

PROJECT PRESENTATION

Odhni Sarees Pitampura, Delhi

Lighting design for a saree showroom · the full second
floor · 2025

Jainsons Lights · since 1978

Design visual — calculated in DIALux

The project at a glance

Project card

CLIENT	Odhni Sarees, a saree showroom
LOCATION	Pitampura, New Delhi
SCOPE	Lighting design for the full second floor: the showroom, change rooms, display counter and show window
YEAR	2025
OUR ROLE	The interior designer had already drawn a lighting layout. We tested it in DIALux, fixed it, and set the aim of every spotlight before anything went into the ceiling.
LIGHTS	Eliante recessed downlights, track spots and pull-out downlights; 3000 K, CRI 97

3000 K

One warm white on every light

CRI 97

So fabric colours read true on the rack, on the customer and in the mirror

1,278–
1,934 lx

Average light on the saree rack faces

514 lx

On the walkway: calm and very even (Uo 0.86)

3,327 lx

Average on the display counter, the brightest of all the calculated areas

17

Surfaces calculated: rack faces, display areas, the counter, the walkway and the change room

All values in this document are calculated in DIALux (report of 25 October 2025), with a maintenance factor of 0.80.

The brief: test the layout before the ceiling

Odhni Sarees came to us with their second-floor showroom and a lighting layout already drawn by their interior designer. Our job was to test that layout in DIALux before a single light went into the ceiling.

1 Fix the light levels

Check the lux on every rack, display surface and walkway, and correct what falls short.

