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Preliminary remarks

Notes on planning:

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

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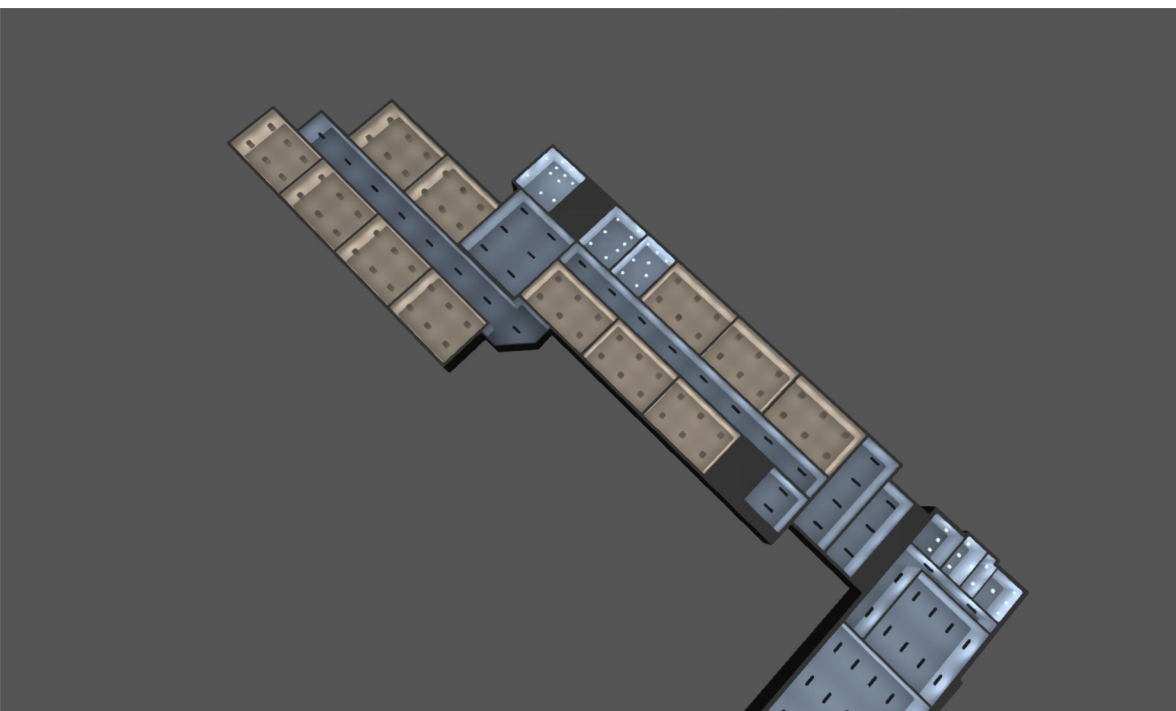
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Description

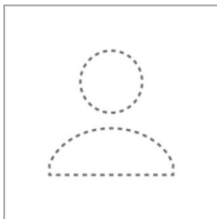
Luminaire list

Φ_{total} 592332 lm	P_{total} 5372.0 W	Luminous efficacy 110.3 lm/W
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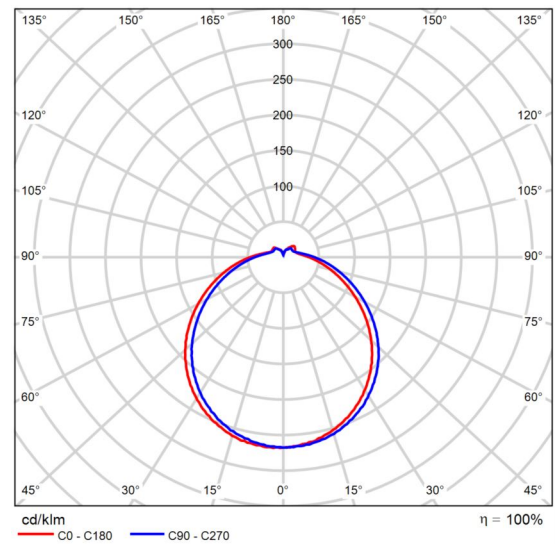
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
72	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W
58	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W
40	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Product data sheet

Not yet a DIALux member - Start eco Surface IP44 PIR 1900lm 840 DualTone



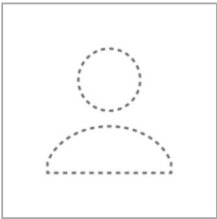
Article No.	0043438
P	23.8 W
Φ_{Lamp}	1800 lm
$\Phi_{\text{Luminaire}}$	1800 lm
η	100.00 %
Luminous efficacy	75.6 lm/W
CCT	4000 K
CRI	80



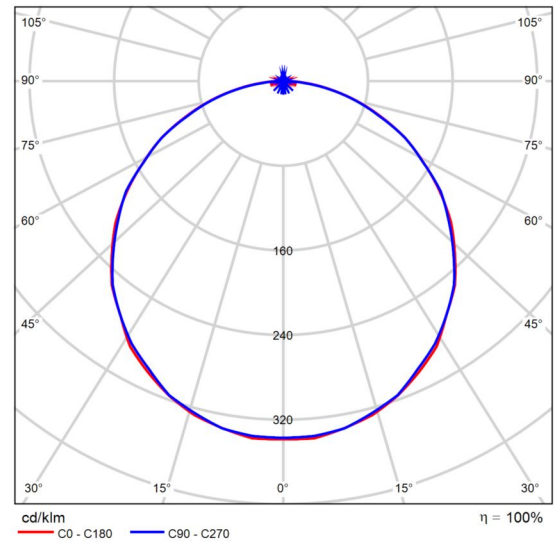
Polar LDC

Product data sheet

Not yet a DIALux member - START Panel 600x600 HE 4100Lm 830 LILO



Article No.	0042872
P	34.0 W
Φ_{Lamp}	4051 lm
$\Phi_{Luminaire}$	4061 lm
η	100.25 %
Luminous efficacy	119.4 lm/W
CCT	3000 K
CRI	80



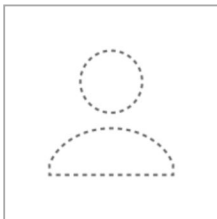
Polar LDC

Glare evaluation according to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	30	50	30	50	30	30		
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	17.3	18.7	17.7	19.0	19.2	17.3	18.7	17.6	18.9	19.2	
	3H	19.0	20.2	19.3	20.5	20.8	18.9	20.1	19.2	20.4	20.7	
	4H	19.7	20.8	20.0	21.1	21.5	19.6	20.8	19.9	21.1	21.4	
	6H	20.2	21.3	20.6	21.6	22.0	20.1	21.2	20.5	21.5	21.9	
	8H	20.4	21.5	20.8	21.8	22.1	20.3	21.3	20.7	21.7	22.0	
	12H	20.5	21.6	20.9	21.9	22.3	20.4	21.4	20.8	21.7	22.1	
4H	2H	18.0	19.2	18.4	19.5	19.8	18.0	19.2	18.3	19.5	19.8	
	3H	19.9	20.9	20.3	21.2	21.6	19.8	20.8	20.2	21.2	21.5	
	4H	20.7	21.6	21.1	22.0	22.4	20.6	21.5	21.1	21.9	22.3	
	6H	21.4	22.2	21.8	22.6	23.0	21.3	22.1	21.7	22.5	22.9	
	8H	21.6	22.4	22.1	22.8	23.2	21.5	22.2	22.0	22.7	23.1	
	12H	21.8	22.5	22.3	23.0	23.4	21.7	22.3	22.1	22.8	23.2	
8H	4H	21.0	21.8	21.5	22.2	22.6	21.0	21.7	21.4	22.1	22.6	
	6H	21.9	22.5	22.4	22.9	23.4	21.8	22.4	22.3	22.8	23.3	
	8H	22.2	22.8	22.7	23.3	23.7	22.1	22.6	22.6	23.1	23.6	
	12H	22.5	23.0	23.1	23.5	24.0	22.3	22.8	22.8	23.3	23.8	
	4H	21.1	21.7	21.5	22.2	22.6	21.0	21.7	21.5	22.1	22.6	
	6H	22.0	22.5	22.5	23.0	23.5	21.9	22.4	22.4	22.9	23.4	
12H	8H	22.4	22.8	22.9	23.3	23.8	22.2	22.7	22.7	23.2	23.7	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H		+0.2 / -0.3					+0.2 / -0.3					
S = 2.0H		+0.3 / -0.6					+0.3 / -0.6					
Standard table		BK06					BK06					
Correction Summand		5.0					4.9					
Corrected glare indices referring to 4051lm Total luminous flux												

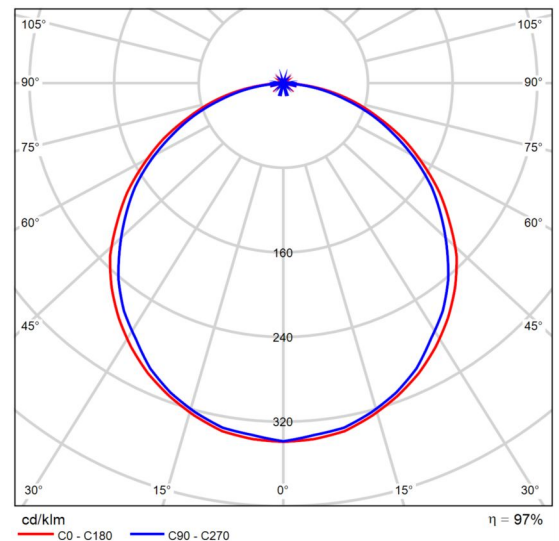
UGR diagram (SHR: 0.25)

Product data sheet

Not yet a DIALux member - START Panel 1200x300 HE 4100lm 840 LILO



Article No.	0042879
P	34.0 W
Φ_{Lamp}	4053 lm
$\Phi_{\text{Luminaire}}$	3930 lm
η	96.96 %
Luminous efficacy	115.6 lm/W
CCT	4000 K
CRI	80



Polar LDC

Glare evaluation according to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	30	50	30	50	30	30		
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis						
2H	2H	17.0	18.4	17.3	18.6	18.9	17.1	18.5	17.4	18.7	19.0	
	3H	18.5	19.7	18.8	20.0	20.3	18.6	19.8	18.9	20.1	20.4	
	4H	19.1	20.2	19.4	20.5	20.9	19.2	20.3	19.5	20.6	20.9	
	6H	19.5	20.6	19.9	20.9	21.2	19.6	20.7	19.9	21.0	21.3	
	8H	19.6	20.6	20.0	21.0	21.3	19.7	20.7	20.1	21.1	21.4	
	12H	19.6	20.6	20.0	21.0	21.3	19.7	20.7	20.1	21.1	21.4	
4H	2H	17.7	18.8	18.0	19.1	19.4	17.7	18.9	18.1	19.2	19.5	
	3H	19.3	20.3	19.7	20.7	21.0	19.4	20.4	19.8	20.7	21.1	
	4H	20.0	20.9	20.4	21.3	21.7	20.1	21.0	20.5	21.3	21.7	
	6H	20.5	21.3	21.0	21.7	22.1	20.6	21.4	21.0	21.8	22.2	
	8H	20.7	21.4	21.1	21.8	22.3	20.7	21.5	21.2	21.9	22.3	
	12H	20.8	21.4	21.2	21.9	22.3	20.8	21.5	21.3	21.9	22.4	
8H	4H	20.3	21.0	20.7	21.4	21.8	20.3	21.0	20.8	21.4	21.9	
	6H	20.9	21.5	21.4	21.9	22.4	20.9	21.5	21.4	22.0	22.4	
	8H	21.1	21.6	21.6	22.1	22.6	21.1	21.7	21.6	22.1	22.6	
	12H	21.2	21.7	21.8	22.2	22.7	21.3	21.7	21.8	22.2	22.7	
	4H	20.3	20.9	20.7	21.4	21.8	20.3	21.0	20.8	21.4	21.9	
	6H	20.9	21.5	21.4	21.9	22.4	21.0	21.5	21.5	22.0	22.5	
12H	8H	21.2	21.6	21.7	22.1	22.6	21.2	21.7	21.7	22.1	22.7	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H		+0.2 / -0.4					+0.2 / -0.3					
S = 2.0H		+0.5 / -0.7					+0.5 / -0.6					
Standard table		BK05					BK05					
Correction Summand		3.6					3.6					
Corrected glare indices referring to 4053lm Total luminous flux												

UGR diagram (SHR: 0.25)

Building 1

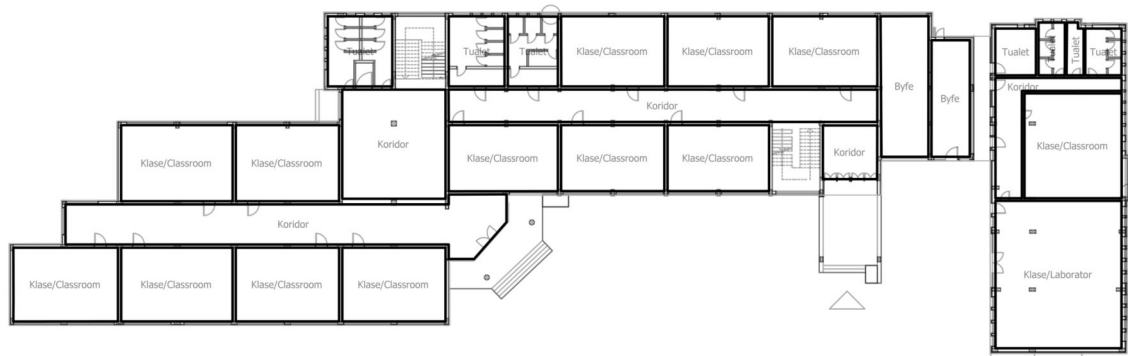
Luminaire list

Φ_{total} 592332 lm	P_{total} 5372.0 W	Luminous efficacy 110.3 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
72	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W
58	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W
40	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 (Light scene 1)

Room List



Building 1 · Story 1 (Light scene 1)

Room List

Byfe

P_{total} 136.0 W	A_{Room} 47.67 m ²	Lighting power density 2.85 W/m ² = 1.15 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 248 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
4	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Byfe

