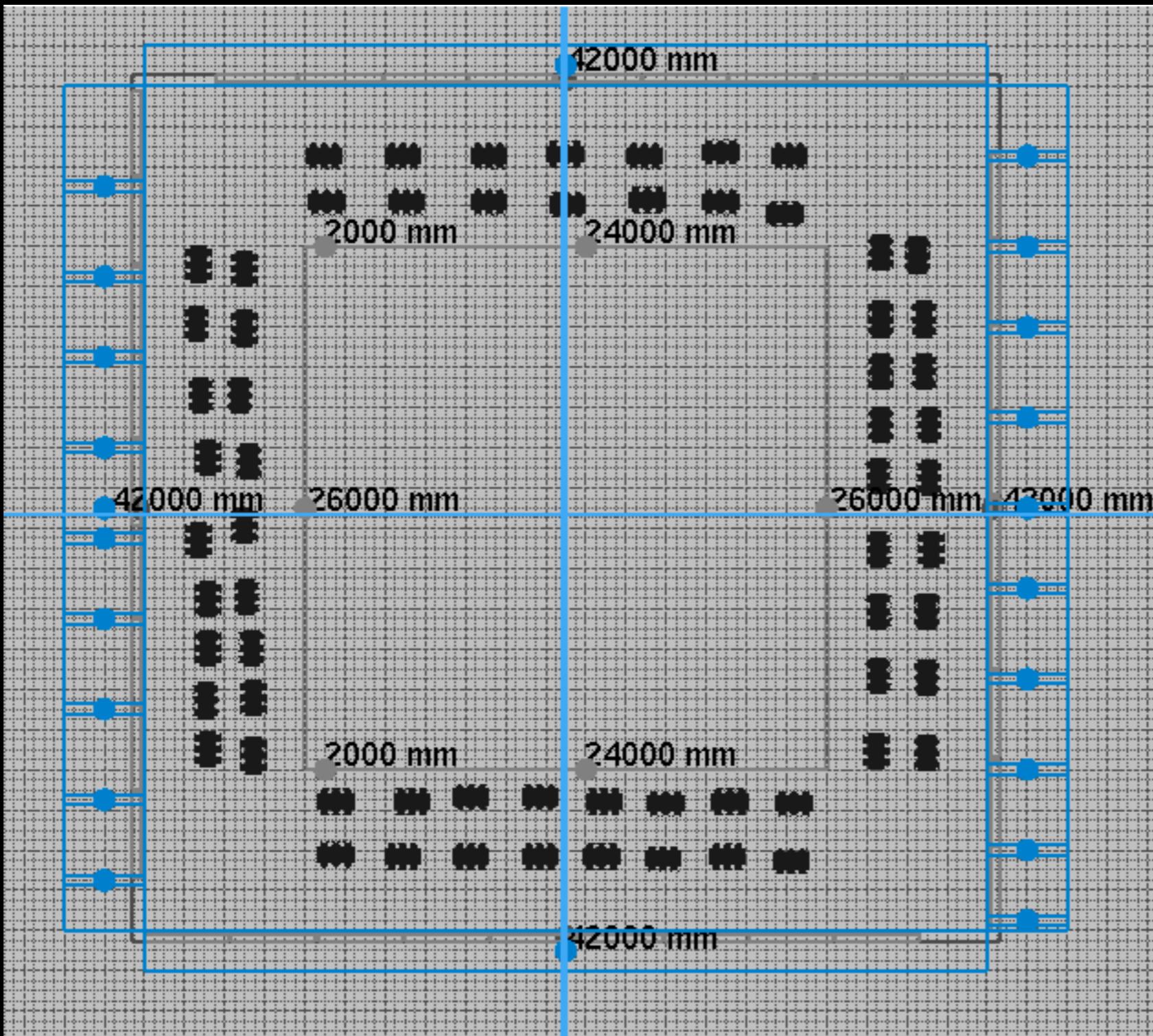




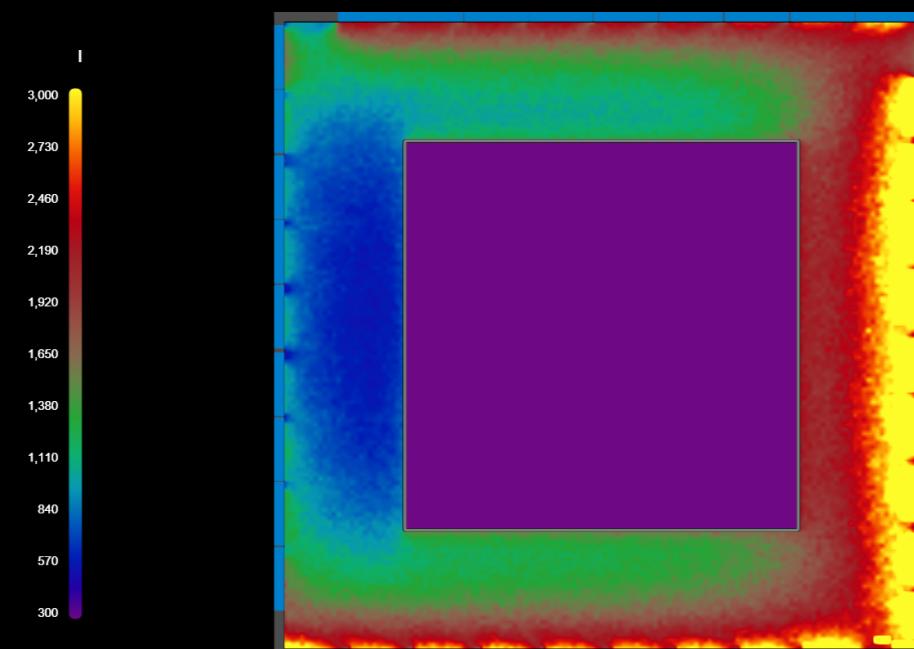
Pannawat Srimode

6538062025

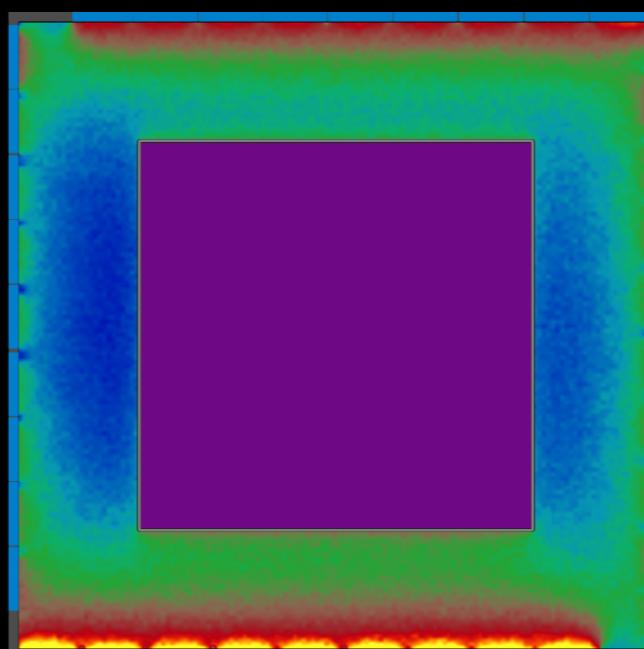


- ADDITIONAL FACADE

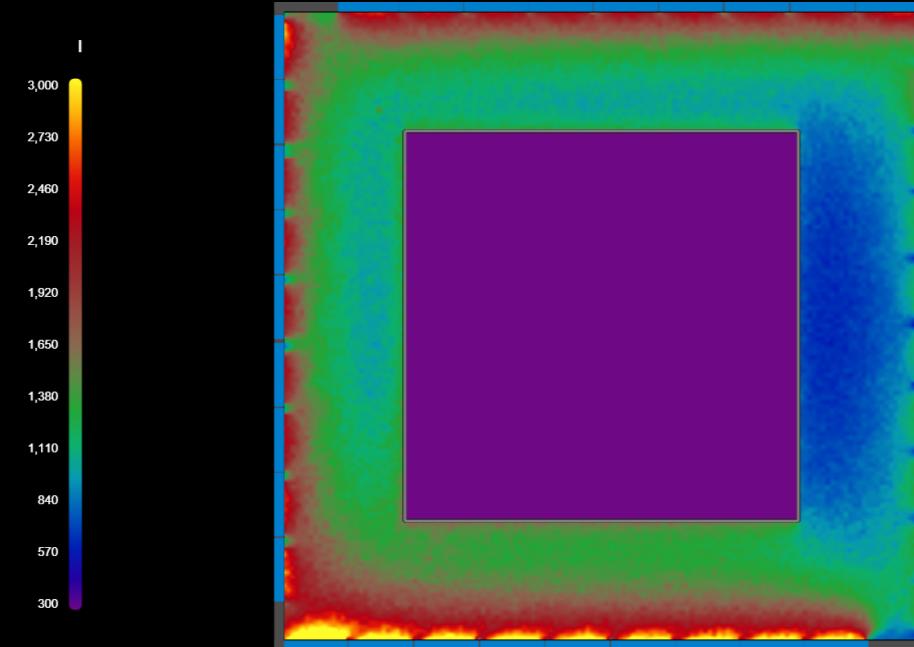
After conducting the lighting analysis, I added an external wall element to block direct sunlight from entering the office. This was done by installing vertical fins on each window on the east and west façades. Additionally, I extended the top wall above the main façade door outward—2,000 mm on the north and south sides, and 4,000 mm on the west and east sides.



