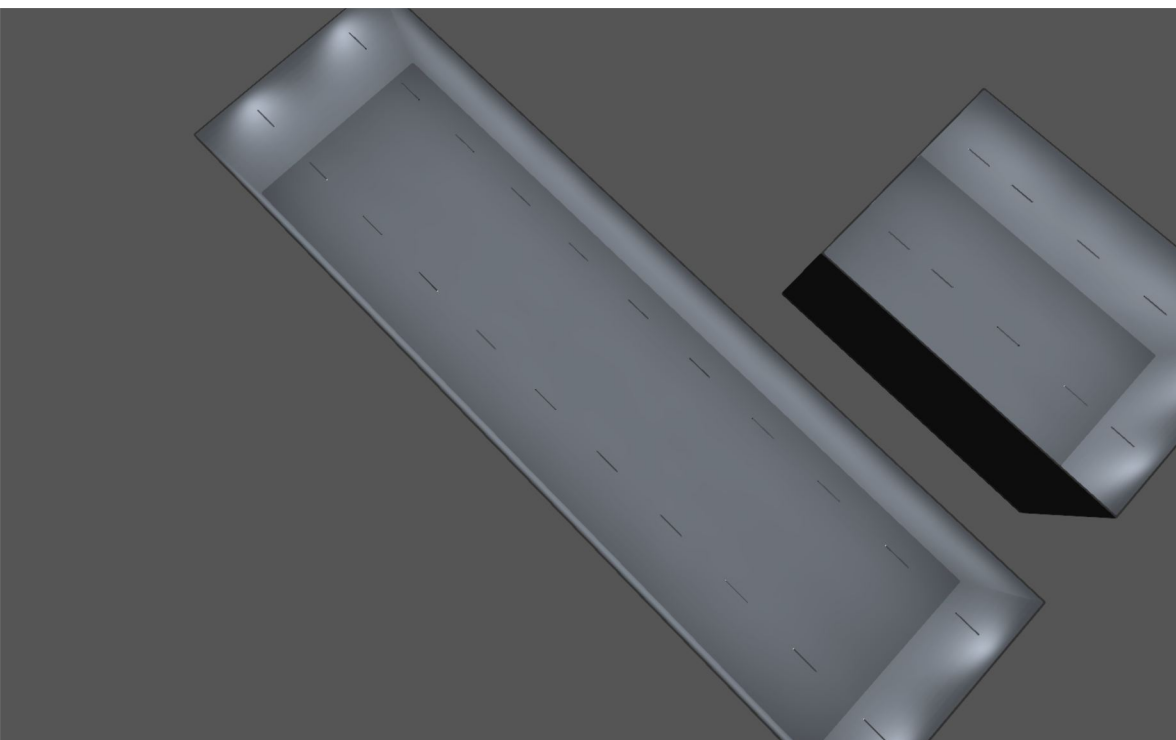
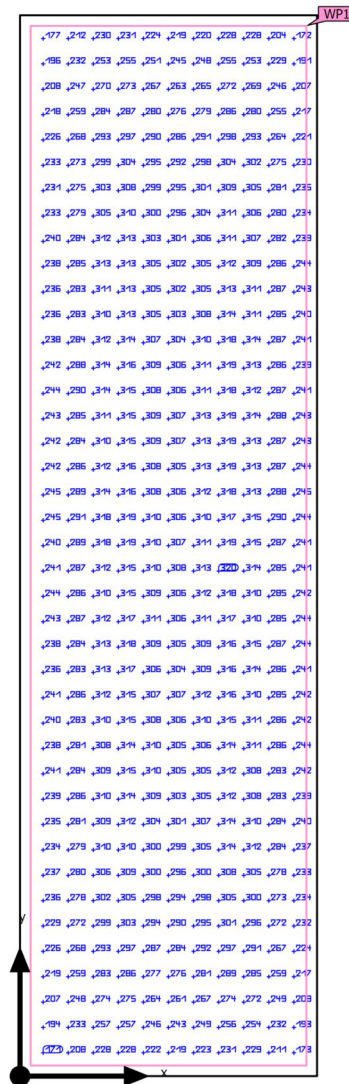




Project

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

Summary



Ground area	700.00 m ²	Clearance height	7.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	7.300 m
Maintenance factor	0.80 (fixed)	Height _{Working plane}	0.800 m
		Wall zone _{Working plane}	0.500 m

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

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	281 lx	≥ 500 lx	✗	WP1
	$U_o(g_1)$	0.56	≥ 0.60	✗	WP1
	Lighting power density	2.60 W/m ²	–		
		0.93 W/m ² /100 lx	–		
Glare valuation ⁽¹⁾	$R_{UG, \max}$	29	≤ 19	✗	
Energy estimation ⁽²⁾	Consumption	4097 kWh/a	max. 24550 kWh/a	✓	
Space	Lighting power density	2.37 W/m ²	–		
		0.84 W/m ² /100 lx	–		

(1) Based on a rectangular space of 14.000 m x 50.000 m and SHR of 0.25.