P_{total} 102.0 W	A_{Room} 31.87 m ²	Lighting power density 3.20 W/m ² = 1.23 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 261 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
3	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 60.60 m ²	Lighting power density 3.37 W/m ² = 1.01 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 333 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Building 1 · Story 1 (Light scene 1)

Room List

Klase/Classroom

P_{total} 204.0 W	A_{Room} 56.10 m ²	Lighting power density 3.64 W/m ² = 1.02 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 356 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 55.11 m ²	Lighting power density 3.70 W/m ² = 1.02 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 362 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 58.66 m ²	Lighting power density 3.48 W/m ² = 1.02 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 342 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Building 1 · Story 1 (Light scene 1)

Room List

Klase/Classroom

P_{total} 204.0 W	A_{Room} 54.42 m ²	Lighting power density 3.75 W/m ² = 1.02 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 366 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 54.36 m ²	Lighting power density 3.75 W/m ² = 1.02 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 368 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 51.58 m ²	Lighting power density 3.96 W/m ² = 1.03 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 382 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Building 1 · Story 1 (Light scene 1)

Room List

Klase/Classroom

P_{total} 204.0 W	A_{Room} 48.69 m ²	Lighting power density 4.19 W/m ² = 1.04 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 403 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 47.85 m ²	Lighting power density 4.26 W/m ² = 1.04 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 410 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 51.72 m ²	Lighting power density 3.94 W/m ² = 1.03 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 383 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Building 1 · Story 1 (Light scene 1)

Room List

Klase/Classroom

P_{total} 204.0 W	A_{Room} 50.77 m ²	Lighting power density 4.02 W/m ² = 1.03 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 389 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 204.0 W	A_{Room} 52.65 m ²	Lighting power density 3.87 W/m ² = 1.03 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 378 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm

Klase/Classroom

P_{total} 272.0 W	A_{Room} 72.76 m ²	Lighting power density 3.74 W/m ² = 1.09 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 344 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Building 1 · Story 1 (Light scene 1)

Room List

Klase/Laborator

P_{total} 510.0 W	A_{Room} 132.74 m ²	Lighting power density 3.84 W/m ² = 1.04 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 368 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
15	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Koridor

P_{total} 136.0 W	A_{Room} 32.00 m ²	Lighting power density 4.25 W/m ² = 2.00 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 212 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
4	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Koridor

P_{total} 272.0 W	A_{Room} 132.20 m ²	Lighting power density 2.06 W/m ² = 1.31 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 158 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Building 1 · Story 1 (Light scene 1)

Room List

Koridor

P_{total} 204.0 W	A_{Room} 80.53 m ²	Lighting power density 2.53 W/m ² = 1.17 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 216 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
6	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Koridor

P_{total} 272.0 W	A_{Room} 99.08 m ²	Lighting power density 2.75 W/m ² = 1.45 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 189 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Koridor

P_{total} 68.0 W	A_{Room} 20.84 m ²	Lighting power density 3.26 W/m ² = 1.48 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 220 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
2	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm

Building 1 · Story 1 (Light scene 1)

Room List

Tualet

P_{total} 261.8 W	A_{Room} 32.32 m ²	Lighting power density 8.10 W/m ² = 2.09 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 387 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
11	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Tualet

P_{total} 190.4 W	A_{Room} 27.99 m ²	Lighting power density 6.80 W/m ² = 2.17 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 314 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
8	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Tualet

P_{total} 190.4 W	A_{Room} 25.02 m ²	Lighting power density 7.61 W/m ² = 2.19 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 347 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
8	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Building 1 · Story 1 (Light scene 1)

Room List

Tualet

P_{total} 71.4 W	A_{Room} 13.59 m ²	Lighting power density 5.25 W/m ² = 2.36 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 222 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
3	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Tualet

P_{total} 95.2 W	A_{Room} 9.93 m ²	Lighting power density 9.59 W/m ² = 2.84 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 337 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
4	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Tualet

P_{total} 47.6 W	A_{Room} 6.11 m ²	Lighting power density 7.79 W/m ² = 3.47 W/m ² /100 lx (Room)	E_{perpendicular} (Working plane) 224 lx
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pcs.	Manufacturer	Article No.	Article name	P	Φ _{Luminaire}
2	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Building 1 · Story 1 (Light scene 1)

Room List

Tualet

P_{total} 95.2 W	A_{Room} 12.10 m ²	Lighting power density 7.87 W/m ² = 2.58 W/m ² /100 lx (Room)	$E_{\text{perpendicular (Working plane)}}$ 305 lx
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pcs.	Manufacturer	Article No.	Article name	P	$\Phi_{\text{Luminaire}}$
4	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm

Building 1 · Story 1

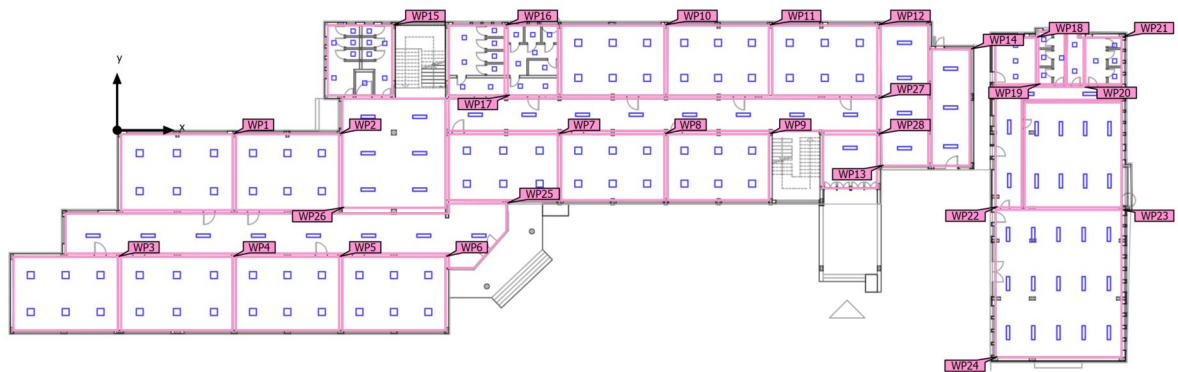
Luminaire list

Φ_{total} 592332 lm	P_{total} 5372.0 W	Luminous efficacy 110.3 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
72	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W
58	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W
40	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 (Light scene 1)

Calculation objects



Building 1 · Story 1 (Light scene 1)

Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	333 lx (≥ 300 lx) ✓	135 lx	672 lx	0.41	0.20	WP1
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	356 lx (≥ 300 lx) ✓	151 lx	686 lx	0.42	0.22	WP2
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	362 lx (≥ 300 lx) ✓	160 lx	659 lx	0.44	0.24	WP3
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	342 lx (≥ 300 lx) ✓	148 lx	645 lx	0.43	0.23	WP4
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	366 lx (≥ 300 lx) ✓	160 lx	658 lx	0.44	0.24	WP5
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	368 lx (≥ 300 lx) ✓	164 lx	667 lx	0.45	0.25	WP6
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	382 lx (≥ 300 lx) ✓	176 lx	670 lx	0.46	0.26	WP7
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	403 lx (≥ 300 lx) ✓	184 lx	687 lx	0.46	0.27	WP8
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	410 lx (≥ 300 lx) ✓	192 lx	692 lx	0.47	0.28	WP9
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	383 lx (≥ 300 lx) ✓	174 lx	672 lx	0.45	0.26	WP10
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	389 lx (≥ 300 lx) ✓	175 lx	680 lx	0.45	0.26	WP11

Building 1 · Story 1 (Light scene 1)

Calculation objects

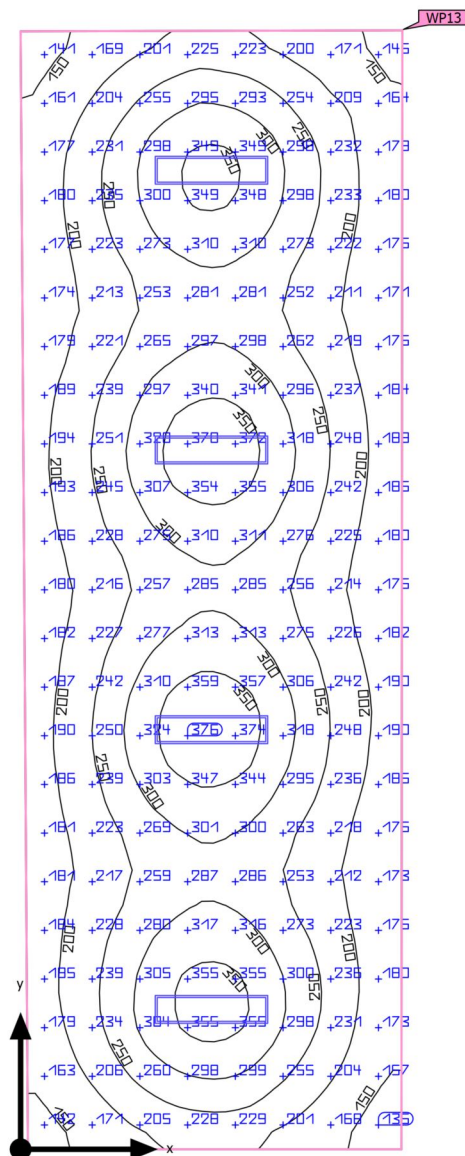
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	378 lx (≥ 300 lx) ✓	168 lx	668 lx	0.44	0.25	WP12
Working plane (Byfe) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	248 lx (≥ 200 lx) ✓	127 lx	383 lx	0.51	0.33	WP13
Working plane (Byfe) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	261 lx (≥ 200 lx) ✓	151 lx	385 lx	0.58	0.39	WP14
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	387 lx (≥ 200 lx) ✓	199 lx	600 lx	0.51	0.33	WP15
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	314 lx (≥ 200 lx) ✓	177 lx	442 lx	0.56	0.40	WP16
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	347 lx (≥ 200 lx) ✓	219 lx	435 lx	0.63	0.50	WP17
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	222 lx (≥ 200 lx) ✓	141 lx	296 lx	0.64	0.48	WP18
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	337 lx (≥ 200 lx) ✓	214 lx	416 lx	0.64	0.51	WP19
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	224 lx (≥ 200 lx) ✓	179 lx	254 lx	0.80	0.70	WP20
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	305 lx (≥ 200 lx) ✓	176 lx	398 lx	0.58	0.44	WP21
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	212 lx (≥ 100 lx) ✓	127 lx	285 lx	0.60	0.45	WP22
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	344 lx (≥ 300 lx) ✓	175 lx	495 lx	0.51	0.35	WP23

Building 1 · Story 1 (Light scene 1)

Calculation objects

Working plane (Klase/Laborator) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	368 lx (≥ 300 lx) ✓	188 lx	509 lx	0.51	0.37	WP24
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	158 lx (≥ 100 lx) ✓	59.5 lx	222 lx	0.38	0.27	WP25
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	216 lx (≥ 100 lx) ✓	125 lx	278 lx	0.58	0.45	WP26
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	189 lx (≥ 100 lx) ✓	119 lx	241 lx	0.63	0.49	WP27
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	220 lx (≥ 100 lx) ✓	140 lx	290 lx	0.64	0.48	WP28

Building 1 · Story 1 · Byfe (Light scene 1)

Summary

Building 1 · Story 1 · Byfe (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	248 lx	≥ 200 lx	✓	WP13
	g_1	0.51	-	-	WP13
Consumption values	Consumption	240 kWh/a	max. 1700 kWh/a	✓	
Room	Lighting power density	2.85 W/m ²	-	-	
		1.15 W/m ² /100 lx	-	-	

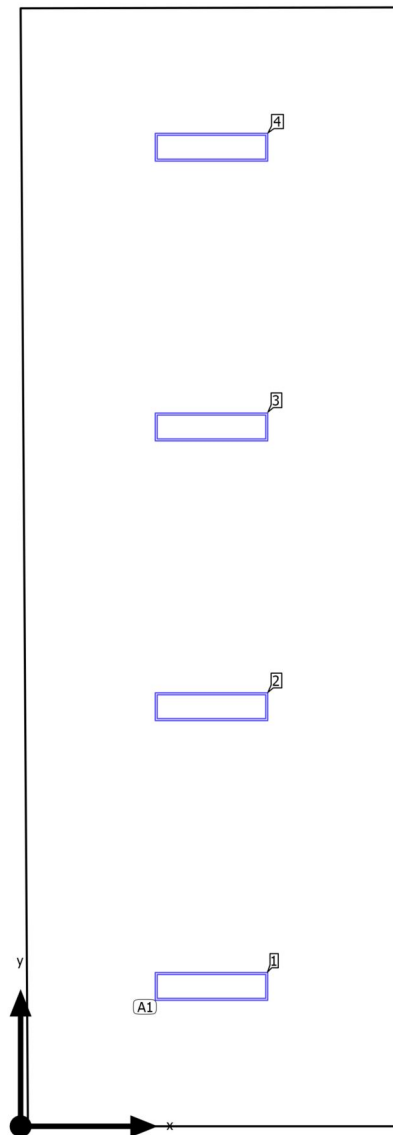
Utilization profile: Educational premises - Educational buildings, School canteens

Luminaire list

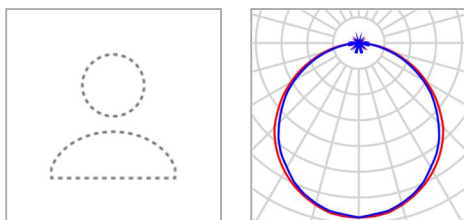
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Byfe

Luminaire layout plan



Building 1 · Story 1 · Byfe

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

4 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.028 m / 1.486 m / 2.800 m	2.028 m	1.486 m	2.800 m	1
X-direction	1 pcs., Center - center, 4.056 m	2.028 m	4.458 m	2.800 m	2
Y-direction	4 pcs., Center - center, 2.972 m	2.028 m	7.429 m	2.800 m	3
		2.028 m	10.401 m	2.800 m	4
Arrangement	A1				

