

DU12

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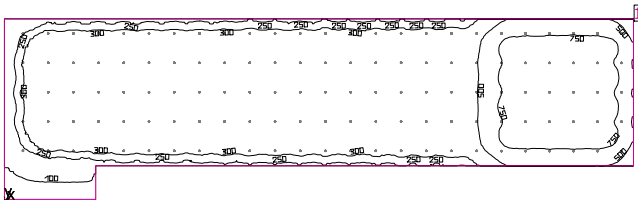
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Clearance height: 10.000 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Hala	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	442 (≥ 750)	27.4	886	0.062	0.031

Quantity	Luminaire (Luminous emittance)		
95	DIALux - UX HBay V2E 100W, 5000K, 90° Ra80 Luminous emittance 1 Fitting: 1x5000K Ra70 Light output ratio: 100% Lamp luminous flux: 14275 lm Luminaire luminous flux: 14275 lm Power: 100.9 W Luminous efficacy: 141.5 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	
30	DIALux - UX HBay V2E 200W, 5000K, 60°, Ra80 Luminous emittance 1 Fitting: 1x5000K Ra70 Light output ratio: 100.00% Lamp luminous flux: 29185 lm Luminaire luminous flux: 29184 lm Power: 197.9 W Luminous efficacy: 147.5 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	

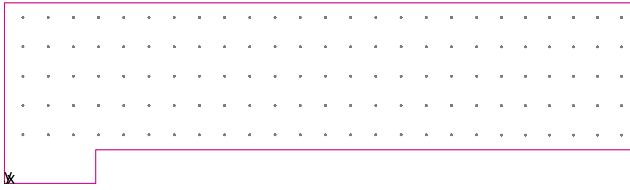
Total lamp luminous flux: 2231675 lm, Total luminaire luminous flux: 2231645 lm, Total Load: 15522.5 W, Luminous efficacy: 143.8 lm/W

Lighting power density: 3.75 W/m² = 0.85 W/m²/100 lx (Floor area of room 4141.60 m²)

Consumption: 37900 kWh/a of maximum 140000 kWh/a

The energy consumption quantities do not take into account light scenes and their dimming levels.

Hala / Perpendicular illuminance (adaptive)



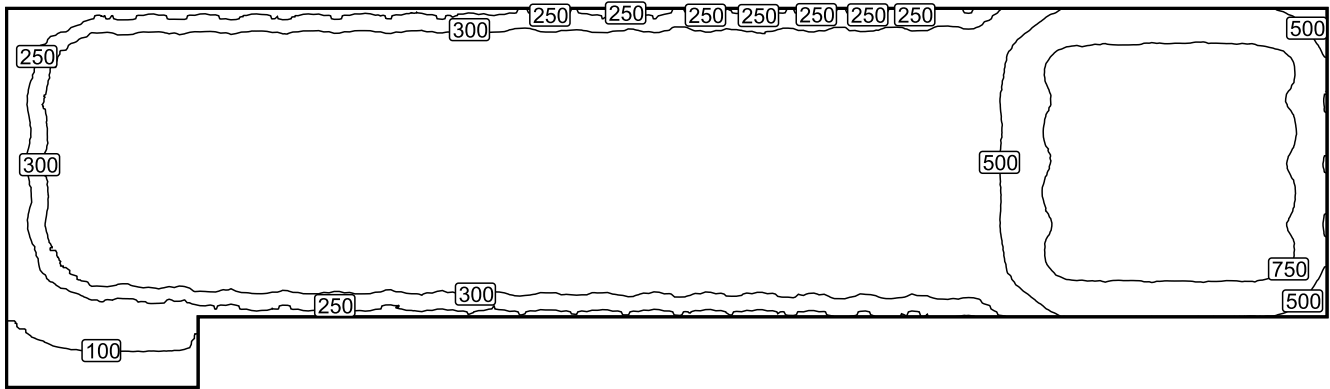
Hala: Perpendicular illuminance (adaptive) (Surface)