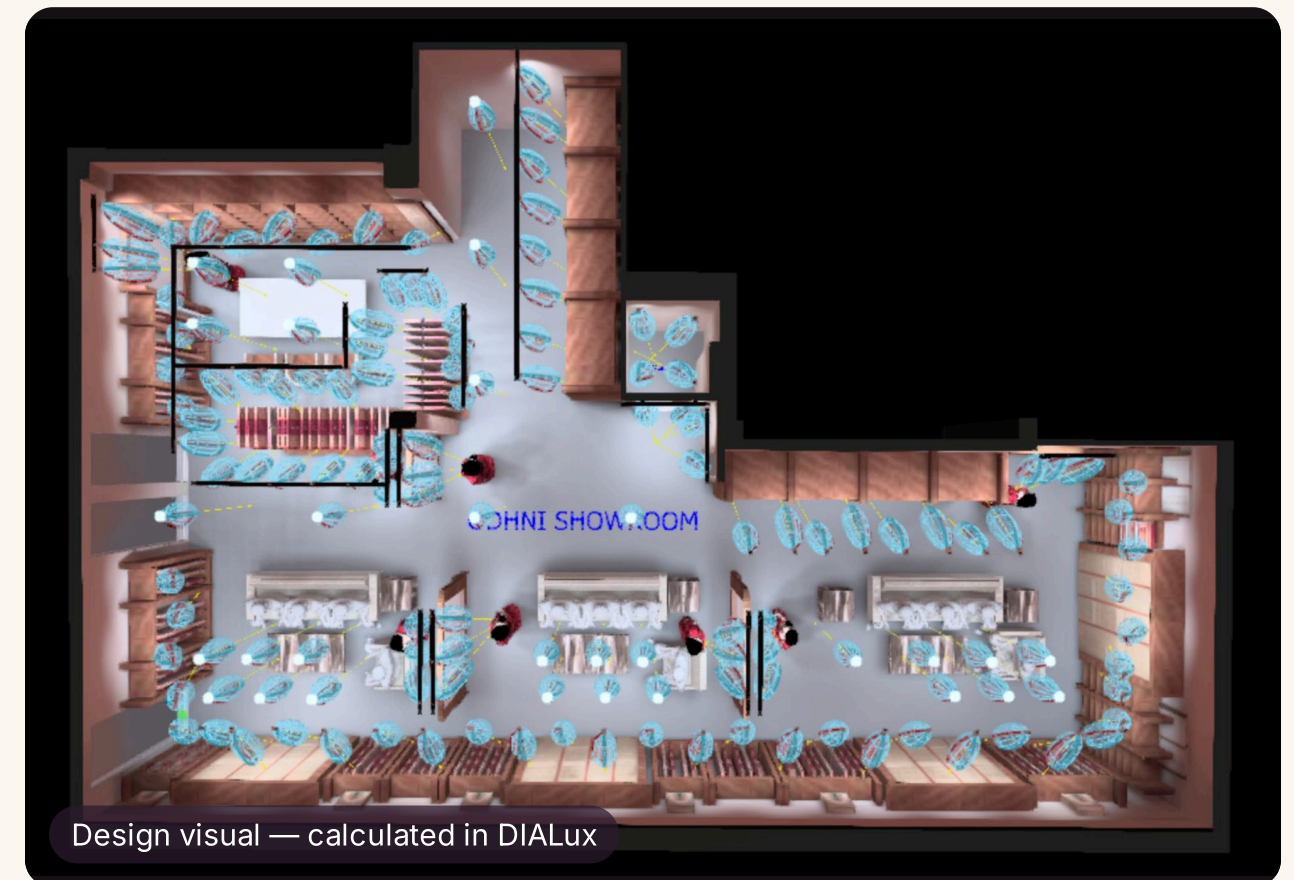
2 Remove the dark spots

Find every dark patch in the draft and fix it on paper, before any light is bought.

3 Aim every spotlight

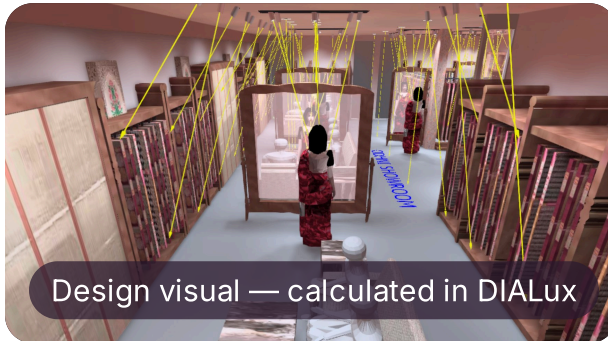
Give the installation team the exact aim of each light, so nothing is guessed on site.

In the model: a 105.63 m² sales floor · lights at about 3 m · the change room calculated on its own



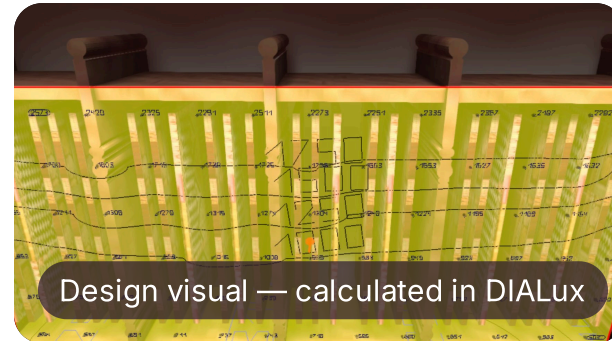
The second floor from above, with the ceiling removed: saree racks line the walls, with display seating in the middle.

How we approached it



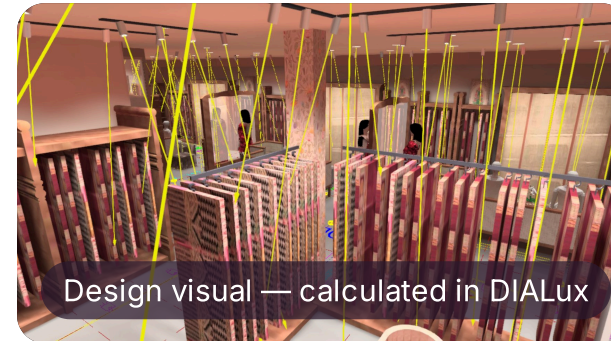
1 Model the floor in 3D

The racks, display seating, counter, mirrors and change rooms, built in DIALux.



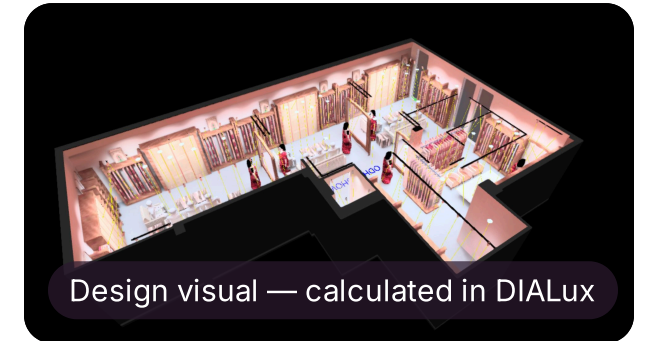
2 Calculate light on the product

Light on the face of every rack and on every display surface, not just on the floor.



3 Aim every spotlight

Each track spot aimed at its rack in the software, with the aim recorded for the site team.



4 Review it in 3D

The client saw the floor in 3D before the lights were bought.

Every value uses a maintenance factor of 0.80, so it already allows for light lost to age and dust.

