting calculations.





Design Process

A huge component of lighting in a city, is how the light lets you observe your surroundings. For example, there is a stark contrast to how light can let you perceive, or not perceive, color.

Real green color can be seen.



Colors are all washed out.



Conclusion



LDA is continually looking for opportunities to improve the world through light.

We invite you to join us in this endeavor.

Thank you for your time and attention!

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