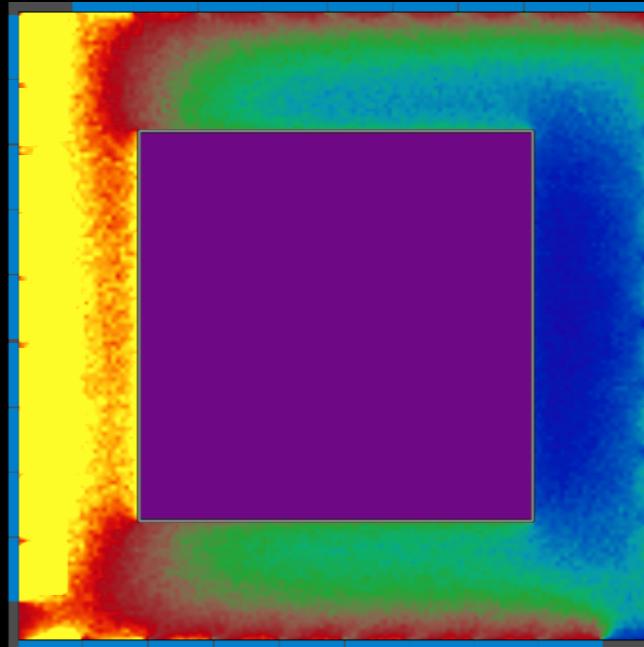
MARCH 9:00



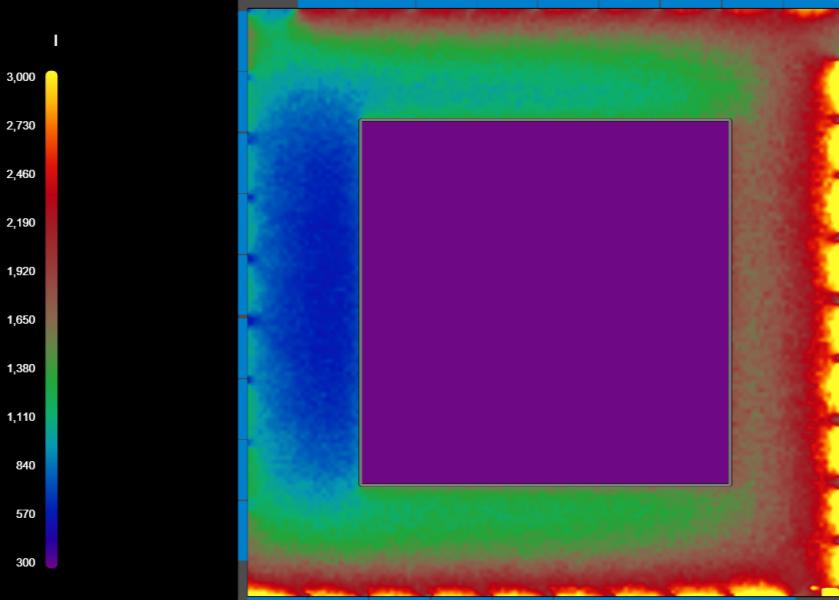
MARCH 12:00



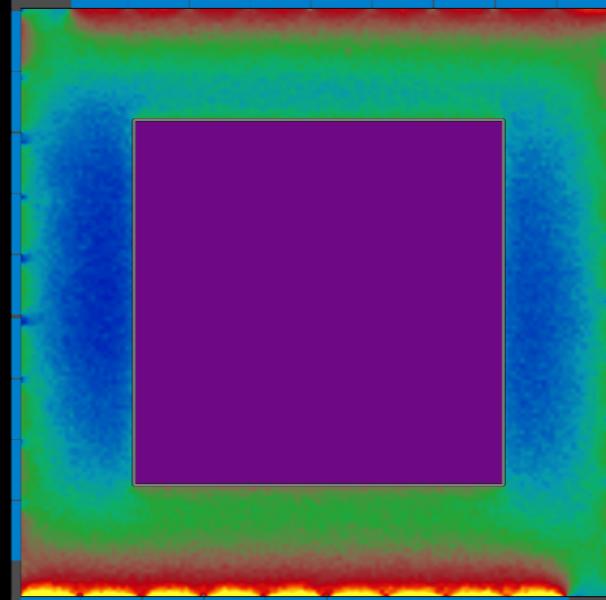
MARCH 15:00



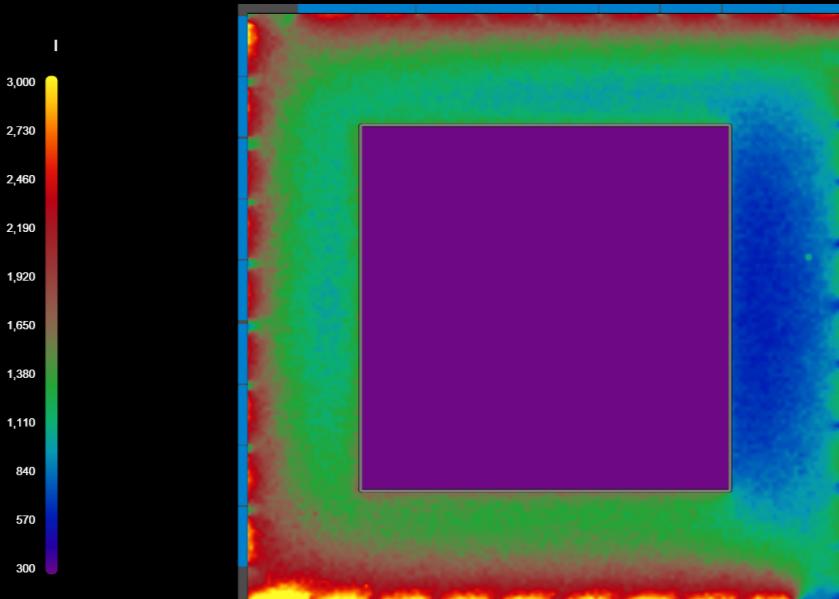
MARCH 17:00



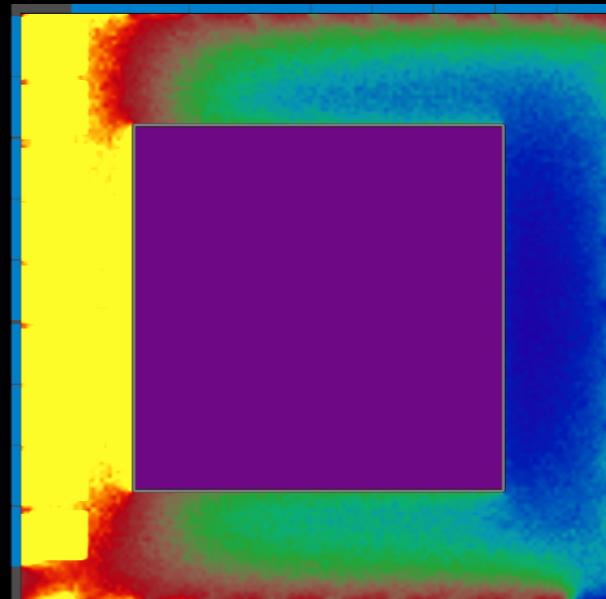
SEPTEMBER 9:00



SEPTEMBER 12:00



SEPTEMBER 15:00

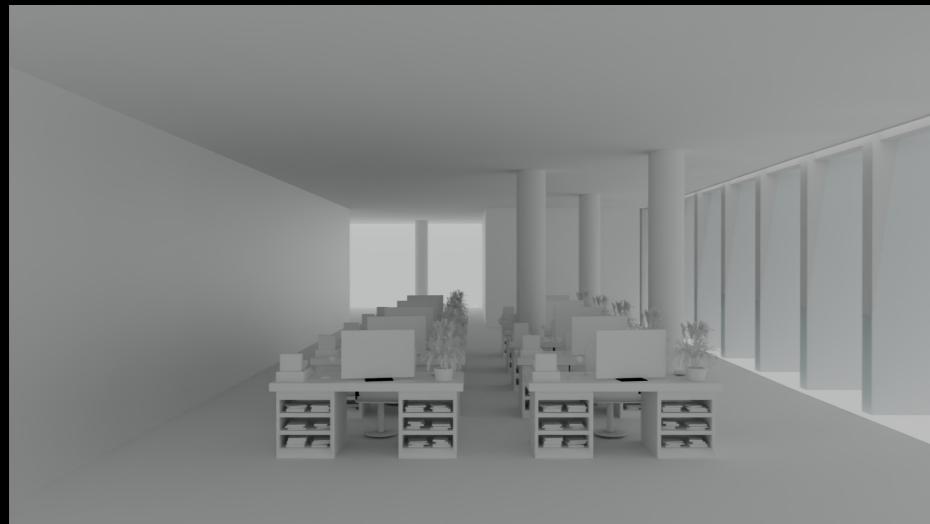


SEPTEMBER 17:00



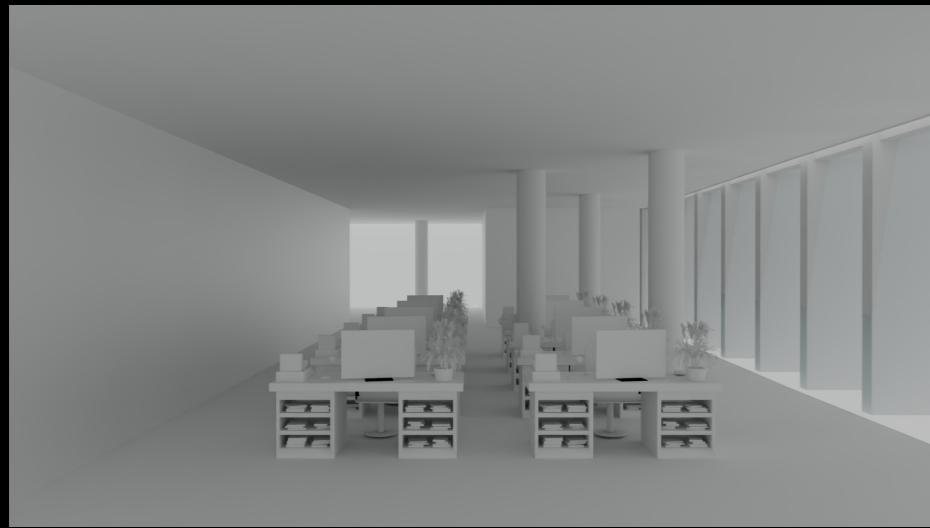
FLOOR PLAN

Before



After





Add LED hanging ceiling light



Add LED Downlight at the Corridor



Zone 1