Building 1 · Story 1 · Byfe

Luminaire list Φ_{total}

15720 lm

 P_{total}

136.0 W

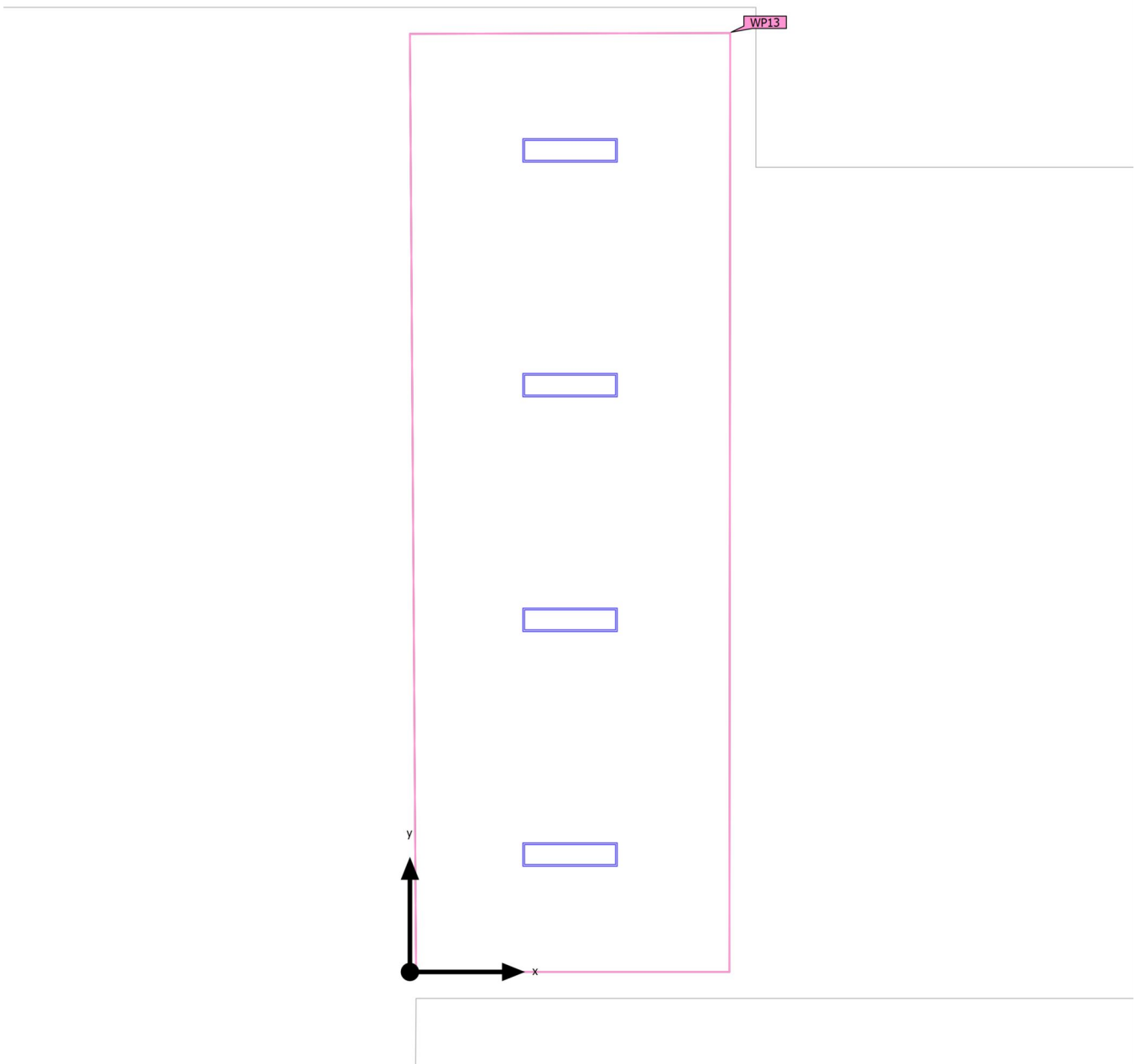
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Byfe (Light scene 1)

Calculation objects



Building 1 · Story 1 · Byfe (Light scene 1)

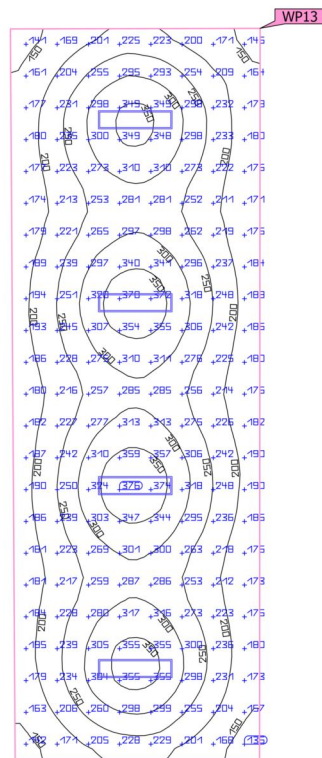
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Byfe) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	248 lx (≥ 200 lx) ✓	127 lx	383 lx	0.51	0.33	WP13

Utilization profile: Educational premises - Educational buildings, School canteens

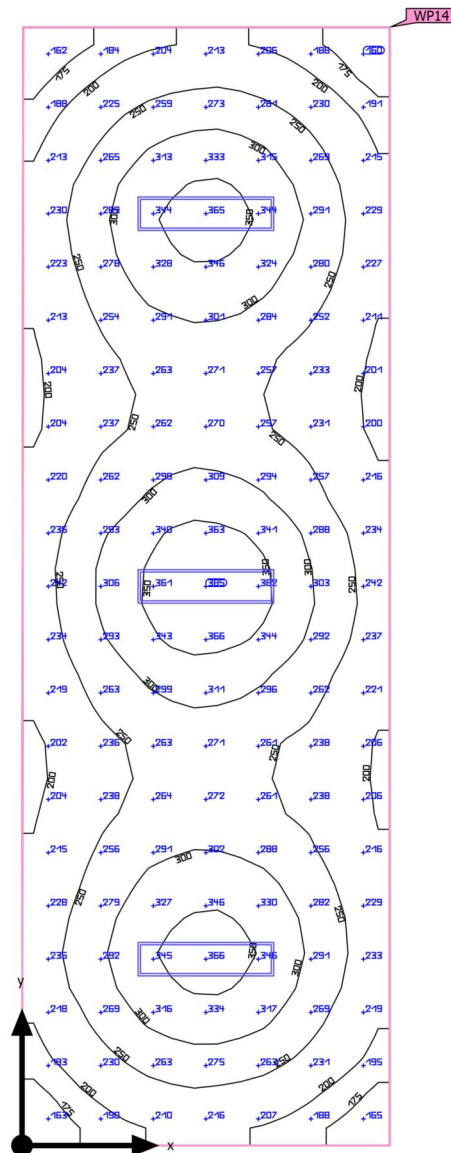
Building 1 · Story 1 · Byfe (Light scene 1)

Working plane (Byfe)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Byfe)	248 lx	127 lx	383 lx	0.51	0.33	WP13
Perpendicular illuminance (adaptive)	(≥ 200 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, School canteens

Building 1 · Story 1 · Byfe (Light scene 1)

Summary

Building 1 · Story 1 · Byfe (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	261 lx	≥ 200 lx	✓	WP14
	g_1	0.58	-	-	WP14
Consumption values	Consumption	180 kWh/a	max. 1150 kWh/a	✓	
Room	Lighting power density	3.20 W/m ²	-	-	
		1.23 W/m ² /100 lx	-	-	

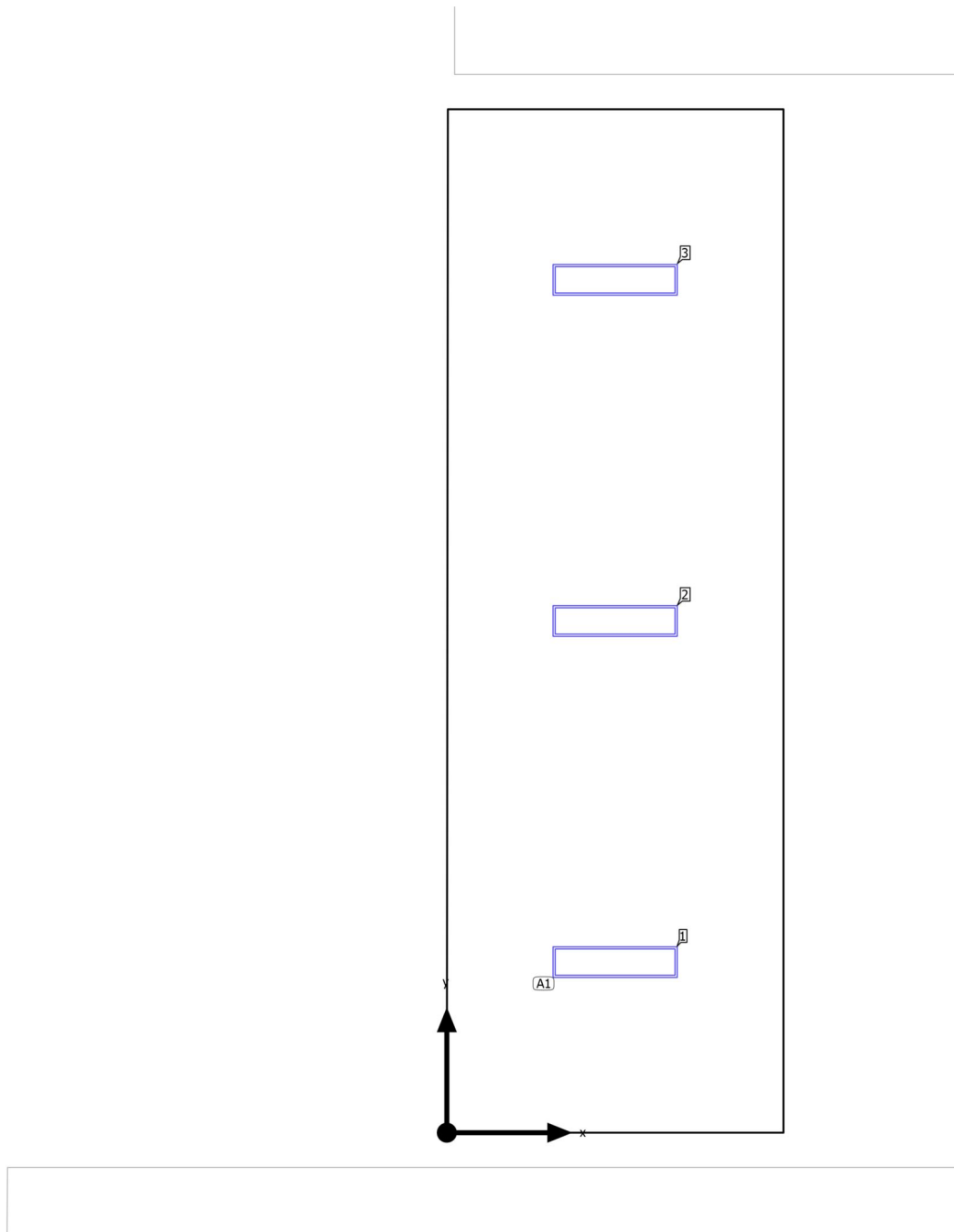
Utilization profile: Educational premises - Educational buildings, School canteens

Luminaire list

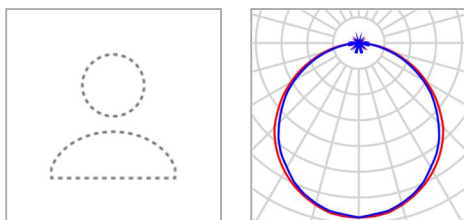
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Byfe

Luminaire layout plan



Building 1 · Story 1 · Byfe

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

3 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.620 m / 1.642 m / 2.800 m	1.620 m	1.642 m	2.800 m	1
X-direction	1 pcs., Center - center, 3.240 m	1.620 m	4.926 m	2.800 m	2
Y-direction	3 pcs., Center - center, 3.284 m	1.620 m	8.210 m	2.800 m	3
Arrangement	A1				

Building 1 · Story 1 · Byfe

Luminaire list Φ_{total}

11790 lm

 P_{total}

102.0 W

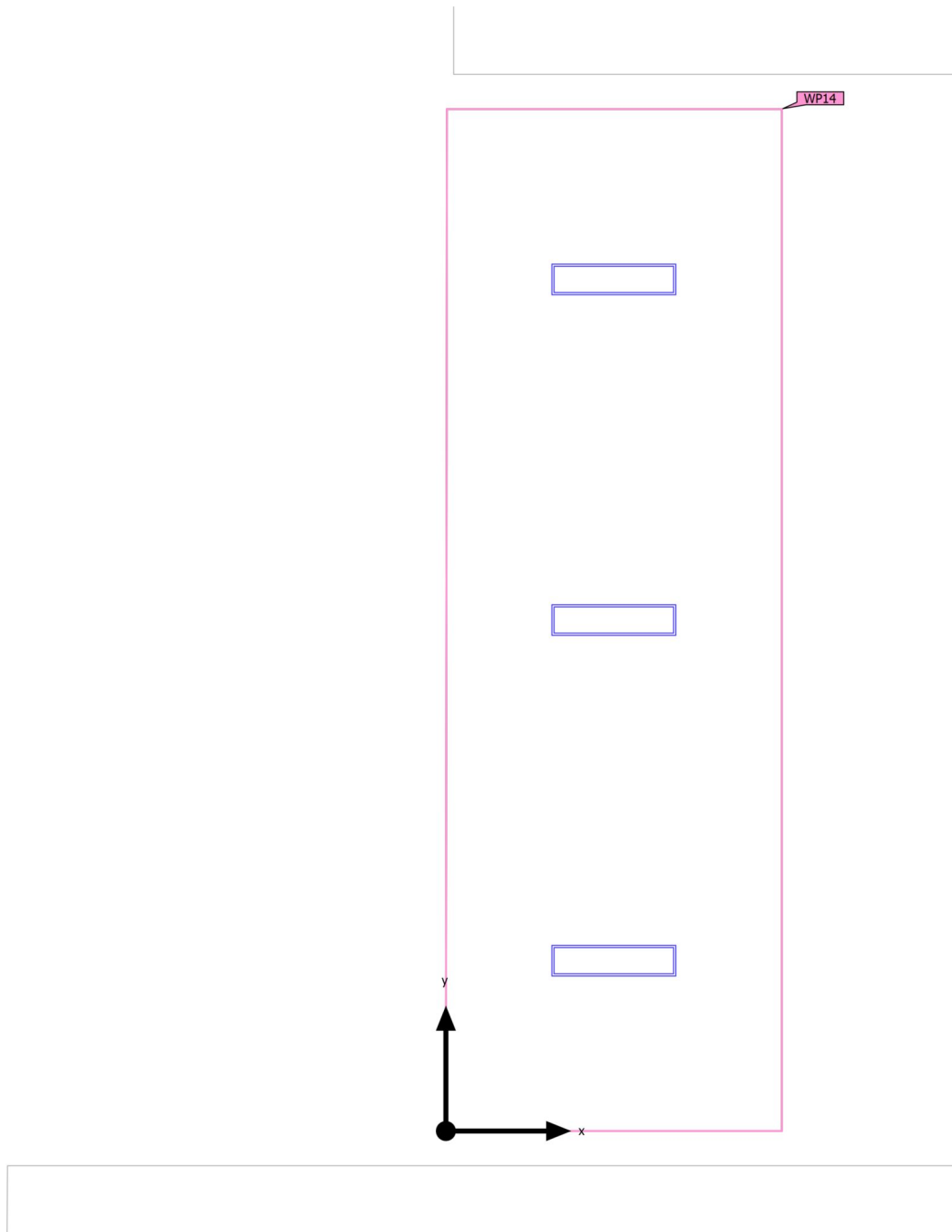
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Byfe (Light scene 1)

