

King's College Hospital in Jeddah - Lobby

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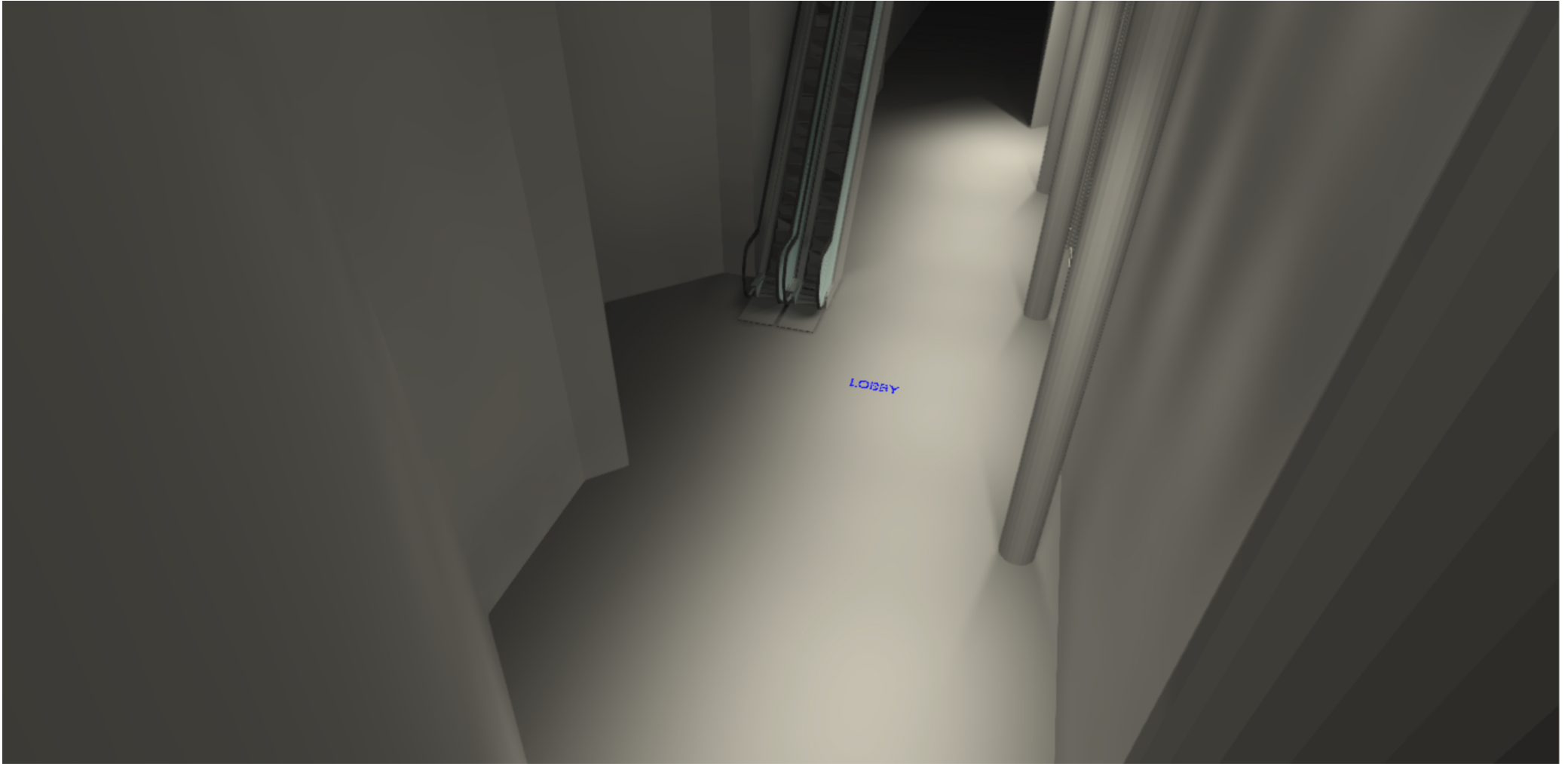
Site 1 - Building 1 - Storey 1