The ideas behind the design

Contrast

The draft layout leaned on soft light everywhere: plenty of light, but not enough contrast. We re-balanced it. The walkway stays calm, and the light goes onto the sarees.

One warm, true white

3000 K and CRI 97 on every light, so fabric colours read true on the rack, on the customer and in the trial-room mirror.

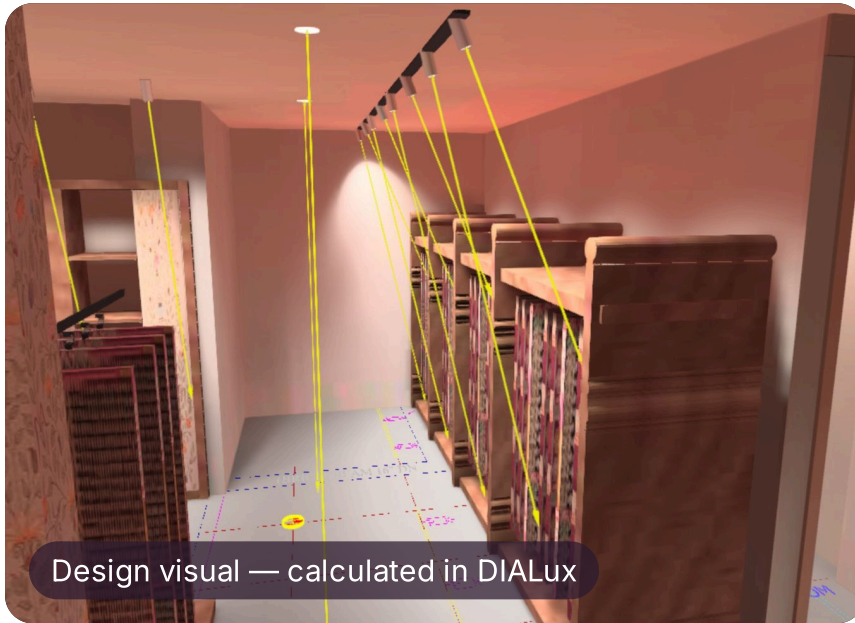
Light on the rack face

A saree is chosen on the rack, face on. So we calculated the light on the face of every rack, not only on the floor.



Saree racks, display seating and mirrors on the second floor. Yellow lines show where each spot is aimed.