Calculation objects



Building 1 · Story 1 · Byfe (Light scene 1)

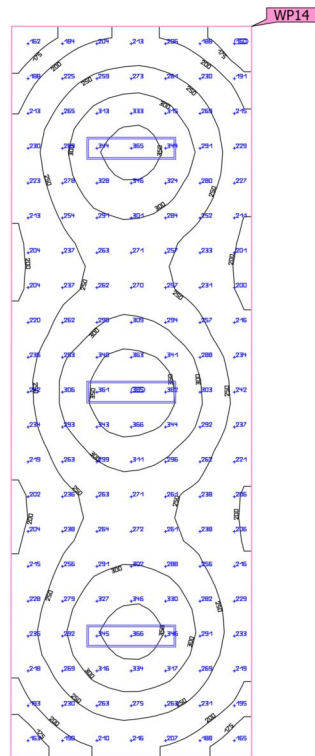
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Byfe) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	261 lx (≥ 200 lx) ✓	151 lx	385 lx	0.58	0.39	WP14

Utilization profile: Educational premises - Educational buildings, School canteens

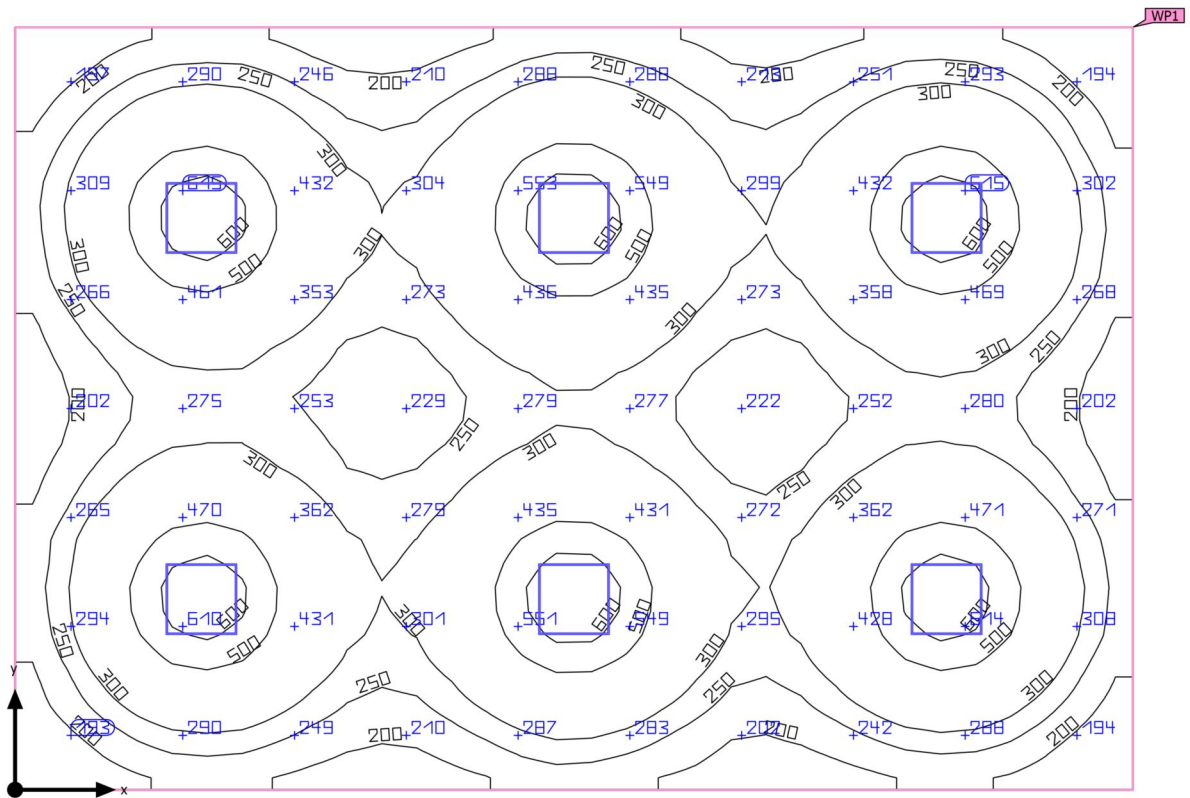
Building 1 · Story 1 · Byfe (Light scene 1)

Working plane (Byfe)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Byfe)	261 lx	151 lx	385 lx	0.58	0.39	WP14
Perpendicular illuminance (adaptive)	≥ 200 lx					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, School canteens

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	333 lx	≥ 300 lx	✓	WP1
	g_1	0.41	-	-	WP1
Consumption values	Consumption	270 kWh/a	max. 2150 kWh/a	✓	
Room	Lighting power density	3.37 W/m ²	-	-	
		1.01 W/m ² /100 lx	-	-	

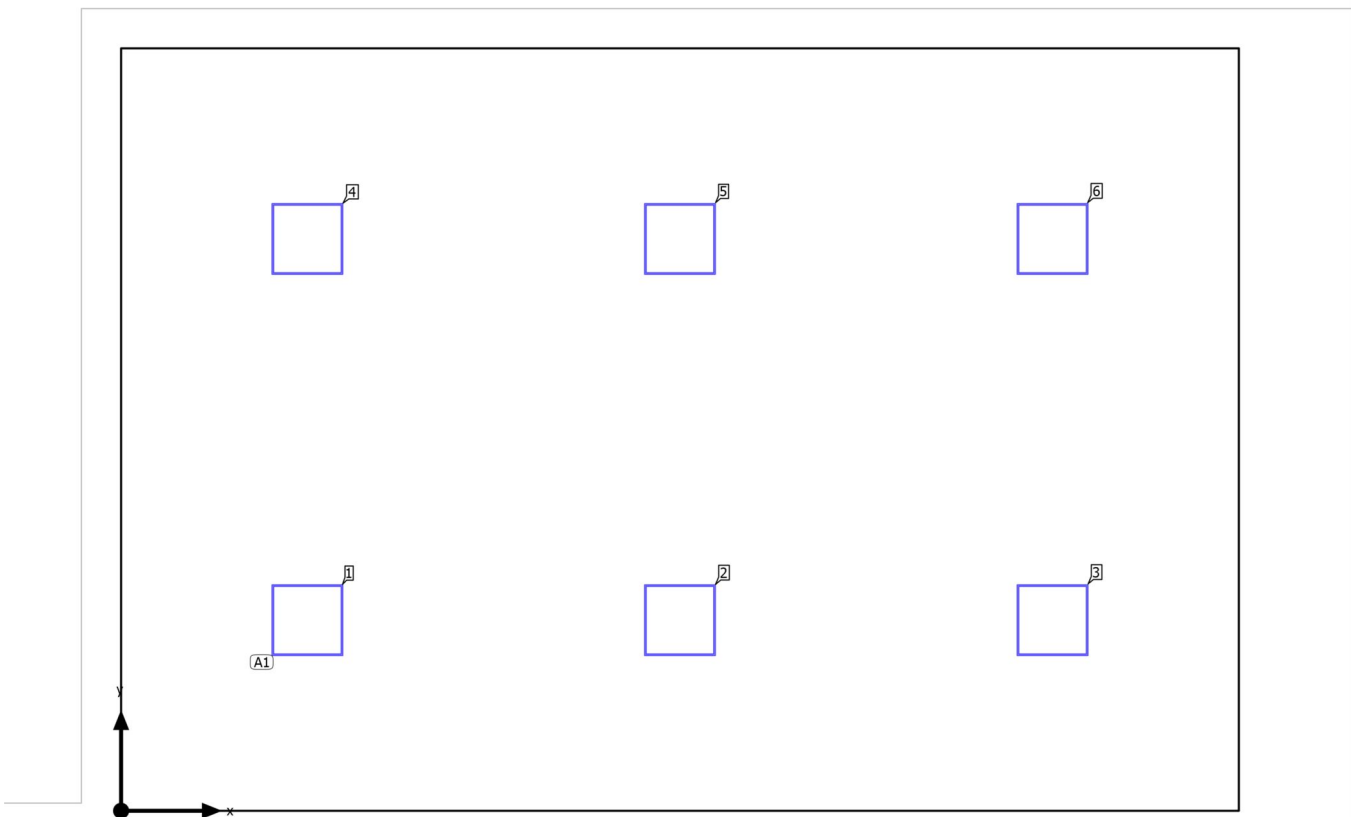
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

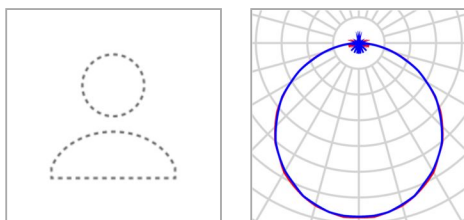
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.571 m / 1.608 m / 2.800 m	1.571 m	1.608 m	2.800 m	1
X-direction	3 pcs., Center - center, 3.142 m	4.713 m	1.608 m	2.800 m	2
		7.854 m	1.608 m	2.800 m	3
Y-direction	2 pcs., Center - center, 3.215 m	1.571 m	4.822 m	2.800 m	4
		4.713 m	4.822 m	2.800 m	5
Arrangement	A1	7.854 m	4.822 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

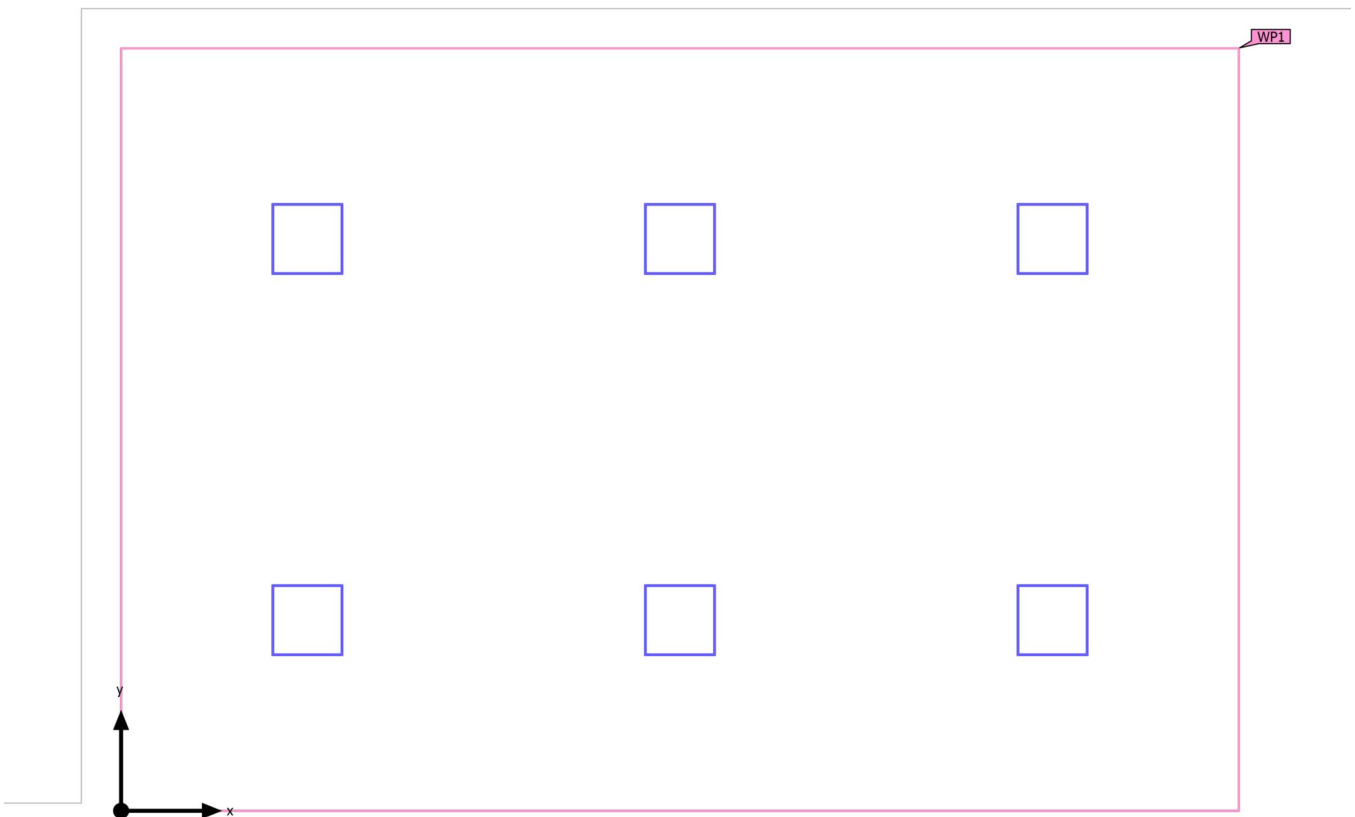
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