Light scene: Light scene 1

Average: 442 lx (Target: ≥ 750 lx), Min: 27.4 lx, Max: 886 lx, Min/average: 0.062, Min/max: 0.031

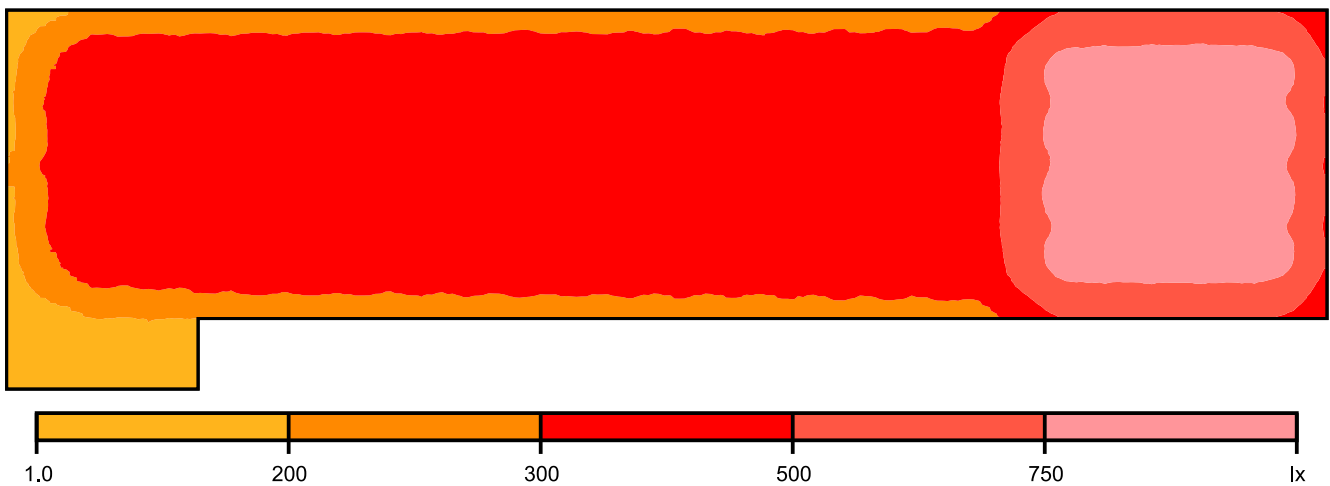
Height: 0.800 m, Wall zone: 0.000 m

Isolines [lx]



Scale: 1 : 750

False colours [lx]



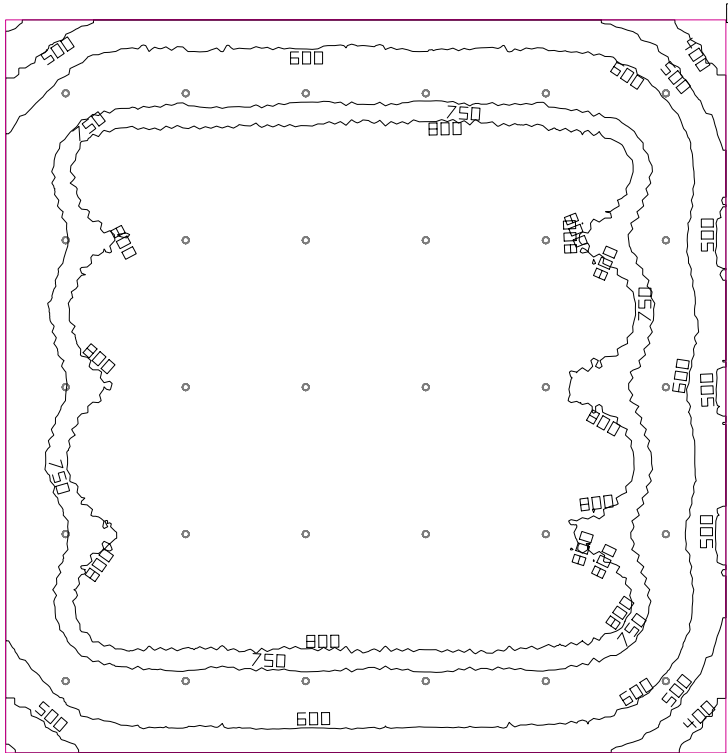
Scale: 1 : 750

Value grid [lx]