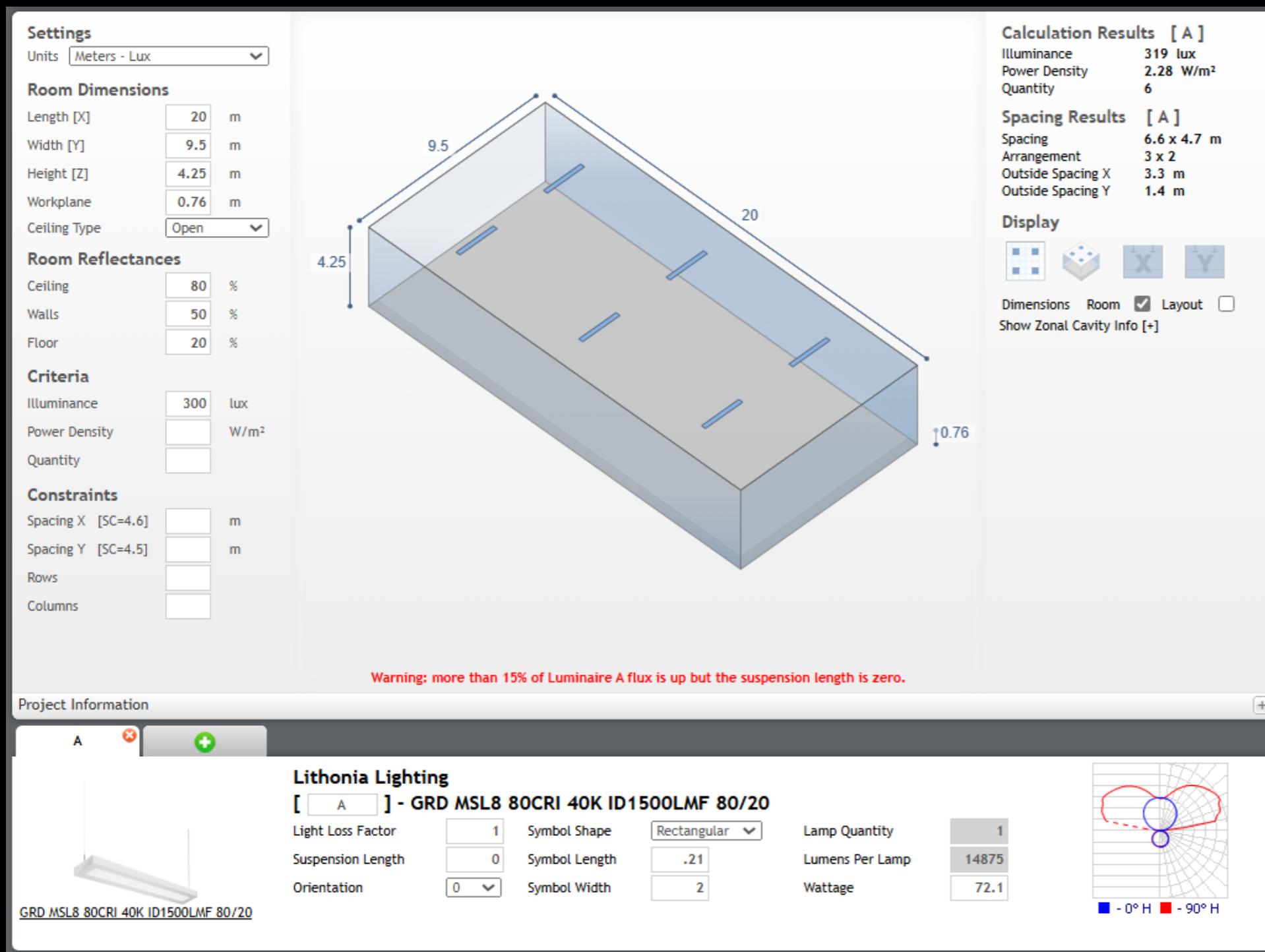
Zone 2



Zone 3



Zone 1



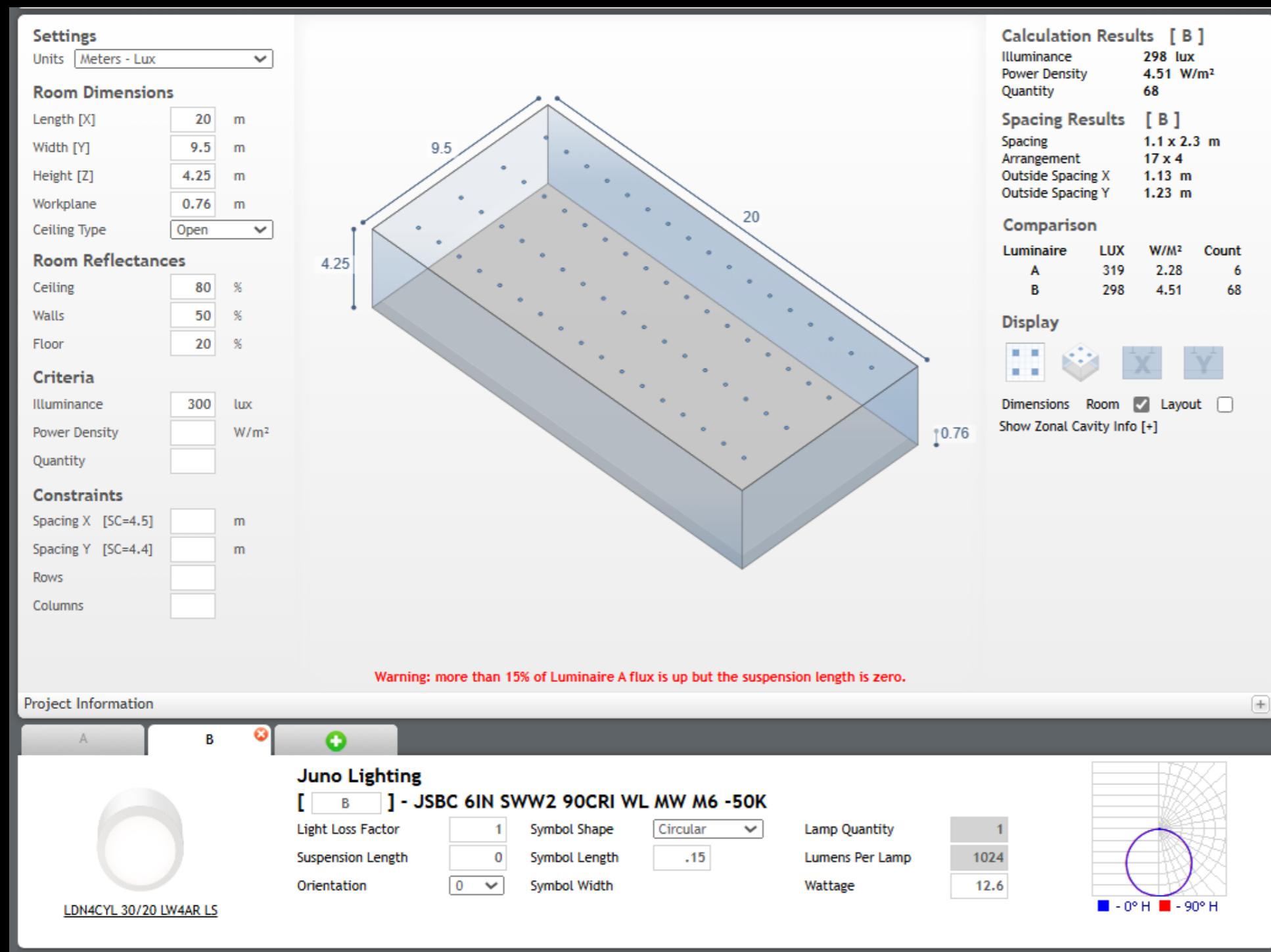
References



Goals

Ensure consistent, glare-free lighting that enhances visual comfort and boosts productivity. Optimize natural daylight while reducing shadows and harsh contrasts to create a pleasant and efficient workspace for multiple users.

Zone 1



References



Goals

Use downlights in the main space to illuminate the walkway, providing clear guidance and visibility. Smaller downlights are placed along