LOBBY

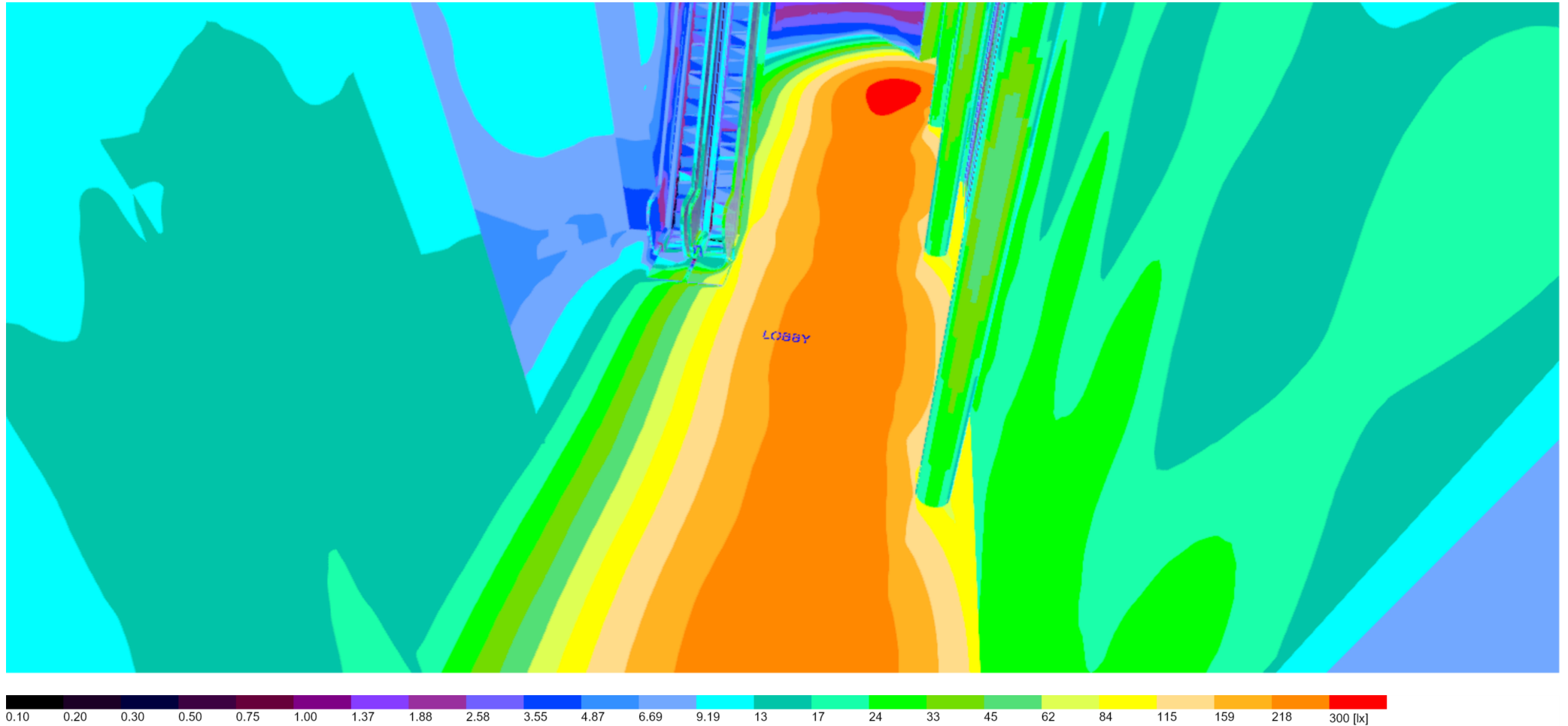
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