(2) Calculated using DIN:18599-4.

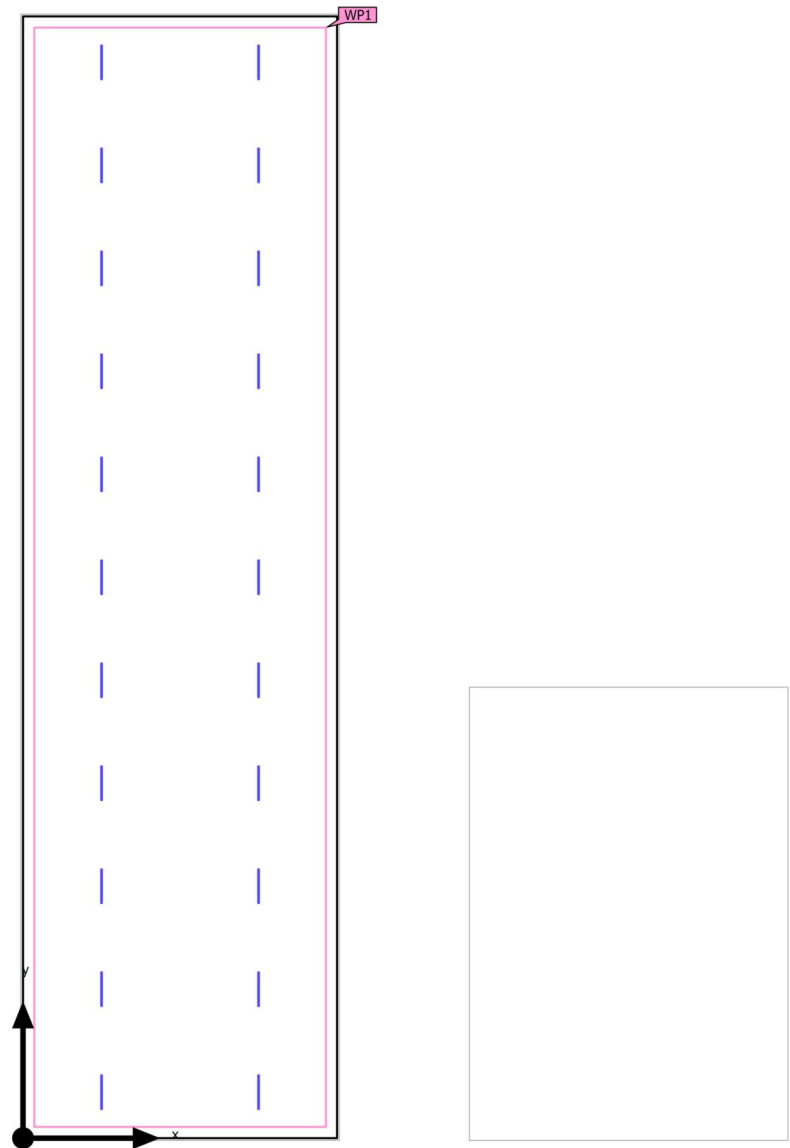
Utilisation profile: DIALux presetting (34.2 Standard (office))

Luminaire list

pcs.	Manufacturer	Article No.	Article name	R_{UG}	P	Φ	Luminous efficacy
22	Dutchfulfillment	810344-5000K	810344-5000K	29	75.3 W	12684 lm	168.6 lm/W

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

Calculation objects



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

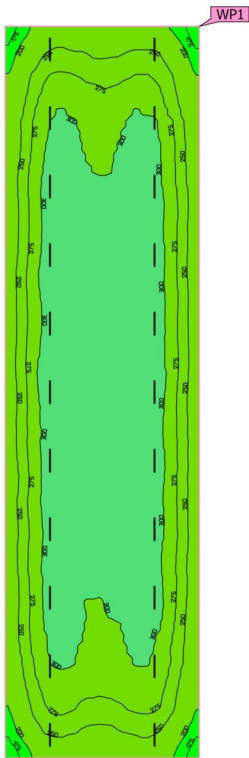
Calculation objects

Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	g_2	Index
Working plane (Room 1) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	281 lx	157 lx	323 lx	0.56	0.49	WP1

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · Room 1 (Light scene 1)
Working plane (Room 1)