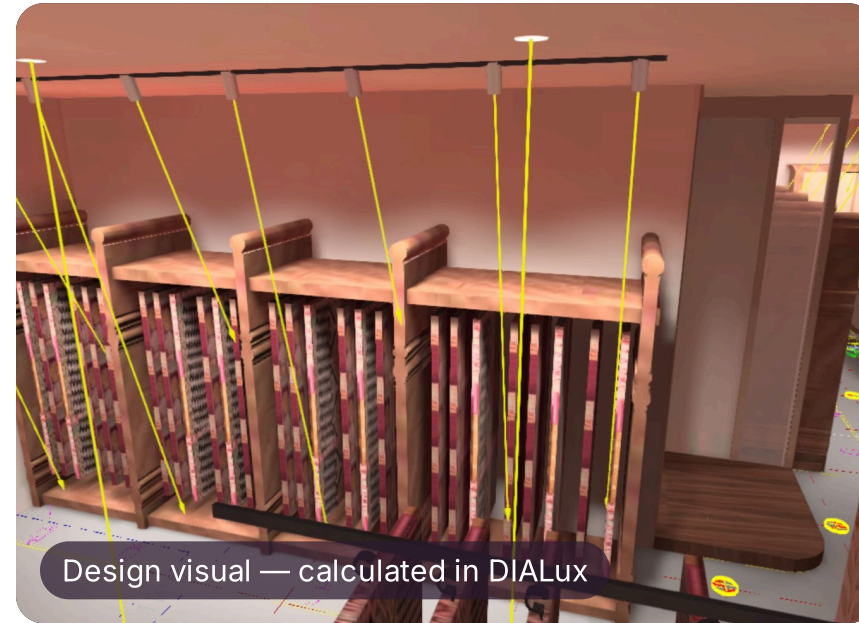
Three layers of light



1 · BASE

Recessed downlights

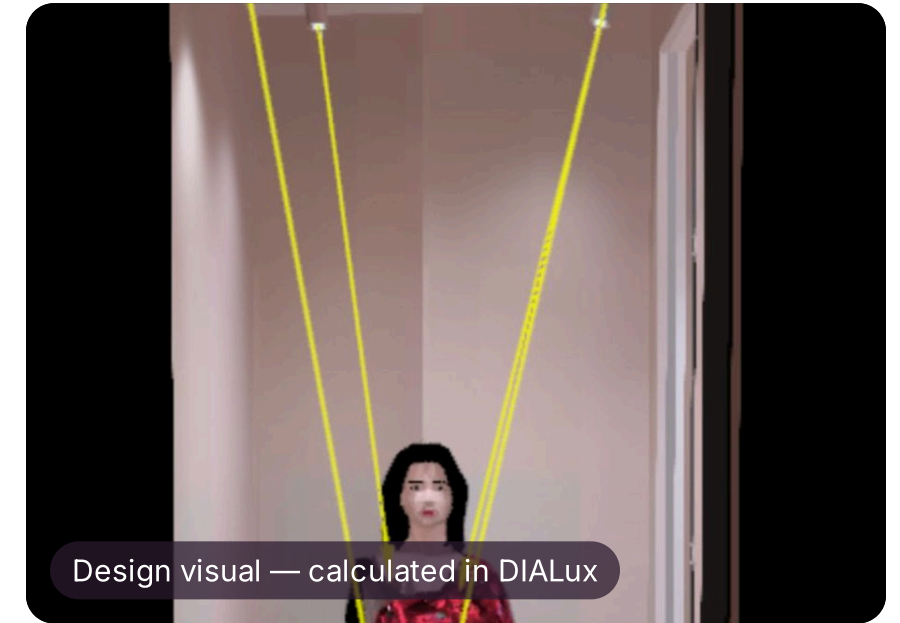
A calm base across the general floor and the walkway, 36° beam: enough to walk through comfortably, not so much that it washes out the contrast.



2 · PRODUCT

Track spots on every rack

36° beam, aimed rack by rack, to put light on the face of the sarees.



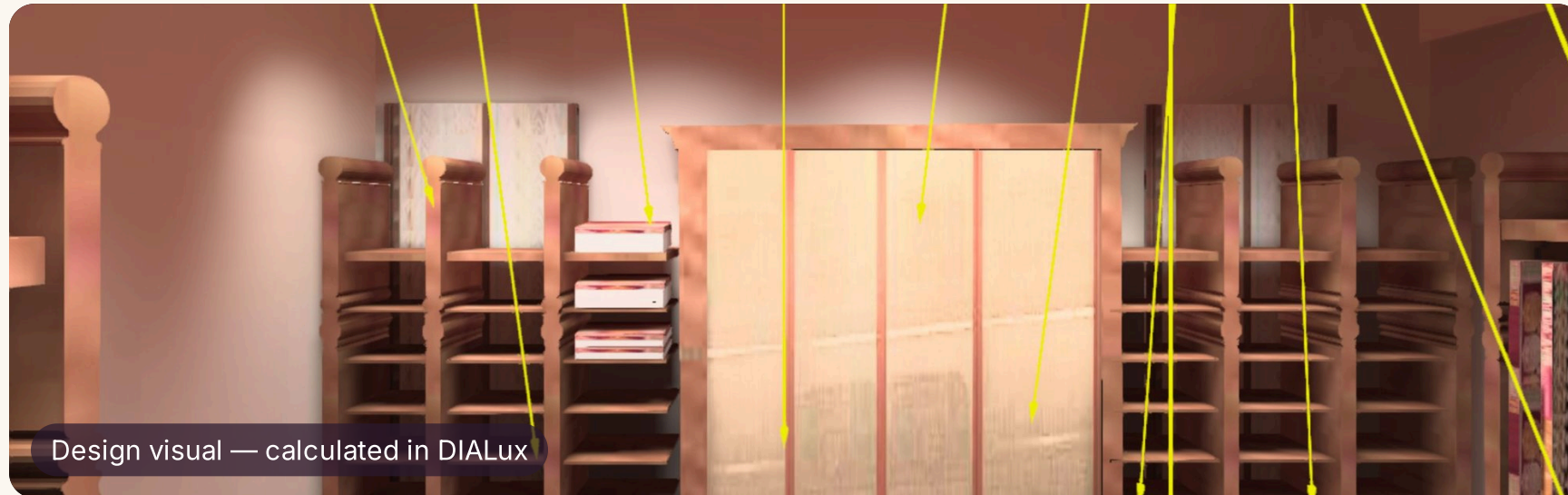
3 · TRIAL ROOMS

Pull-out downlights

Re-aimable, so the light can be pointed to flatter the mirror view, not the back of the customer's head.

Every light: Eliante, 3000 K, CRI 97.