circulation paths to ensure a comfortable and inviting flow throughout the area.

Zone 2



Settings

Units Meters - Lux

Room Dimensions

- Length [X] 11.5 m
- Width [Y] 5.5 m
- Height [Z] 4.25 m
- Workplane 0.76 m
- Ceiling Type Open

Room Reflectances

- Ceiling 80 %
- Walls 50 %
- Floor 20 %

Criteria

- Illuminance 300 lux
- Power Density W/m²
- Quantity

Constraints

- Spacing X [SC=4.5] m
- Spacing Y [SC=4.6] m
- Rows
- Columns

Calculation Results [A]

- Illuminance 374 lux
- Power Density 3.42 W/m²
- Quantity 3

Spacing Results [A]

- Spacing 3.8 x 0 m
- Arrangement 3 x 1
- Outside Spacing X 0.95 m
- Outside Spacing Y 2.65 m

Display

- Dimensions
- Room
- Layout
- Show Zonal Cavity Info [+]

Lithonia Lighting

[A] - GRD MSL8 80CRI 40K ID1500LMF 80/20

Light Loss Factor	1	Symbol Shape	Rectangular	Lamp Quantity	1
Suspension Length	0	Symbol Length	.21	Lumens Per Lamp	14875
Orientation	90	Symbol Width	2	Wattage	72.1

GRD MSL8 80CRI 40K ID1500LMF 80/20

Warning: more than 15% of Luminaire A flux is up but the suspension length is zero.

