

## Project : Interior lighting design of an office in Rasht, Gilan Province In Iran , with DIALux

### 1. Project Description:

A client was interested in designing lighting for a 100 m2 Home.

Requirements:

A general, adjustable lighting.

Using LED lights with a color temperature of 3000K (Warm White) to create a relaxing atmosphere.

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### 2. Work steps:

Step 1: Consultation and information gathering

The client sent his office plan in PDF format.

We consulted with the client and identified his requirements:

Need for a general lighting system.

Desire to use sustainable and energy-efficient materials.

Step 2: Preliminary design

Using DIALux software, we imported the Home plan.

We selected the lights sources based on the client's requirements:

LED,s lighting system for general lighting.

**\*\*Downlights\*\*** on the ceiling to create a harmonious atmosphere.

Step 3: Lighting calculations

Using DIALux, we performed the lighting calculations:

Lux level: Minimum 270 lux for the public space.

Uniformity ratio: Optimization of the light uniformity ratio.

Energy consumption: Calculation of energy consumption to ensure efficiency.

Step 4: Delivery of the final design

We presented the final design to the client along with the DIALux report.

The client was satisfied with the design and proceeded to the installation stage.

### 3. Additional details:

Project duration: 3 working days.

Project cost: \$500

Software used: DIALux 4.13.

Pictures :