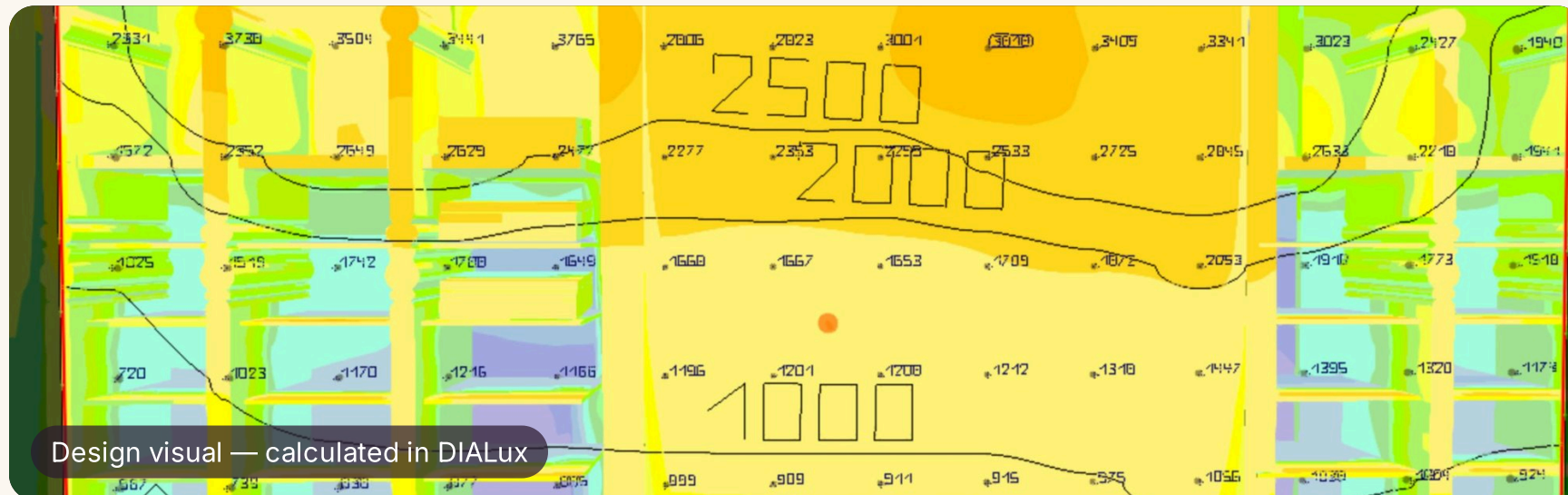
Light on every saree rack



In a saree store, the customer looks at the rack face. So that is where we measured.

For each rack, we laid a calculation surface over its face and calculated the light falling on it, point by point.

The track spots are then aimed rack by rack, to put the light on the face of the sarees.



1,719 lx

average on the face of premium section rack 2, with its lowest point at 732 lx (calculated)

Top: the premium section. Bottom: calculated light on a premium-section rack face. Each number is lux at that point; the lines join points of equal lux.

Rack by rack: calculated results

Rack	Average (lx)	Lowest point (lx)	Uniformity (Uo)
Premium section, rack 1	1,353	686	0.51
Premium section, rack 2	1,719	732	0.43
Show-window display rack	1,807	322	0.18
Display counter, rack 1	1,934	973	0.50
Near the display counter, rack 3	1,278	760	0.59
Near the display counter, rack 4	1,372	837	0.61
By the open floor, rack 1	1,481	845	0.57
By the open floor, rack 2	1,510	889	0.59
Rack by the change room	1,493	762	0.51
Wall rack, toilet side	1,749	931	0.53
Wall rack, pantry side	1,523	848	0.56

Calculated on the face of each rack (perpendicular illuminance), maintenance factor 0.80.

How to read it

Average: the mean light on the rack face.