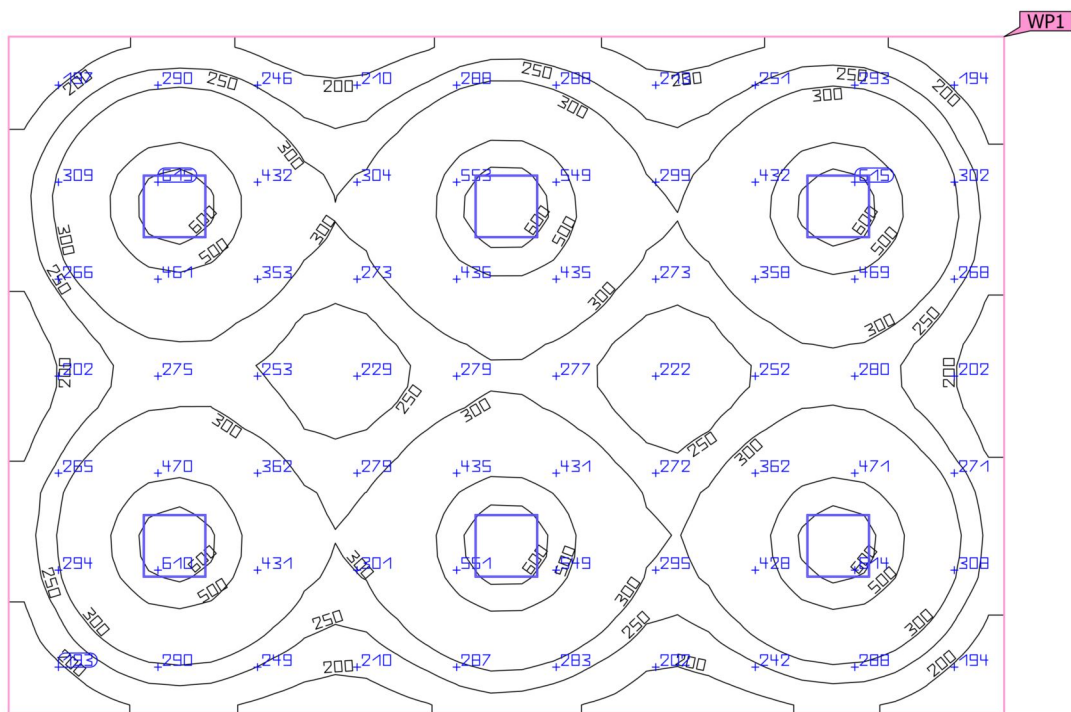
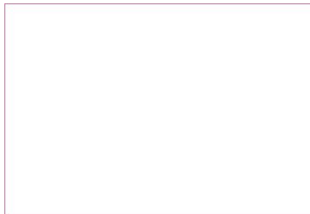
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	333 lx (≥ 300 lx) ✓	135 lx	672 lx	0.41	0.20	WP1

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

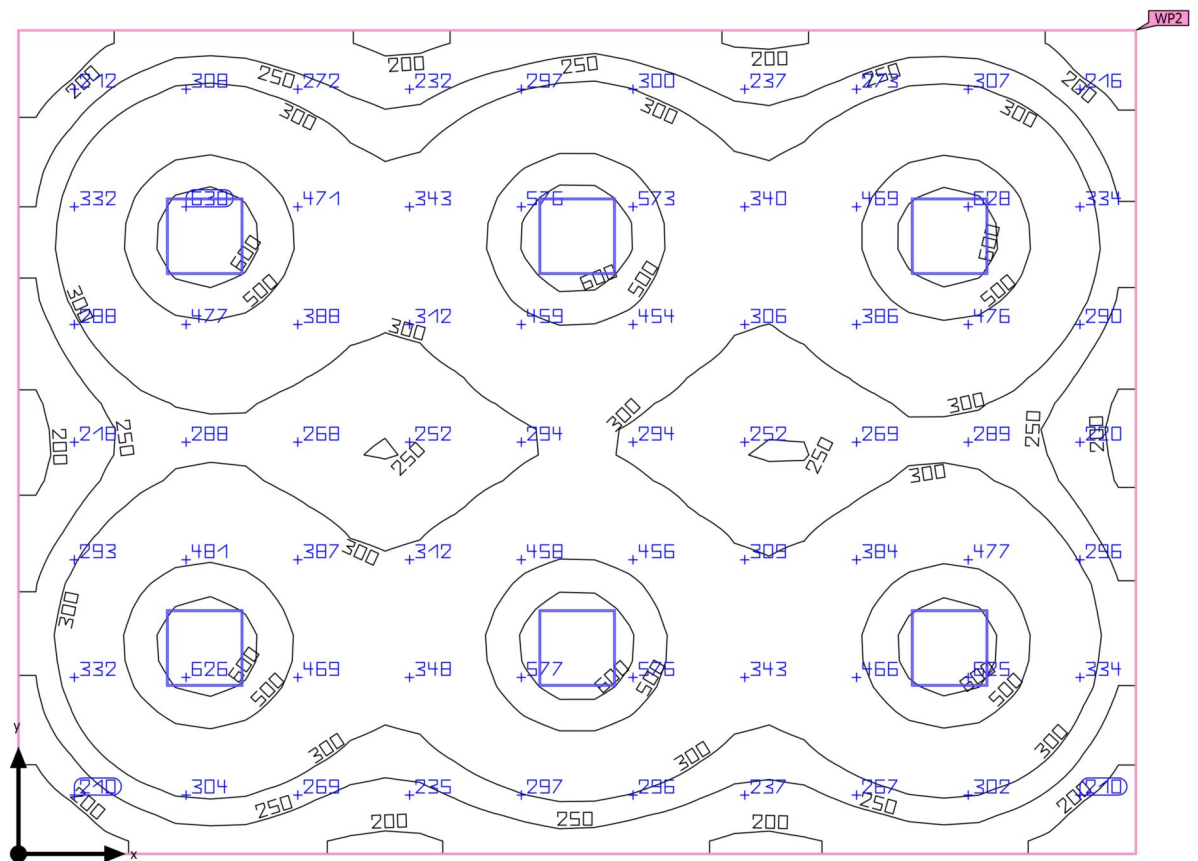
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	333 lx	135 lx	672 lx	0.41	0.20	WP1
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	356 lx	≥ 300 lx	✓	WP2
	g_1	0.42	-	-	WP2
Consumption values	Consumption	270 kWh/a	max. 2000 kWh/a	✓	
Room	Lighting power density	3.64 W/m ²	-	-	
		1.02 W/m ² /100 lx	-	-	

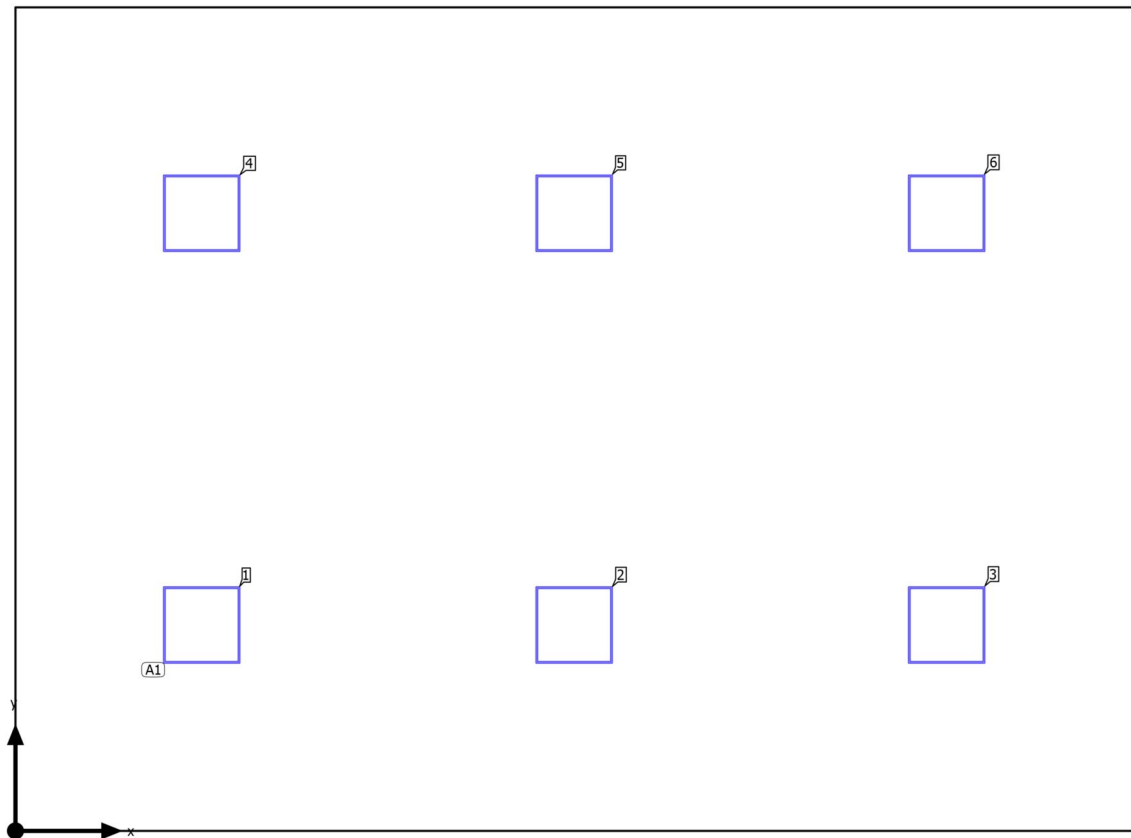
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

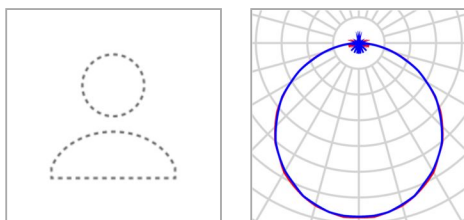
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member
Article No.	0042872
Article name	START Panel 600x600 HE 4100Lm 830 LILO
Fitting	1x LED

P	34.0 W
$\Phi_{\text{Luminaire}}$	4061 lm

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.454 m / 1.608 m / 2.800 m	1.454 m	1.608 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.908 m	4.363 m	1.608 m	2.800 m	2
Y-direction	2 pcs., Center - center, 3.215 m	7.271 m	1.608 m	2.800 m	3
Arrangement	A1	1.454 m	4.822 m	2.800 m	4
		4.363 m	4.822 m	2.800 m	5
		7.271 m	4.822 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

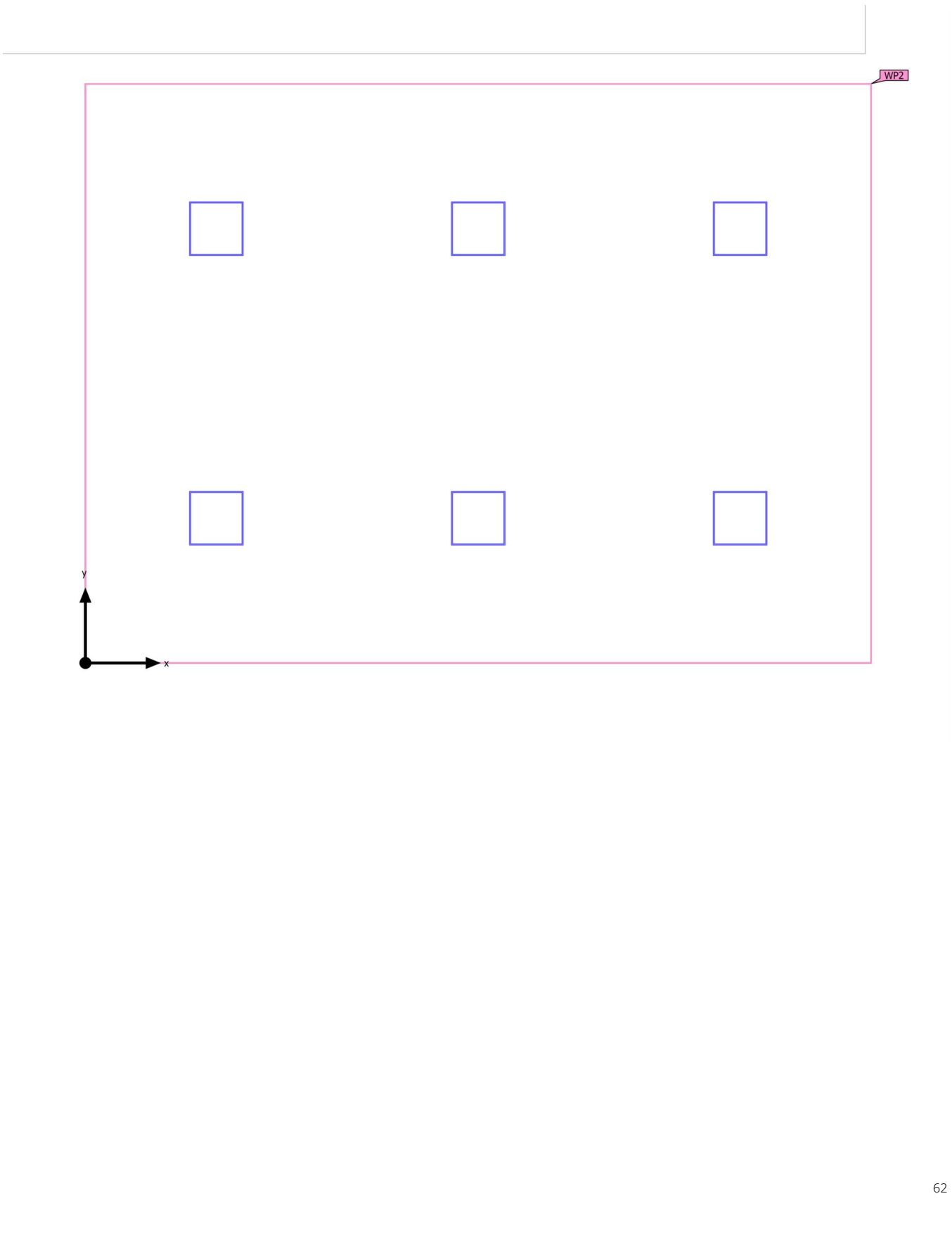
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