189	269	284	285	285	285	285	285	287	292	292	289	292	291	288	291	292	295	315	517	649	650	648	644	529
245	358	376	375	371	376	370	378	374	383	383	380	378	376	375	378	388	394	404	692	842	845	848	834	698
269	385	398	404	408	407	406	408	407	407	409	411	411	414	409	412	415	421	438	675	811	819	820	816	674
258	375	396	399	398	396	396	400	403	405	405	405	402	401	402	402	412	415	433	709	858	(861)	860	842	711
262	376	399	400	399	401	399	403	404	407	411	407	404	405	404	408	411	418	439	709	843	853	855	837	696
263	375	393	397	404	402	404	408	406	406	406	405	405	408	411	411	415	415	438	684	819	821	826	814	683
241	354	373	375	379	377	377	384	386	386	387	384	385	386	383	386	389	396	411	703	856	856	859	842	698
190	266	279	288	300	299	299	299	301	306	307	306	306	304	304	308	313	314	337	550	683	684	681	679	554
110	158	167	132																					
43	55	55	(41)																					

Scale: 1 : 750

Príprava povrchu a farbenie



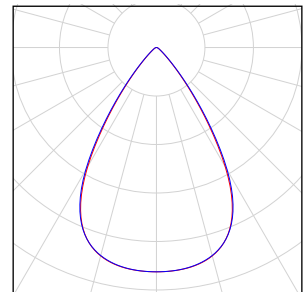
Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Sever	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	749 (≥ 500)	310	886	0.41	0.35

Quantity	Luminaire (Luminous emittance)
30	DIALux - UX HBay V2E 200W, 5000K, 60°, Ra80 Luminous emittance 1 Fitting: 1x5000K Ra70 Light output ratio: 100.00% Lamp luminous flux: 29185 lm Luminaire luminous flux: 29184 lm Power: 197.9 W Luminous efficacy: 147.5 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100

See our luminaire catalog for an image of the luminaire.



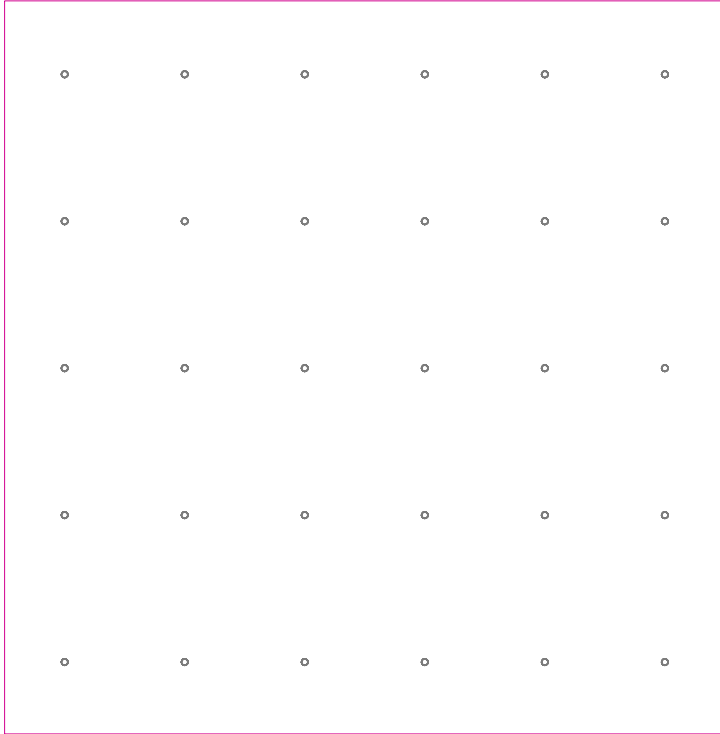
Total lamp luminous flux: 875550 lm, Total luminaire luminous flux: 875520 lm, Total Load: 5937.0 W, Luminous efficacy: 147.5 lm/W

Lighting power density: 6.48 W/m² = 0.87 W/m²/100 lx (Floor area of room 915.91 m²)

Consumption: 16350 kWh/a of maximum 32100 kWh/a

The energy consumption quantities do not take into account light scenes and their dimming levels.
The results are informative. The energy consumption of a building results from the sum of all consumptions in the rooms.