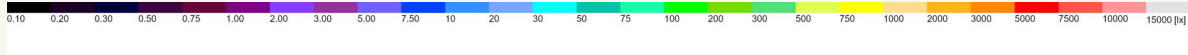
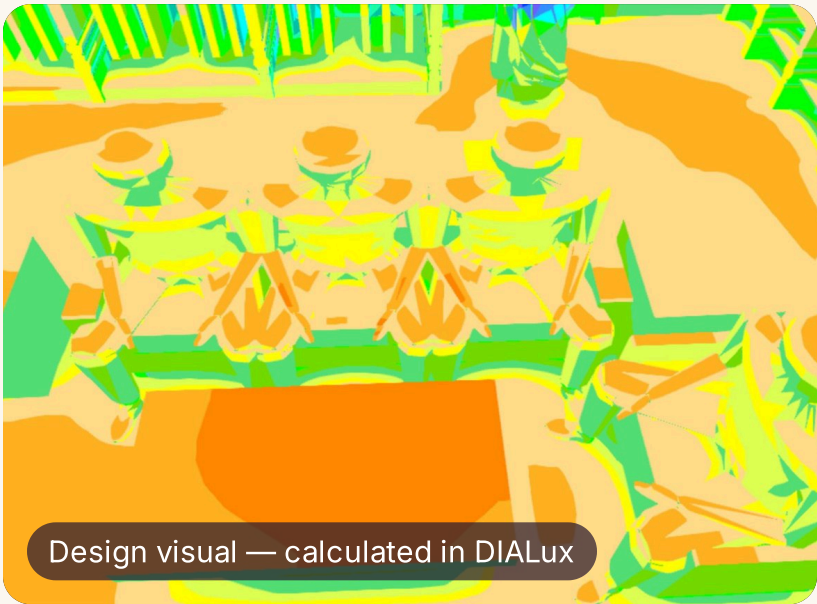
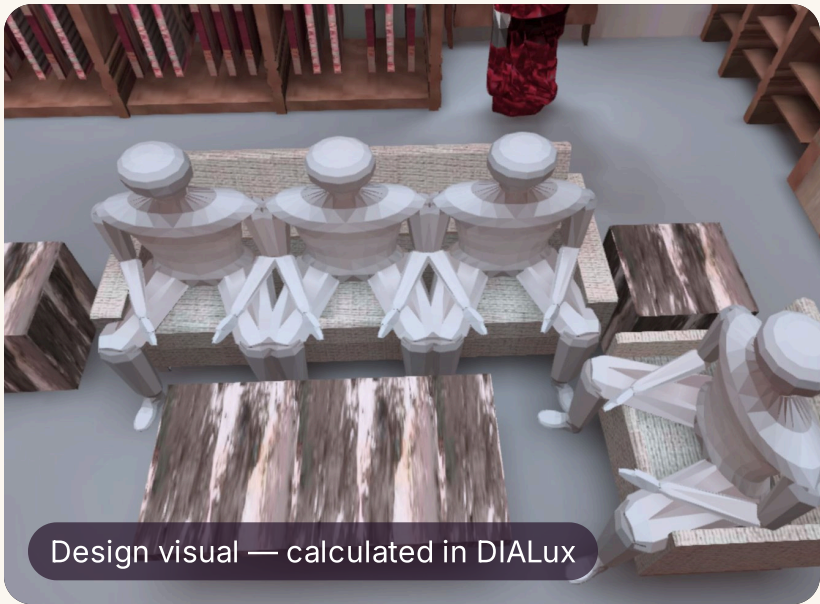
Lowest point: the darkest calculated point on it.

Uo: lowest ÷ average. The closer to 1, the more even the light.

What it shows

Every rack averages between 1,278 and 1,934 lx. All but one have their lowest point at 686 lx or more, with fairly even light (Uo 0.43–0.61). The show-window rack is the least even: lowest point 322 lx, Uo 0.18.

Display seating and the counter



Left: display seating from above. Right: the same view in false colour; the scale shows lux.

The display areas, with customer seating and display tables, and the display counter get the most light on the floor. We calculated them at table height (0.5 m) and counter height (about 0.45 m).

2,885 lx
Display area 1, average

2,945 lx
Display area 2, average

2,367 lx
Display area 3, average

3,327 lx
Display counter, average
(lowest point 1,760 lx)

Calculated averages, maintenance factor 0.80.

THE RESULTS

Contrast, in numbers

The draft leaned on soft, even light everywhere. We turned that around: the walkway stays calm and even, and the light goes where the sarees are.



Calculated average lux, maintenance factor 0.80.