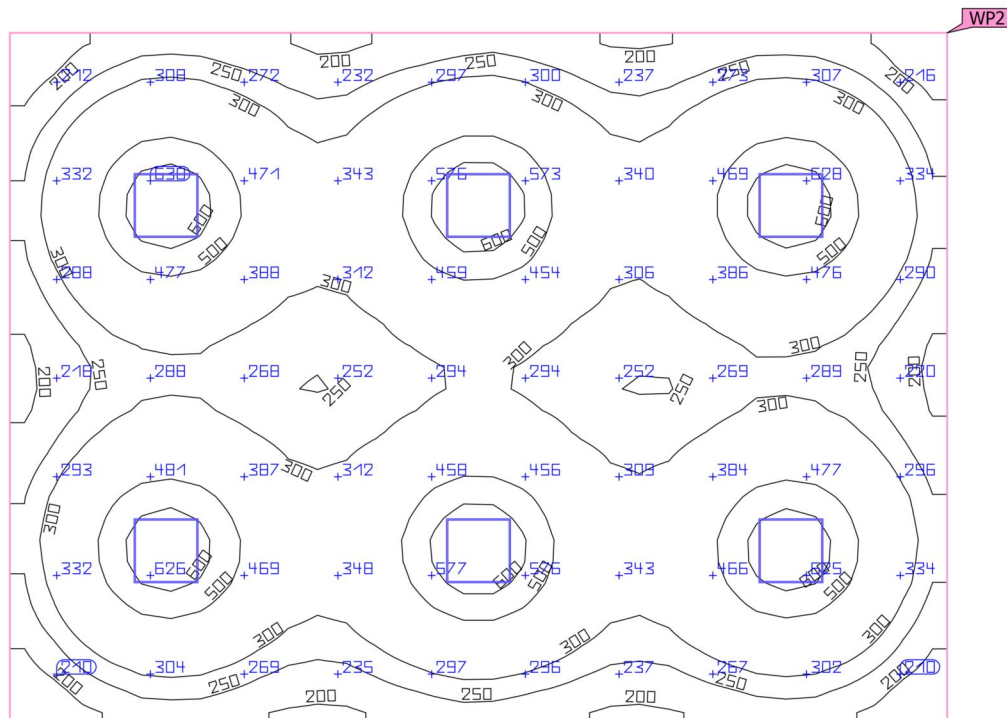
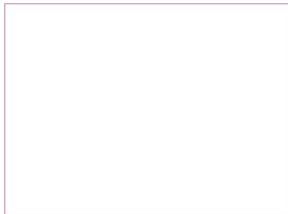
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	356 lx (≥ 300 lx) ✓	151 lx	686 lx	0.42	0.22	WP2

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

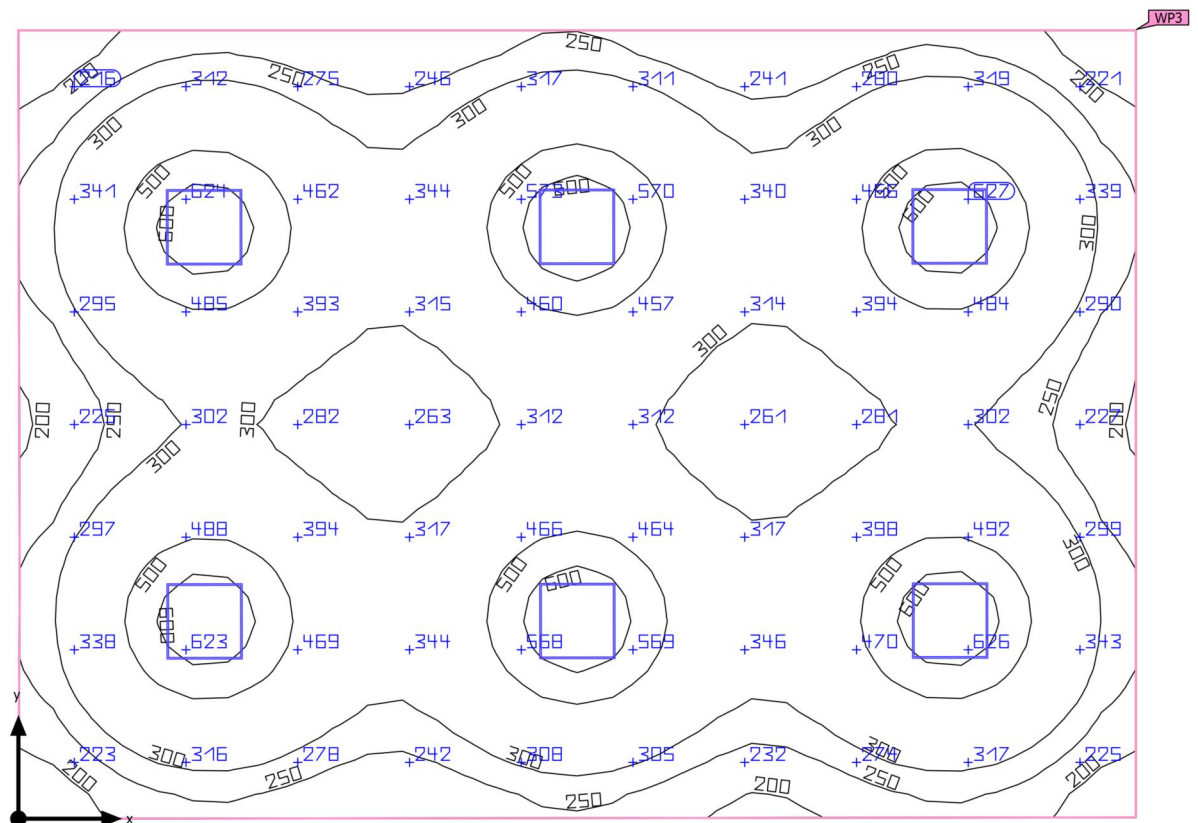
Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	356 lx	151 lx	686 lx	0.42	0.22	WP2
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	362 lx	≥ 300 lx	✓	WP3
	g_1	0.44	-	-	WP3
Consumption values	Consumption	270 kWh/a	max. 1950 kWh/a	✓	
Room	Lighting power density	3.70 W/m ²	-	-	
		1.02 W/m ² /100 lx	-	-	

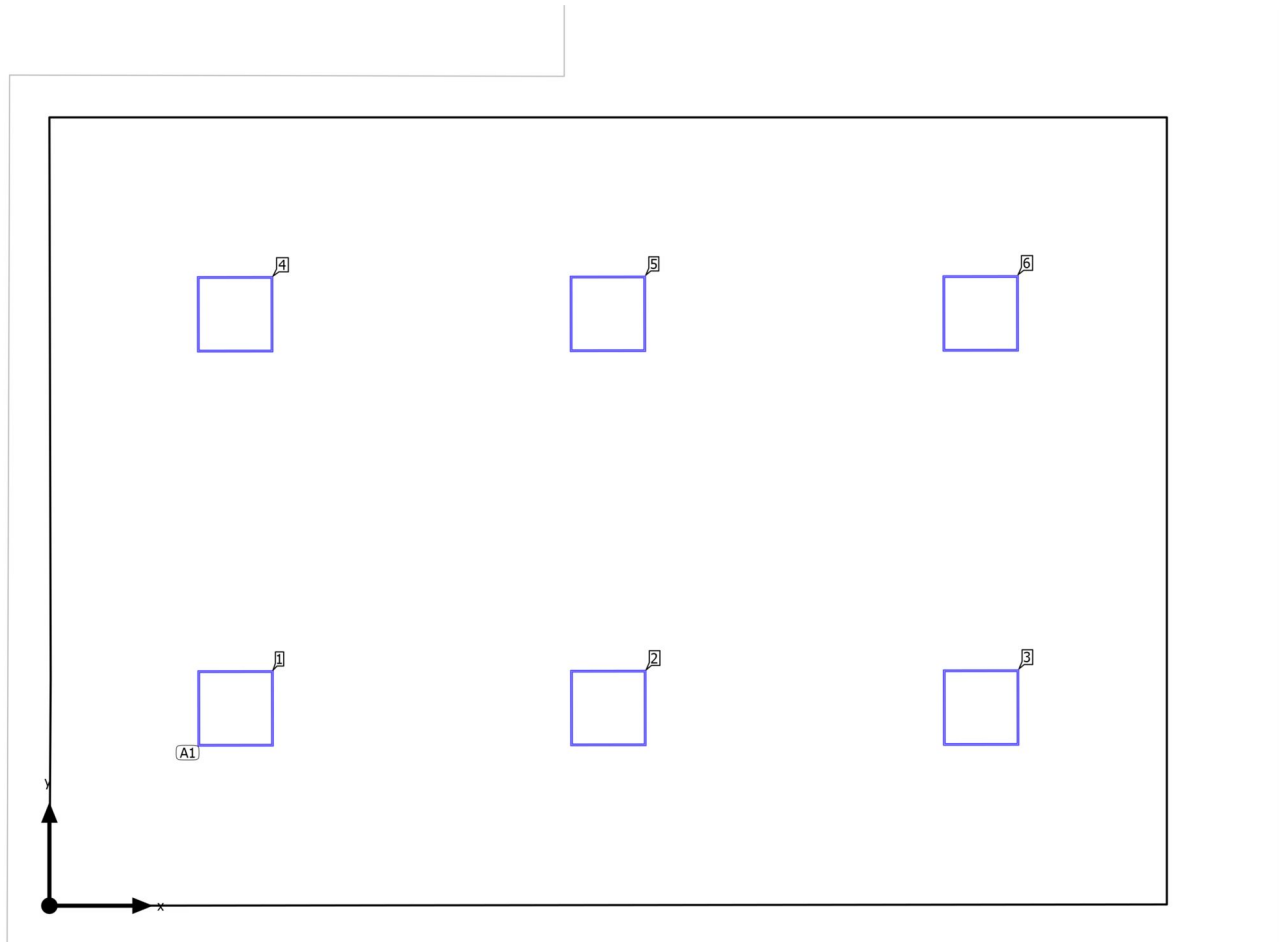
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

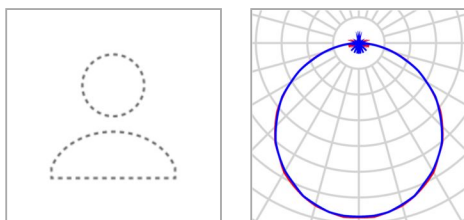
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.474 m / 1.561 m / 2.800 m	1.474 m	1.561 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.951 m	4.424 m	1.565 m	2.800 m	2
Y-direction	2 pcs., Center - center, 3.119 m	7.375 m	1.568 m	2.800 m	3
		1.470 m	4.681 m	2.800 m	4
Arrangement	A1	4.421 m	4.684 m	2.800 m	5
		7.371 m	4.687 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

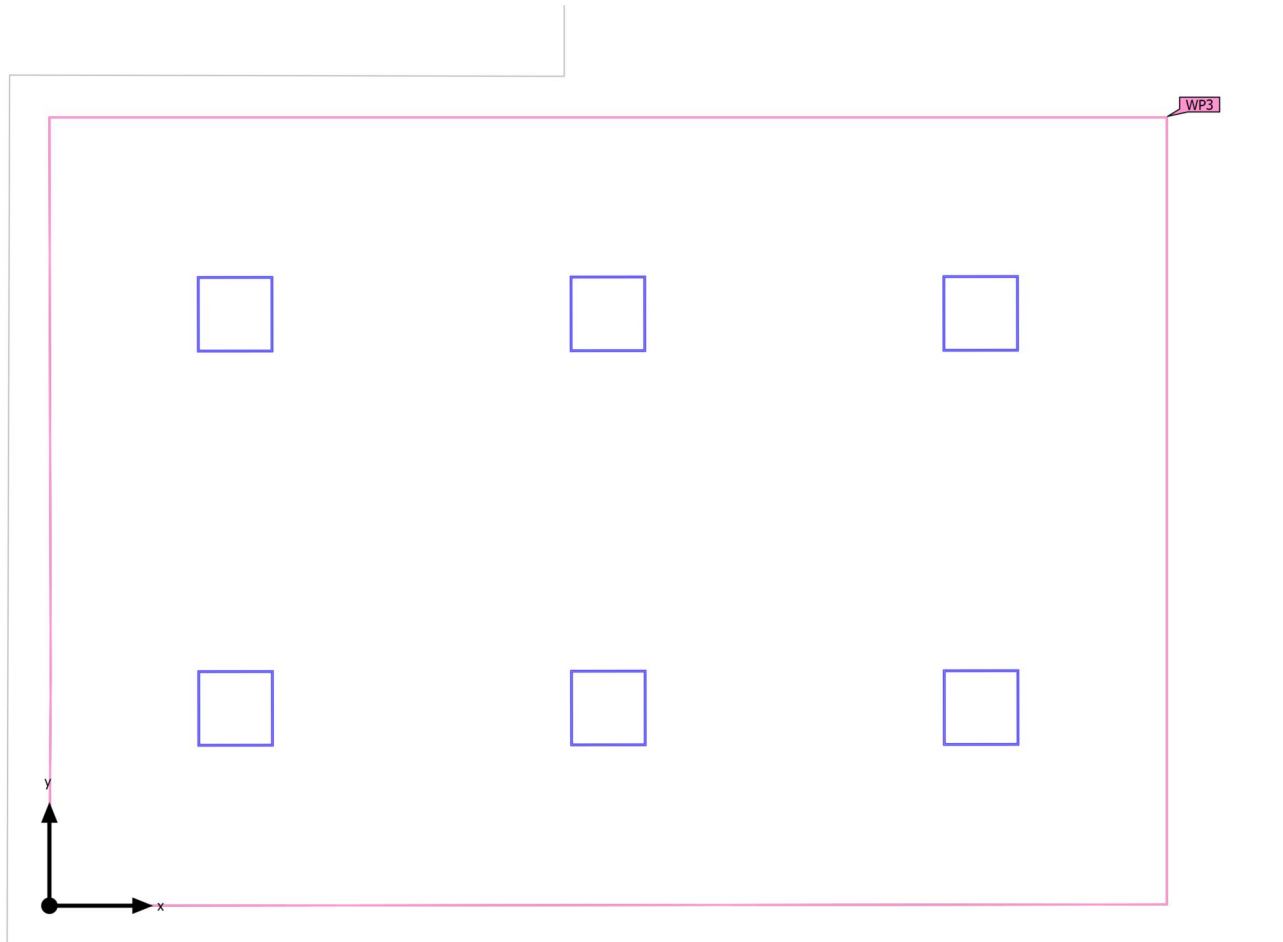
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