Sever / Perpendicular illuminance (adaptive)



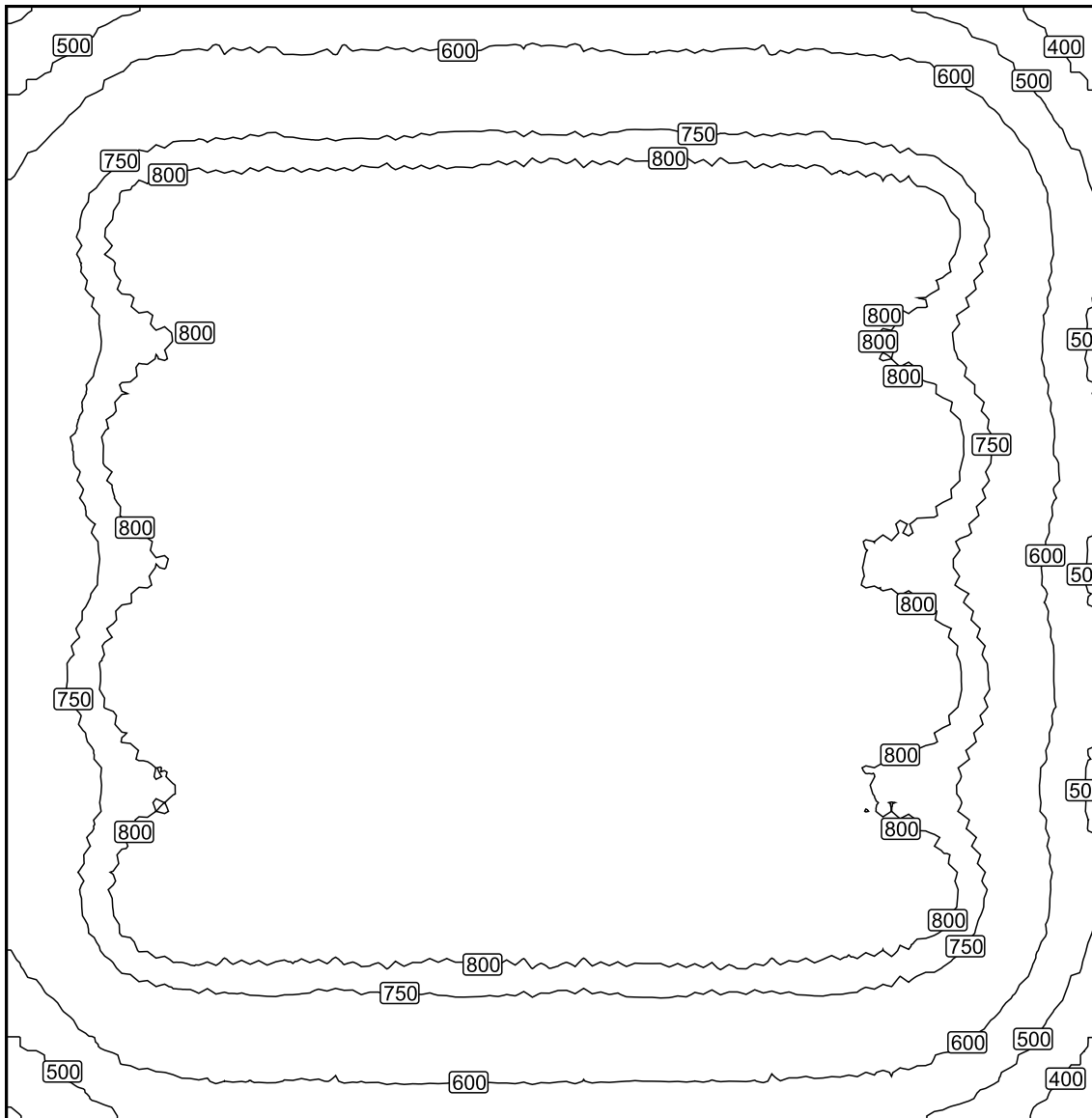
Sever: Perpendicular illuminance (adaptive) (Surface)