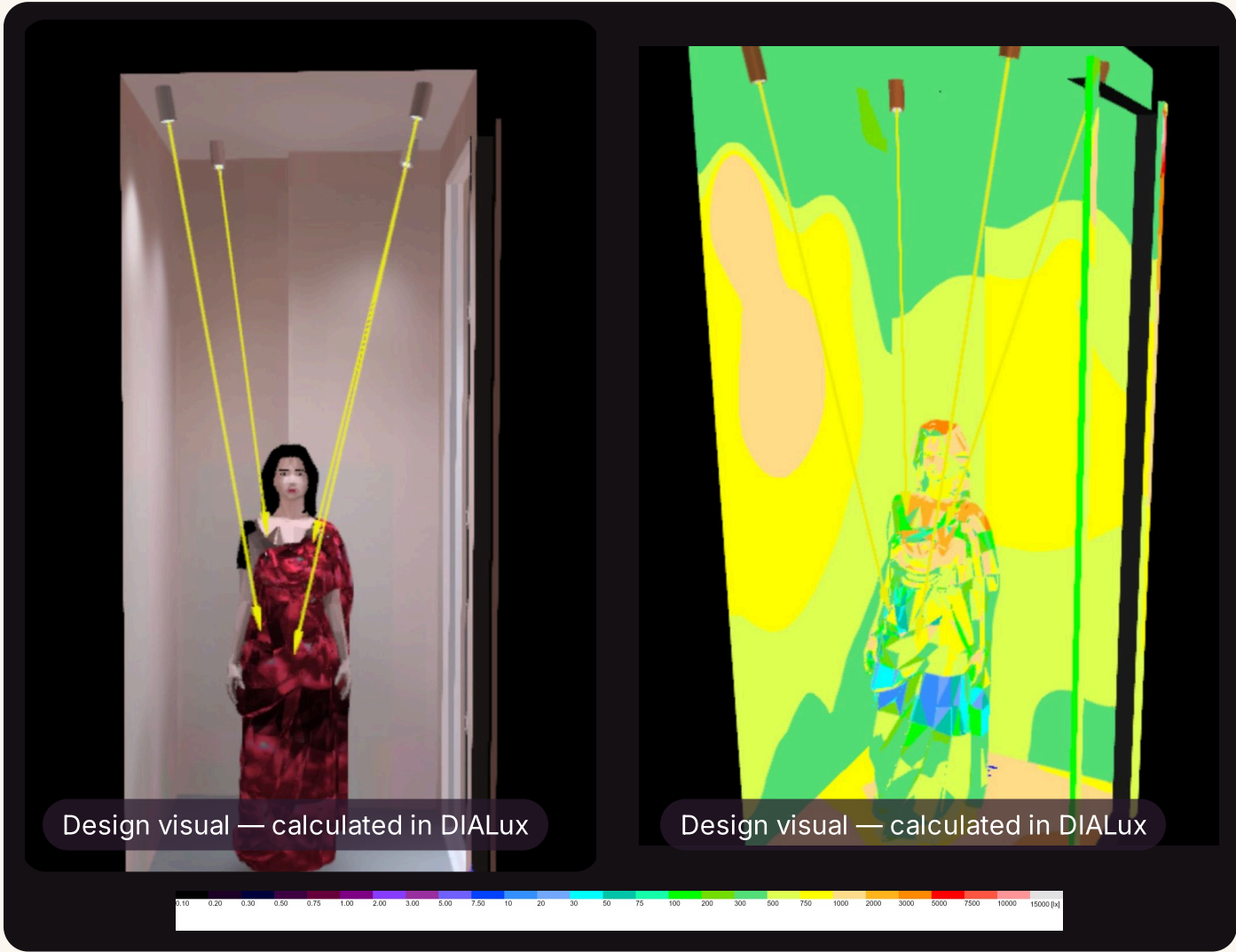
A calm walkway

514 lx on average, and very even: from 440 to 569 lx across the whole walkway (Uo 0.86). Bright enough to move through comfortably, quiet enough to let the sarees stand out.

Seen in 3D, agreed by the client

When the client saw the 3D views, they agreed: lit merchandise against a quieter floor looked better than light everywhere.

Change rooms: light the customer can aim



A trial room in the model: the design visual and the same room in false colour. Yellow lines show where each light is aimed.

In the trial rooms we used re-aimable pull-out downlights. The light can be pointed to flatter the mirror view, not the back of the customer's head.