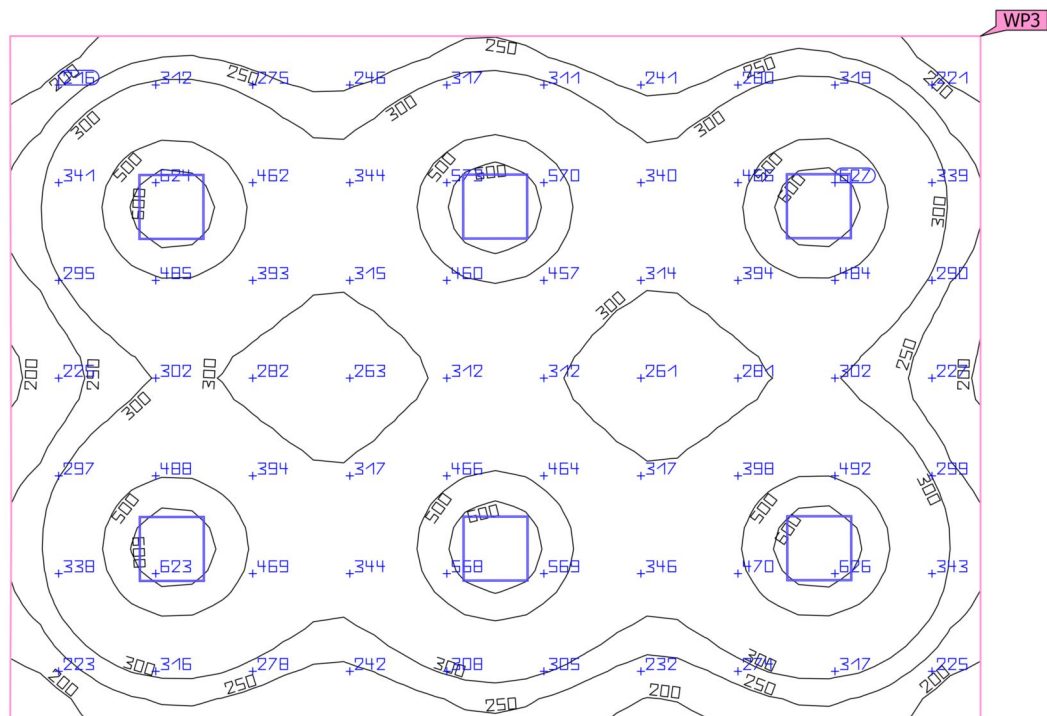
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	362 lx (≥ 300 lx) ✓	160 lx	659 lx	0.44	0.24	WP3

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

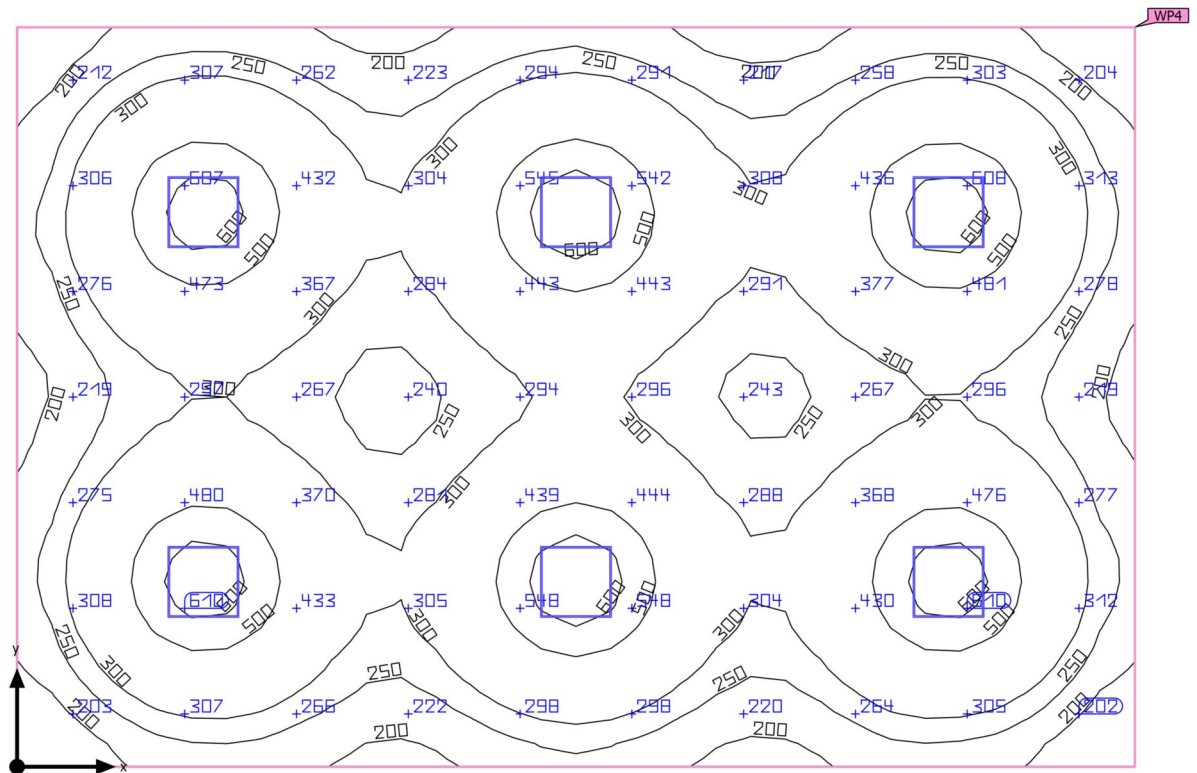
Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	362 lx	160 lx	659 lx	0.44	0.24	WP3
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	342 lx	≥ 300 lx	✓	WP4
	g_1	0.43	-	-	WP4
Consumption values	Consumption	270 kWh/a	max. 2100 kWh/a	✓	
Room	Lighting power density	3.48 W/m ²	-	-	
		1.02 W/m ² /100 lx	-	-	

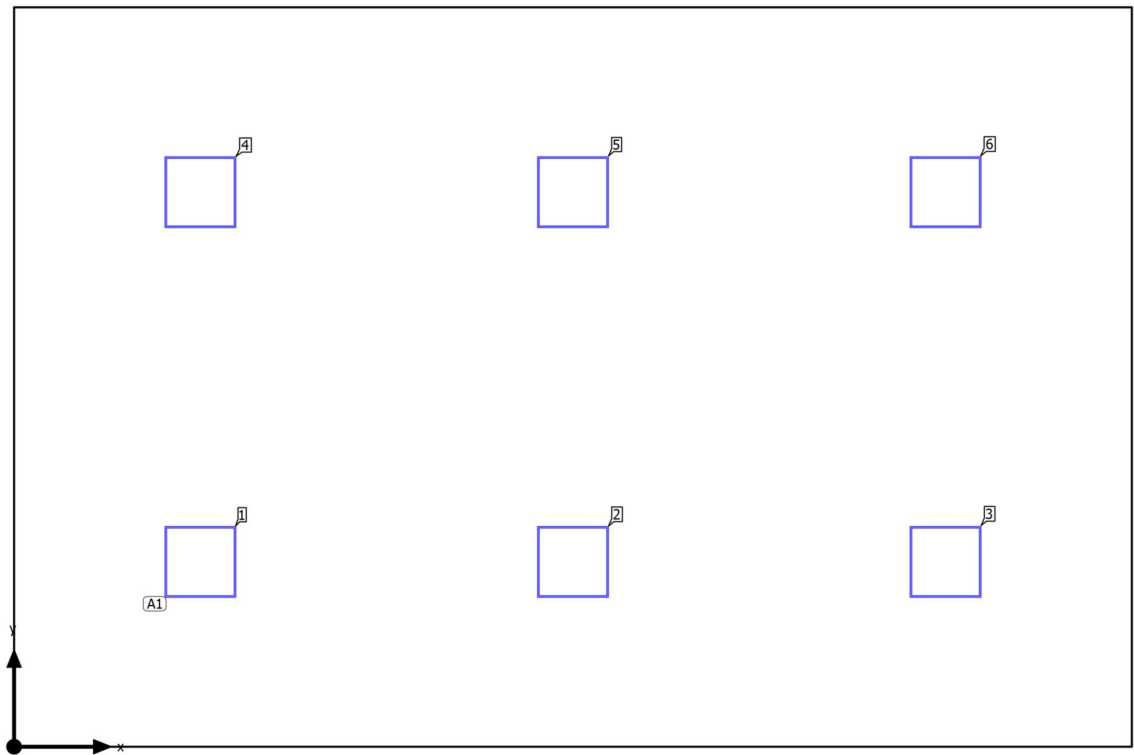
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

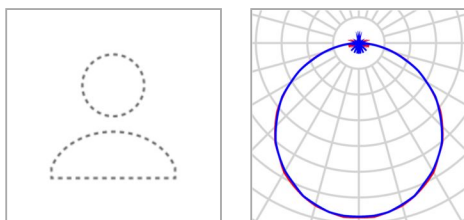
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.569 m / 1.558 m / 2.800 m	1.569 m	1.558 m	2.800 m	1
X-direction	3 pcs., Center - center, 3.138 m	4.707 m	1.558 m	2.800 m	2
Y-direction	2 pcs., Center - center, 3.115 m	7.846 m	1.558 m	2.800 m	3
		1.569 m	4.672 m	2.800 m	4
Arrangement	A1	4.707 m	4.672 m	2.800 m	5
		7.846 m	4.672 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

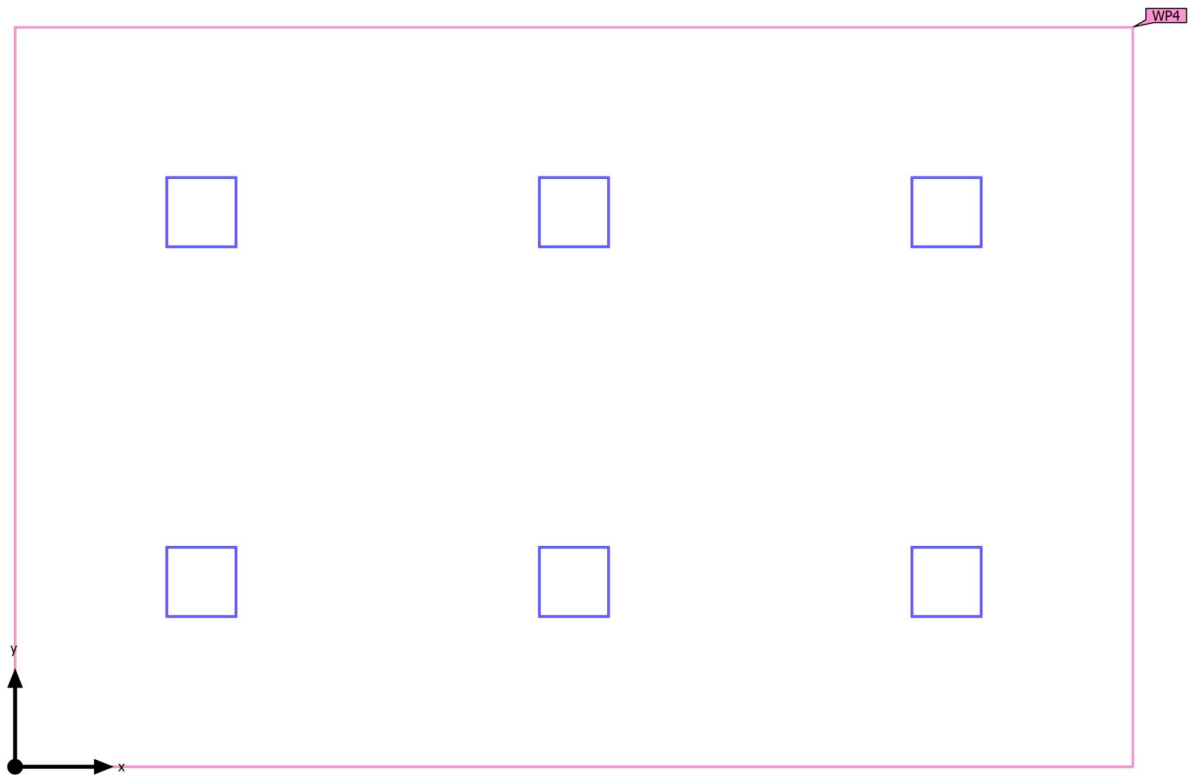
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

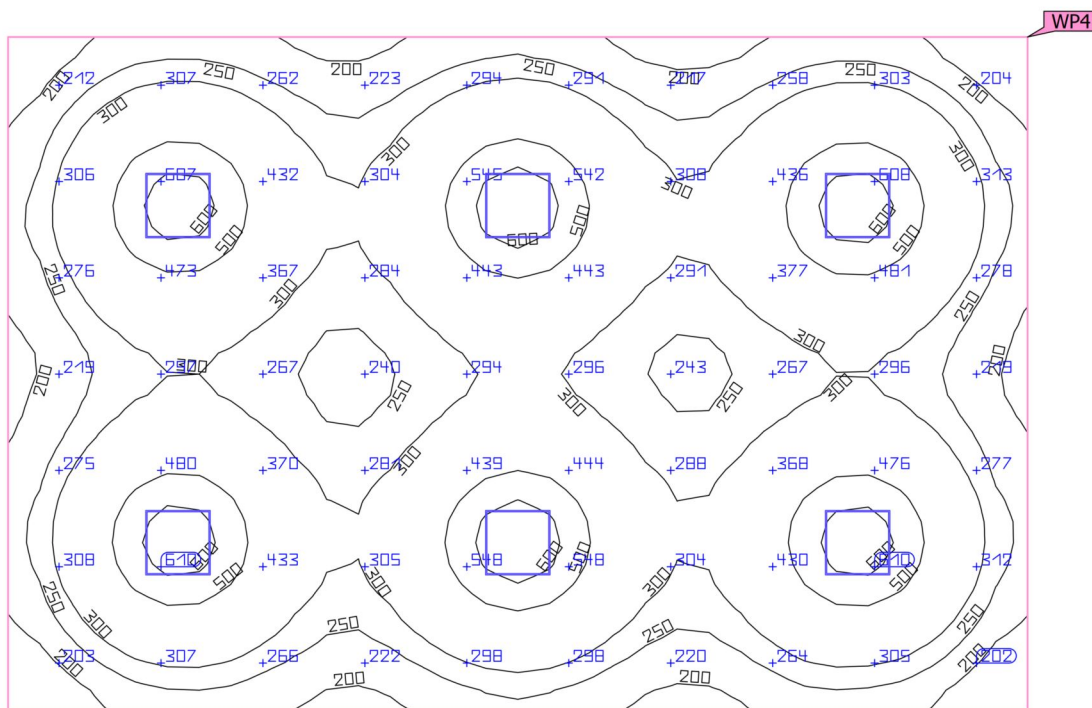
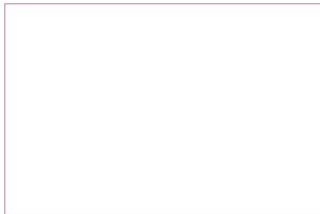
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	342 lx (≥ 300 lx) ✓	148 lx	645 lx	0.43	0.23	WP4