Project Information

A × +

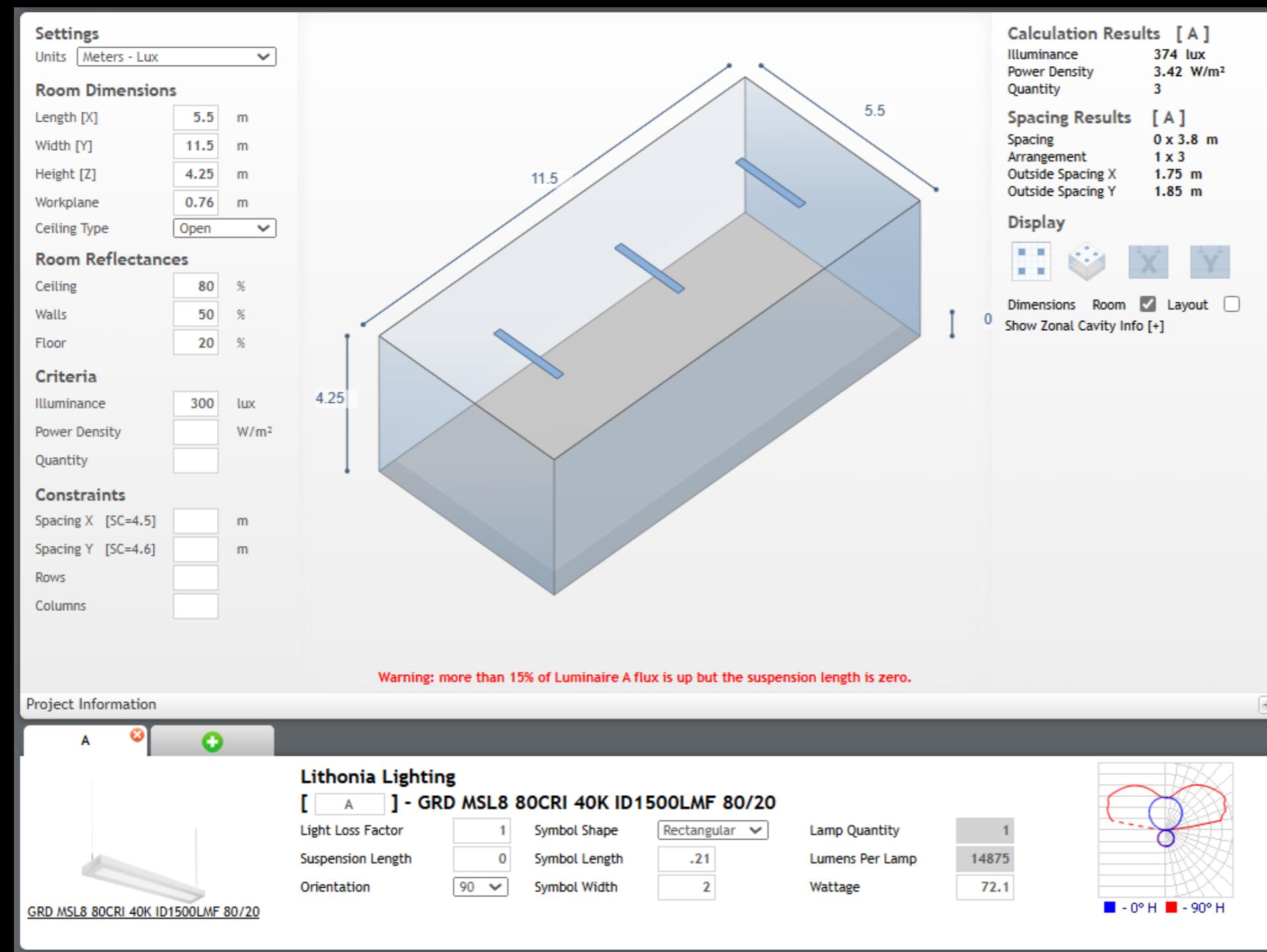
References



Goals

Emphasize comfort and user control, enabling individuals to adjust brightness levels to meet their specific activities and personal preferences.

Zone 3



References



Goals

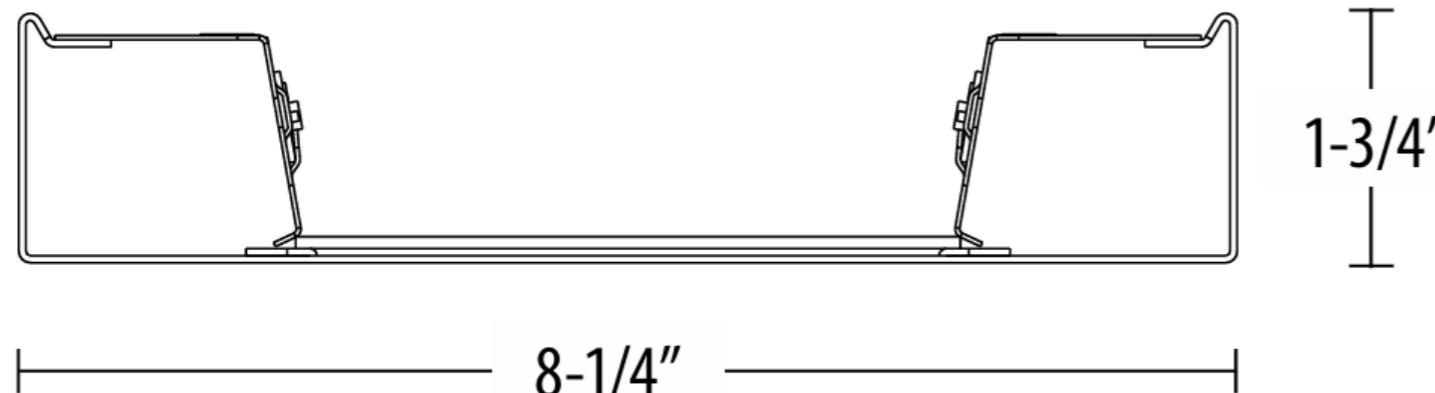
Design adaptable lighting environments that facilitate collaboration, presentations, and conversations. Include dimmable lights and task-specific fixtures to accommodate different meeting styles and media requirements.

Hanging Light

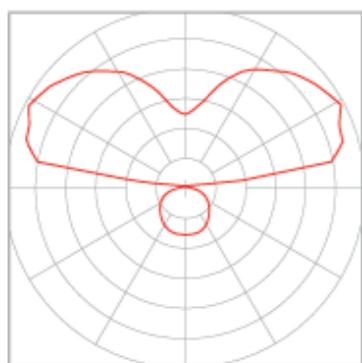
Lithonia Lighting
GRD MSL8 80CRI 40K ID1500LMF 80/20

DIMENSIONS

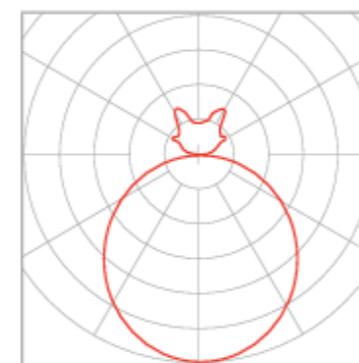
All dimensions are inches (centimeters) unless otherwise specified.