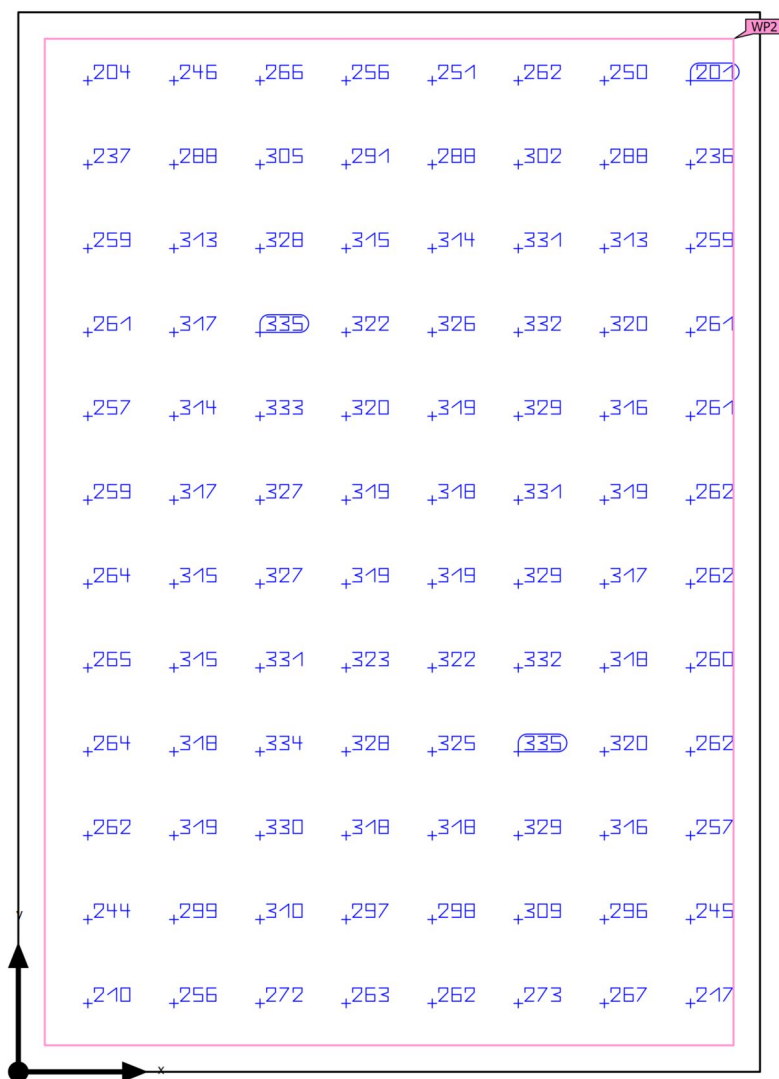


Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	g_2	Index
Working plane (Room 1) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	281 lx	157 lx	323 lx	0.56	0.49	WP1

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · Room 2 (Light scene 1)

Summary



Ground area	280.00 m ²	Clearance height	7.300 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	7.300 m
Maintenance factor	0.80 (fixed)	Height _{Working plane}	0.800 m
		Wall zone _{Working plane}	0.500 m

Building 1 · Storey 1 · Room 2 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	292 lx	≥ 500 lx	✗	WP2
	$U_o (g_1)$	0.60	≥ 0.60	✓	WP2
	Lighting power density	3.05 W/m ²	–		
		1.04 W/m ² /100 lx	–		
Glare valuation ⁽¹⁾	$R_{UG, \text{max}}$	28	≤ 19	✗	
Energy estimation ⁽²⁾	Consumption	1862 kWh/a	max. 9850 kWh/a	✓	
Space	Lighting power density	2.69 W/m ²	–		
		0.92 W/m ² /100 lx	–		

(1) Based on a rectangular space of 20.000 m x 14.000 m and SHR of 0.25.

(2) Calculated using DIN:18599-4.