Light scene: Light scene 1

Average: 749 lx (Target: ≥ 500 lx), Min: 310 lx, Max: 886 lx, Min/average: 0.41, Min/max: 0.35

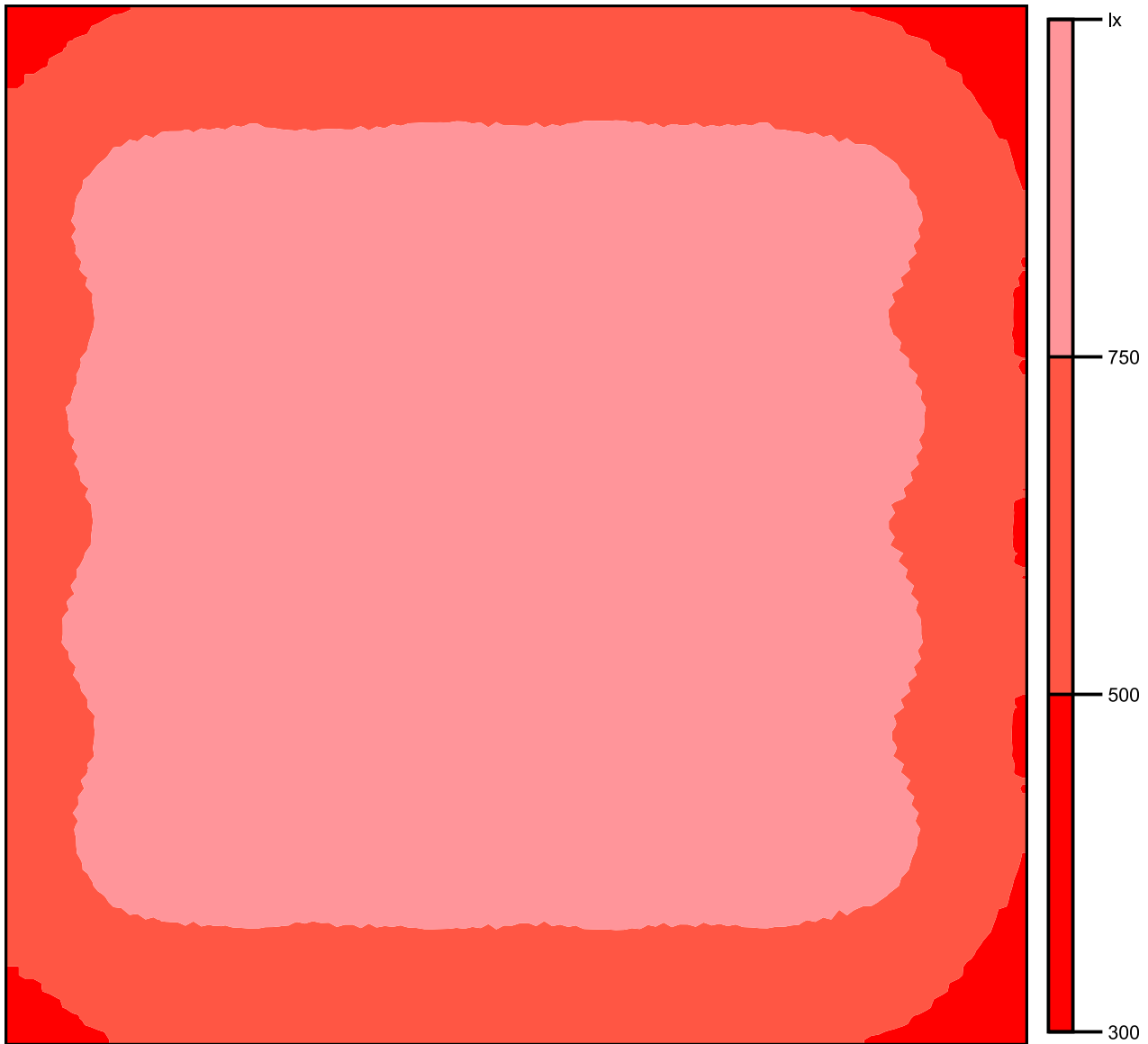
Height: 0.800 m, Wall zone: 0.000 m

Isolines [lx]



Scale: 1 : 200

False colours [lx]



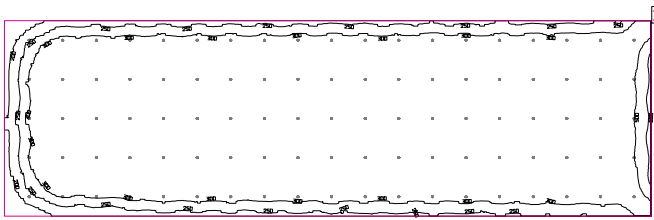
Scale: 1 : 200

Value grid [lx]

+541	+627	+627	+634	+624	+620	+483
+711	+799	+809	+819	+815	+795	+635
+747	+832	+841	+850	+842	+831	+658
+750	+842	+846	+851	+837	+826	+661
+750	+836	+845	+856	+847	+820	+667
+754	+832	+844	+854	+839	+824	+654
+751	+839	+842	+850	+844	+826	+659
+745	+834	+839	+849	+837	+822	+656
+721	+811	+816	+817	+817	+800	+634
+554	+633	+637	+640	+630	+623	+488

Scale: 1 : 200

Zváranie



Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Juh	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	366 (≥ 300)	112	635	0.31	0.18