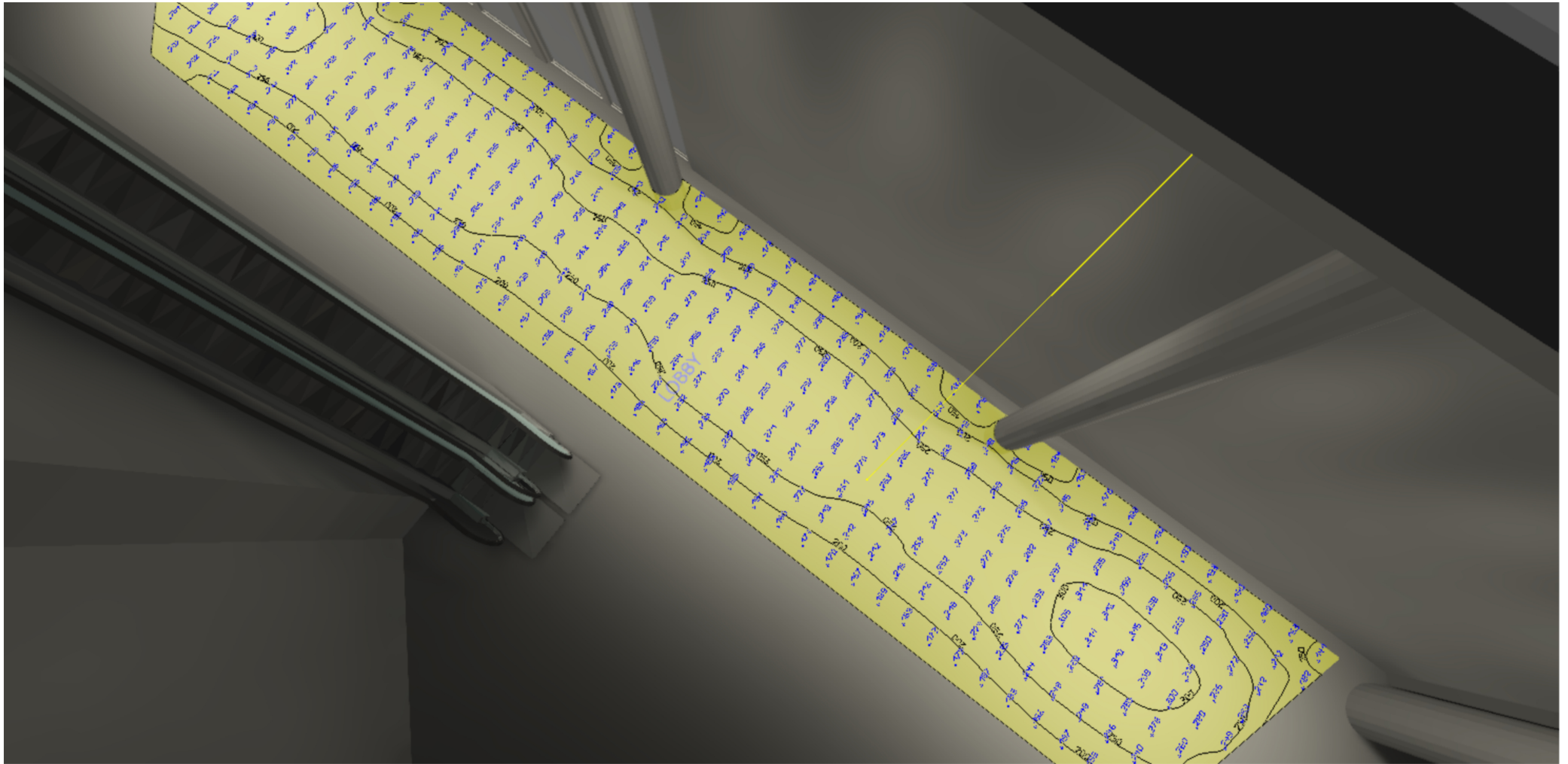
Images