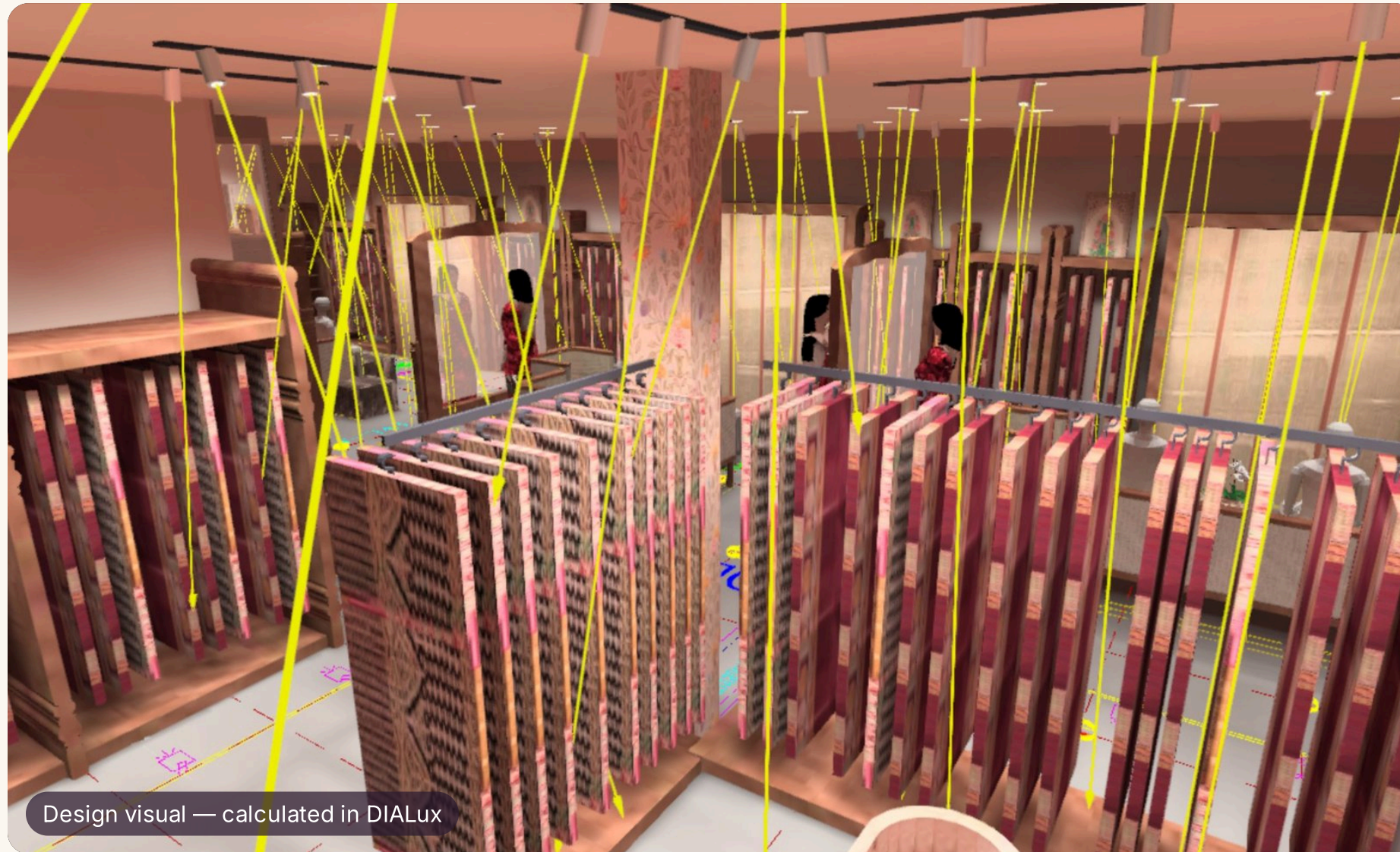
The lights are angled in towards the customer from the corners of the room.

1,981 lx

average on the change-room floor, with its lowest point at 1,080 lx (Uo 0.55, calculated)

The same 3000 K, CRI 97 light as the shop floor, so colours read true in the trial-room mirror too.

Every spotlight, aimed on paper first



Aiming view of the racks near the display counter. Each yellow line runs from a spot to the point it is aimed at.



A display area from above, with the beam of each light drawn in.

In DIALux, every track spot was aimed at its own rack, one rack at a time.

Every aiming angle went into the drawings, so the installation team did not have to guess on site.

What the 3D review changed



Display seating with a mirror, on the second floor.

The 3D views changed the plan. Once the Odhni Sarees promoters saw the 3D views, they realised they did not need soft light from wall to wall. Lit merchandise against quieter open floor looked better, and they could use fewer lights than the first plan called for.

No dark spots left. Every dark spot in the designer's draft was caught and fixed before the lights were bought.

Nothing worked out again on site. The store team had the full design pack in hand, so nothing had to be re-engineered on site.

DELIVERED

What we delivered

- ✓ A DIALux calculation report, area by area: every rack face, the display areas, the counter, the walkway and the change room
- ✓ An AutoCAD lighting layout with the aiming direction of every light
- ✓ Aiming views for every rack and display area
- ✓ A lighting-layout PDF for the installation team
- ✓ 3D design views, reviewed with the client before the lights were bought

Planning a saree or fashion showroom?

Send us your floor plan or AutoCAD drawing and your ceiling height on WhatsApp. Our team will help you with the lighting design.

Message us on WhatsApp

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