Quantity	Luminaire (Luminous emittance)		
95	DIALux - UX HBay V2E 100W, 5000K, 90° Ra80 Luminous emittance 1 Fitting: 1x5000K Ra70 Light output ratio: 100% Lamp luminous flux: 14275 lm Luminaire luminous flux: 14275 lm Power: 100.9 W Luminous efficacy: 141.5 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100		

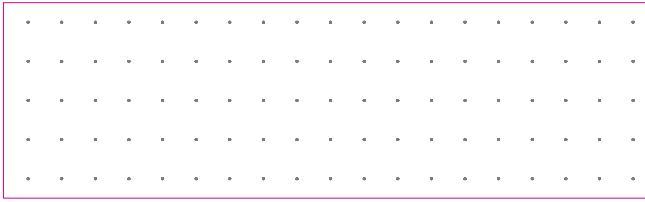
Total lamp luminous flux: 1356125 lm, Total luminaire luminous flux: 1356125 lm, Total Load: 9585.5 W, Luminous efficacy: 141.5 lm/W

Lighting power density: $3.11 \text{ W/m}^2 = 0.85 \text{ W/m}^2/100 \text{ lx}$ (Floor area of room 3083.56 m²)

Consumption: 21550 kWh/a of maximum 107950 kWh/a

The energy consumption quantities do not take into account light scenes and their dimming levels.
The results are informative. The energy consumption of a building results from the sum of all consumptions in the rooms.