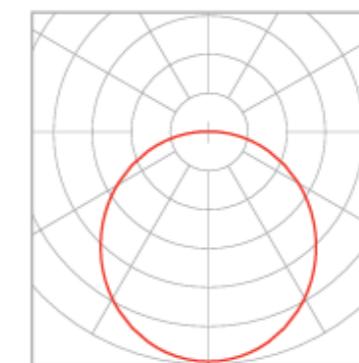
PHOTOMETRICS



ID800LMF 80/20 80CRI 35K
137 lm/W
3401 delivered lumens per 4' section



ID800LMF 20/80 80CRI 35K
105 lm/W
2621 delivered lumens per 4' section



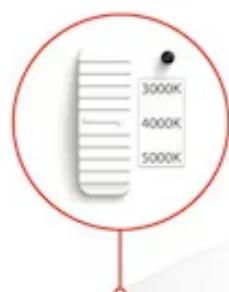
ID800LMF 0/100 80CRI 35K
94 lm/W
2335 delivered lumens per 4' section

Downlight

Juno JSBC Matte White 6-in 1000-Lumens Switchable white Round Dimmable LED Canless Wet rated Recessed Downlight

Features

SlimBasics™ JSBC 6in Surface Mount Downlight



Switchable Color Temperatures
Toggle switch on back of fixture to choose between 30K (Warm White), 40K (Cool White), or 50K (Daylight).



Easy Install
Quick mount bracket provides easy twist turn locking of fully assembled fixture into junction box.



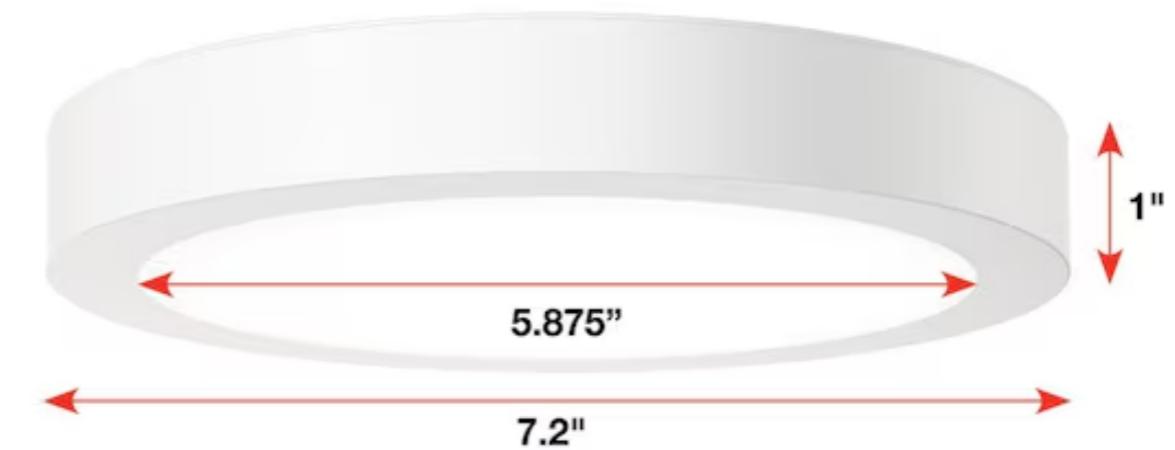
Clean, Modern Design
Unobtrusive, low-profile housing to blend into any space.

Wet Location Listed

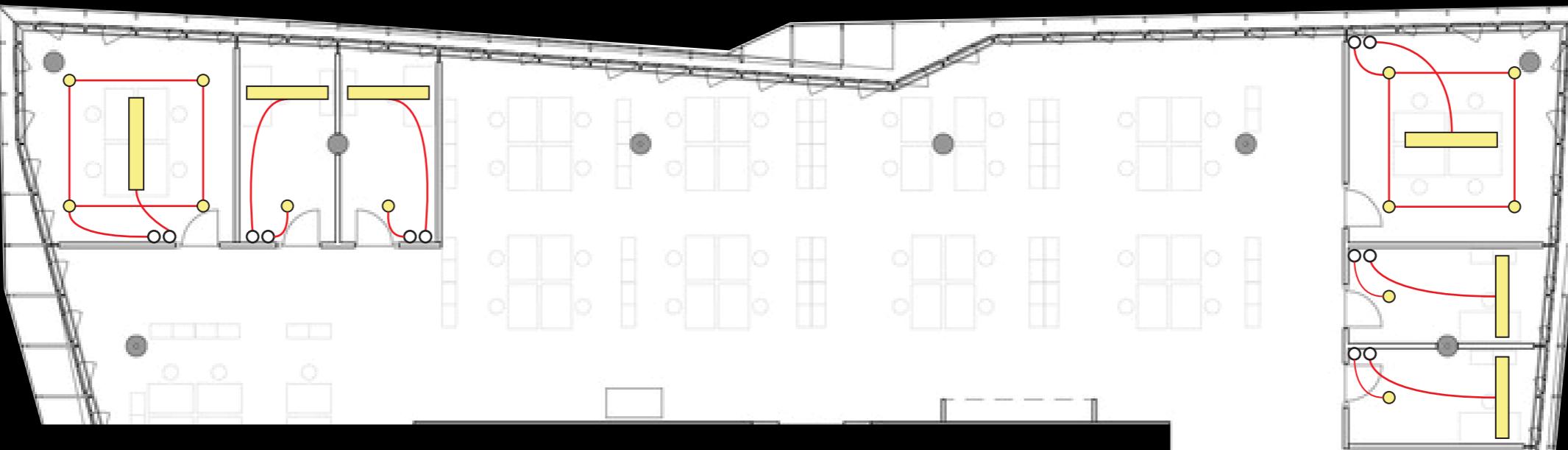
Perfect for use in bathrooms, laundry rooms, kitchens, etc in both single & multi-family homes.

juno®

SlimBasics™ JSBC 6in Surface Mount Downlight



juno®



LIGHTING PLAN WITH CABLES & SWITCHES



Surface Lighting



Hallway Lighting



1 Pole Switch



Cables