Images

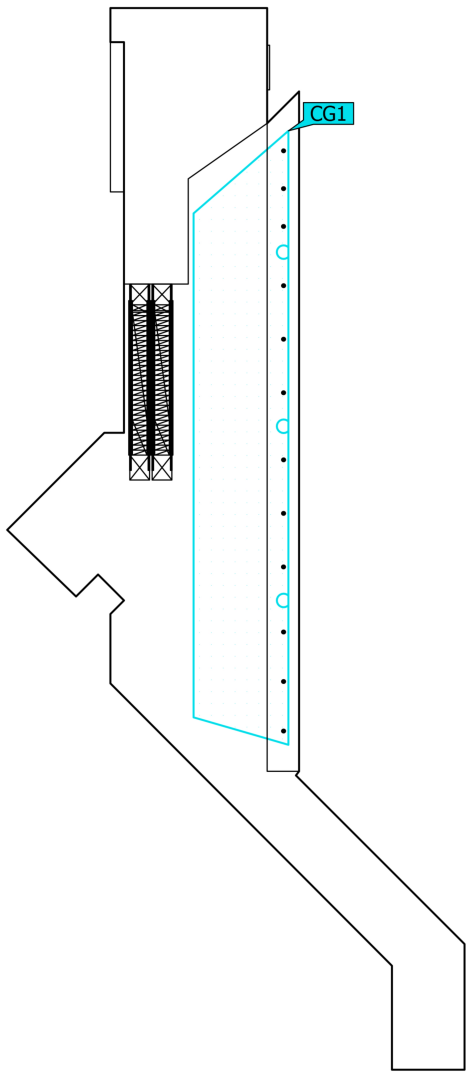


Images



Building 1 · Storey 1 · LOBBY (Light scene 1)

Summary



Ground area	444.76 m²		
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Clearance height	12.000 m
Maintenance factor	0.80 (fixed)	Mounting height	11.700 m

Building 1 · Storey 1 · LOBBY (Light scene 1)

Summary

Results

	Symbol	Calculated
Glare valuation ⁽¹⁾	$R_{UG, max}$	8
Energy estimation ⁽²⁾	Consumption	[1253.06 - 1663.20] kWh/a
Room	Lighting power density	1.51 W/m ²

(1) Based on a rectangular space of 19.555 m x 57.498 m and SHR of 0.25.

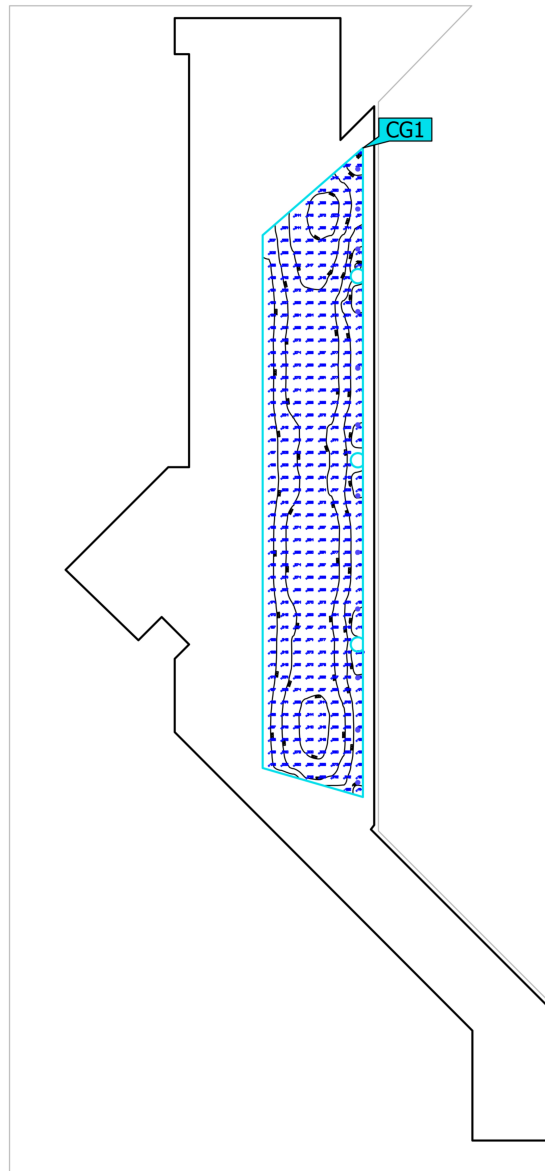
(2) Calculated using DIN:18599-4.

Luminaire list

pcs.	Manufacturer	Article No.	Article name	R_{UG}	P	Φ	Luminous efficacy
12	ERCO	73880000	Parscan Spotlight 1×LED 48.4W neutral white	7	56.0 W	5398 lm	96.4 lm/W

Building 1 · Storey 1 · LOBBY (Light scene 1)

Calculation objects



Building 1 · Storey 1 · LOBBY (Light scene 1)

Calculation objects

Calculation surfaces

Properties	\bar{E}	E_{\min}	E_{\max}	$U_o (g_1)$	g_2	Index
LOBBY Perpendicular illuminance Height: 0.800 m	246 lx	110 lx	371 lx	0.45	0.30	CG1

(1) Based on a rectangular space of 19.555 m x 57.498 m and SHR of 0.25.