Juh / Perpendicular illuminance (adaptive)



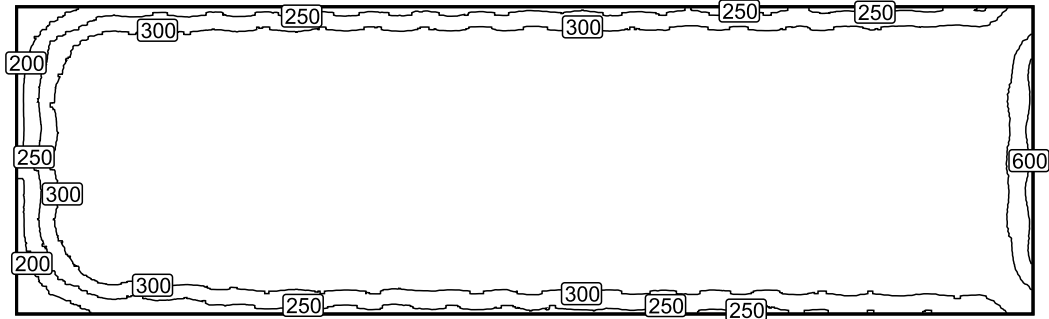
Juh: Perpendicular illuminance (adaptive) (Surface)

Light scene: Light scene 1

Average: 366 lx (Target: ≥ 300 lx), Min: 112 lx, Max: 635 lx, Min/average: 0.31, Min/max: 0.18

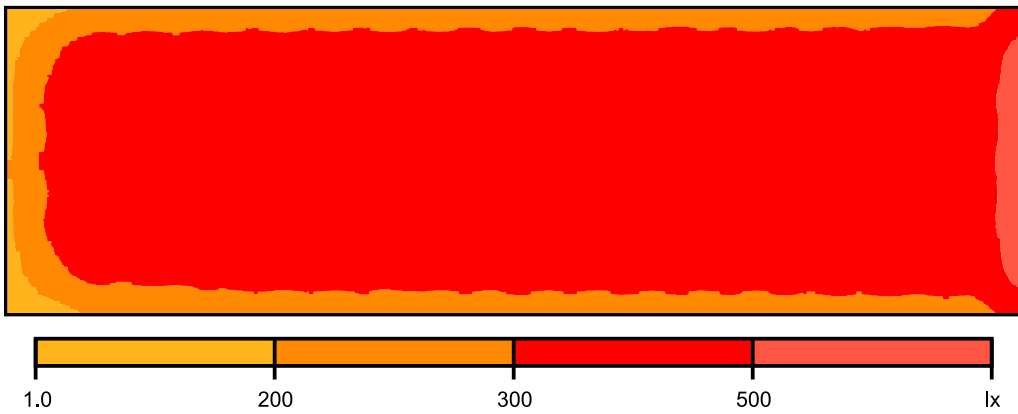
Height: 0.800 m, Wall zone: 0.000 m

Isolines [lx]



Scale: 1 : 750

False colours [lx]



Scale: 1 : 750

Value grid [lx]

165	233	255	256	261	267	266	267	264	258	263	268	270	271	278	274	266	266	268	271	278	351
218	312	338	340	343	351	352	347	348	344	346	347	352	353	358	353	348	346	350	360	361	448
236	336	372	371	384	390	395	383	387	375	381	383	393	392	397	393	387	380	384	390	402	486
254	368	392	390	404	408	410	405	407	400	401	400	410	414	413	412	407	408	408	417	422	507
247	350	378	390	397	405	407	401	397	392	391	397	405	406	410	408	400	397	398	408	424	501
255	362	388	397	403	406	404	403	407	404	404	404	405	413	413	413	406	405	406	418	424	509
257	360	388	398	404	405	412	405	405	401	401	406	408	415	413	413	408	407	408	413	428	509
246	350	378	383	392	404	402	402	398	393	394	398	401	405	408	408	400	400	398	408	416	505
254	363	387	394	398	406	407	405	408	405	400	406	413	411	414	416	412	410	408	416	424	509
232	336	360	368	380	388	388	388	383	380	378	383	391	393	397	395	387	383	384	394	402	489
210	296	318	330	341	351	348	348	342	341	341	346	352	355	352	358	351	351	350	358	366	452
156	216	234	238	260	271	268	268	263	264	263	263	272	273	277	274	268	270	273	276	282	359

Scale: 1 : 750