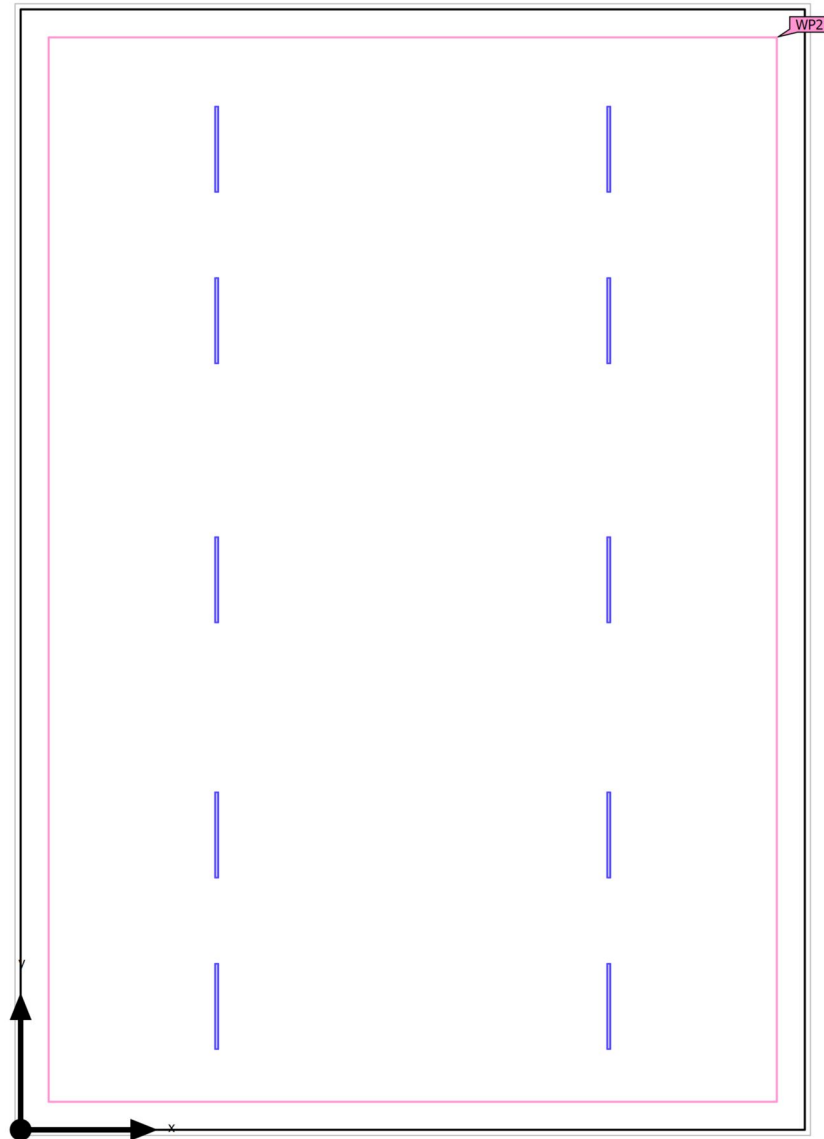
Utilisation profile: DIALux presetting (34.2 Standard (office))

Luminaire list

pcs.	Manufacturer	Article No.	Article name	R_{UG}	P	Φ	Luminous efficacy
10	Dutchfulfillment	810344-5000K	810344-5000K	28	75.3 W	12684 lm	168.6 lm/W

Building 1 · Storey 1 · Room 2 (Light scene 1)

Calculation objects



Building 1 · Storey 1 · Room 2 (Light scene 1)

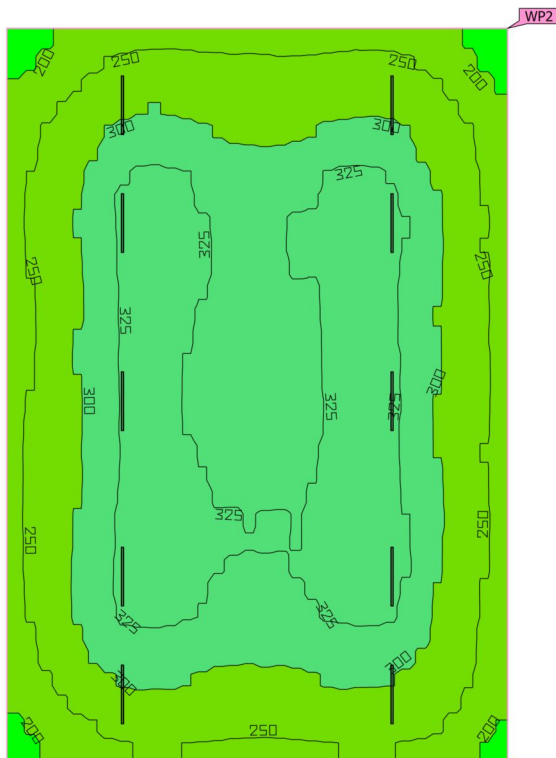
Calculation objects

Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	g_2	Index
Working plane (Room 2) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.500 m	292 lx	175 lx	340 lx	0.60	0.51	WP2

Utilisation profile: DIALux presetting (34.2 Standard (office))

Building 1 · Storey 1 · Room 2 (Light scene 1)

Working plane (Room 2)

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	g_2	Index
Working plane (Room 2)	292 lx	175 lx	340 lx	0.60	0.51	WP2
Perpendicular illuminance (adaptive)						
Height: 0.800 m, Wall zone: 0.500 m						

Utilisation profile: DIALux presetting (34.2 Standard (office))