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

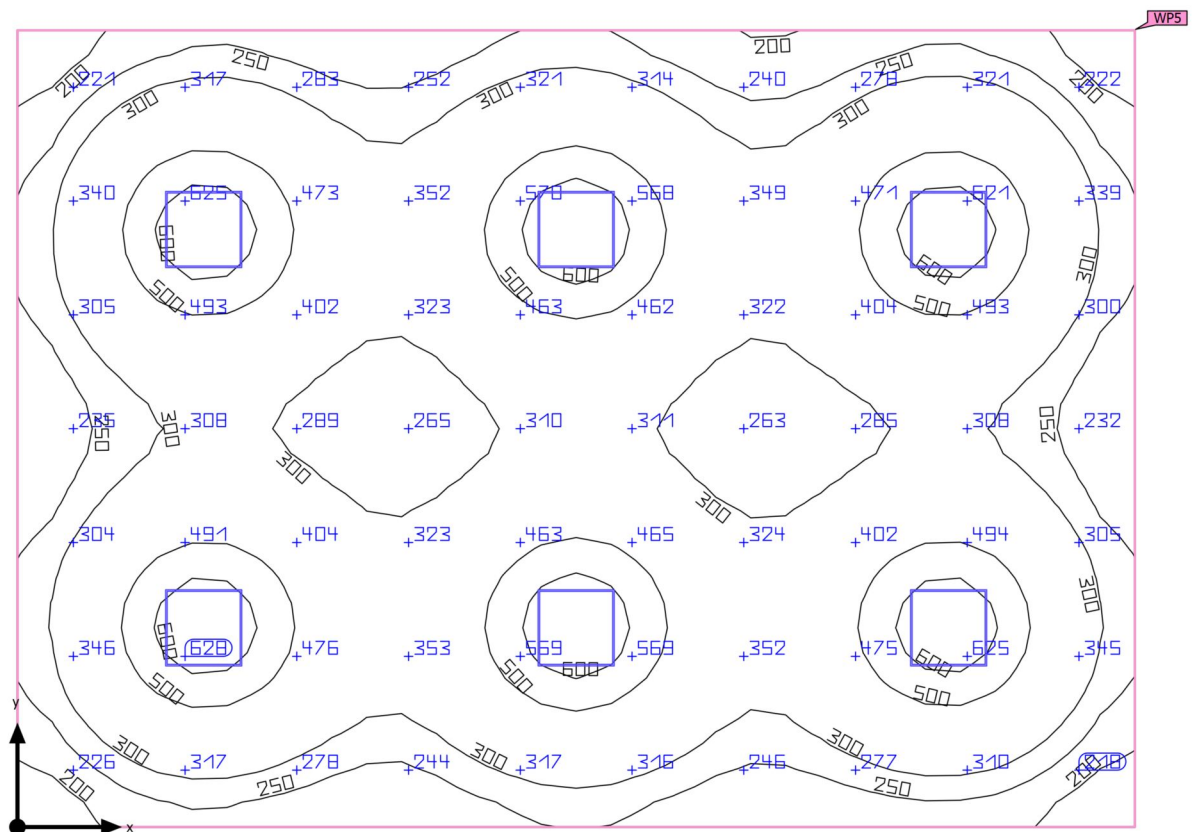
Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	342 lx	148 lx	645 lx	0.43	0.23	WP4
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	366 lx	≥ 300 lx	✓	WP5
	g_1	0.44	-	-	WP5
Consumption values	Consumption	270 kWh/a	max. 1950 kWh/a	✓	
Room	Lighting power density	3.75 W/m ²	-	-	
		1.02 W/m ² /100 lx	-	-	

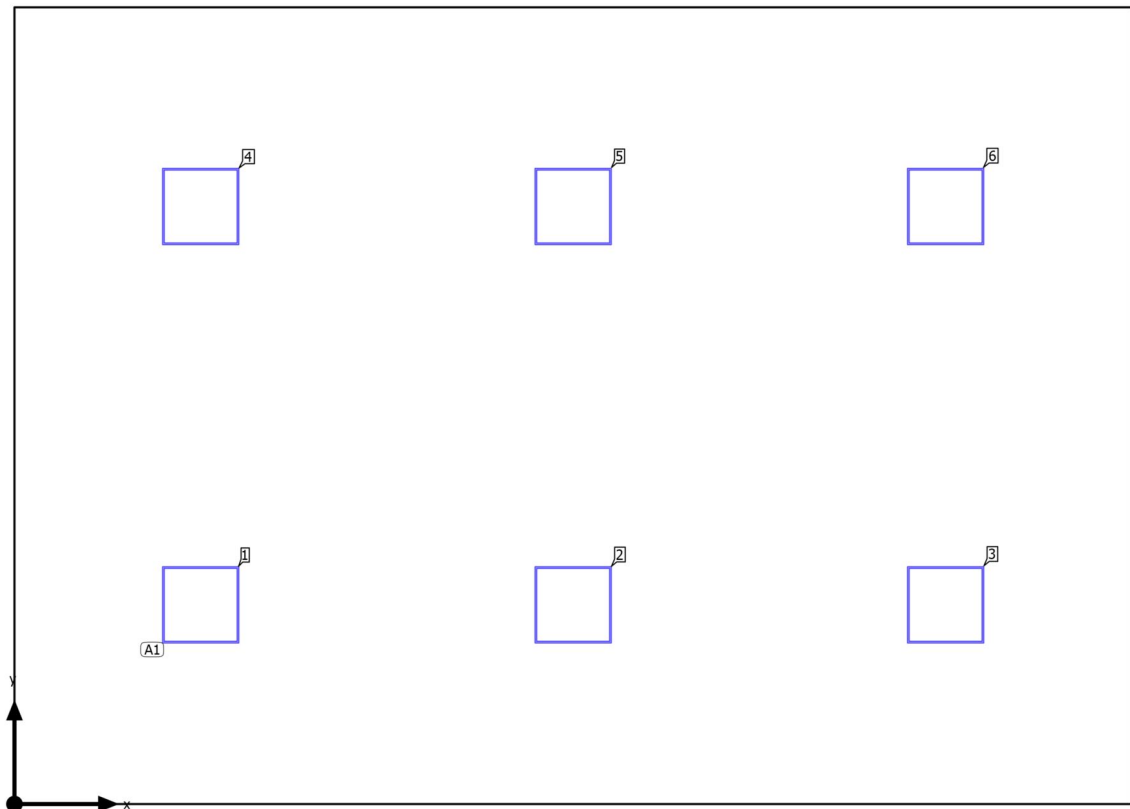
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

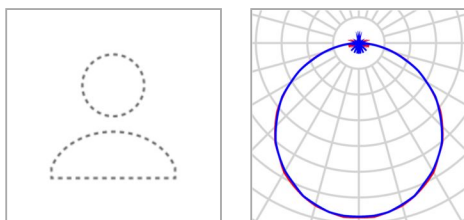
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.456 m / 1.558 m / 2.800 m	1.456 m	1.558 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.912 m	4.368 m	1.558 m	2.800 m	2
Y-direction	2 pcs., Center - center, 3.115 m	7.279 m	1.558 m	2.800 m	3
		1.456 m	4.672 m	2.800 m	4
Arrangement	A1	4.368 m	4.672 m	2.800 m	5
		7.279 m	4.672 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

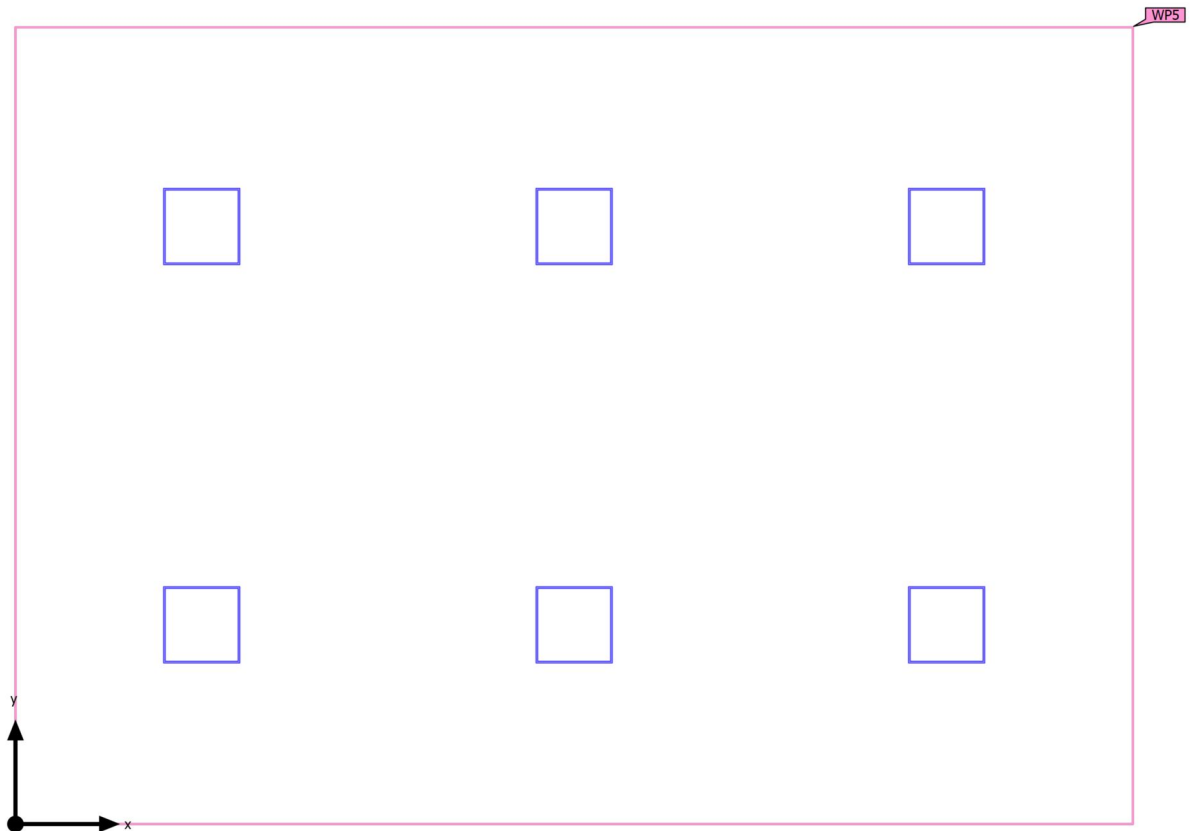
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

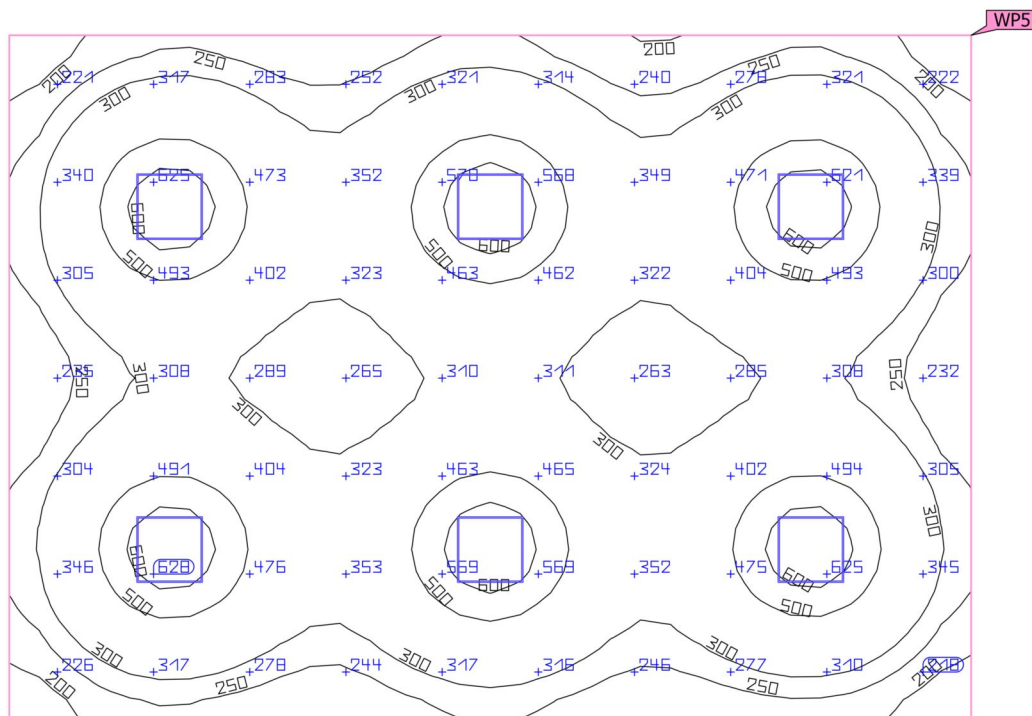
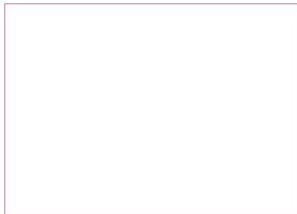
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	366 lx (≥ 300 lx) ✓	160 lx	658 lx	0.44	0.24	WP5

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

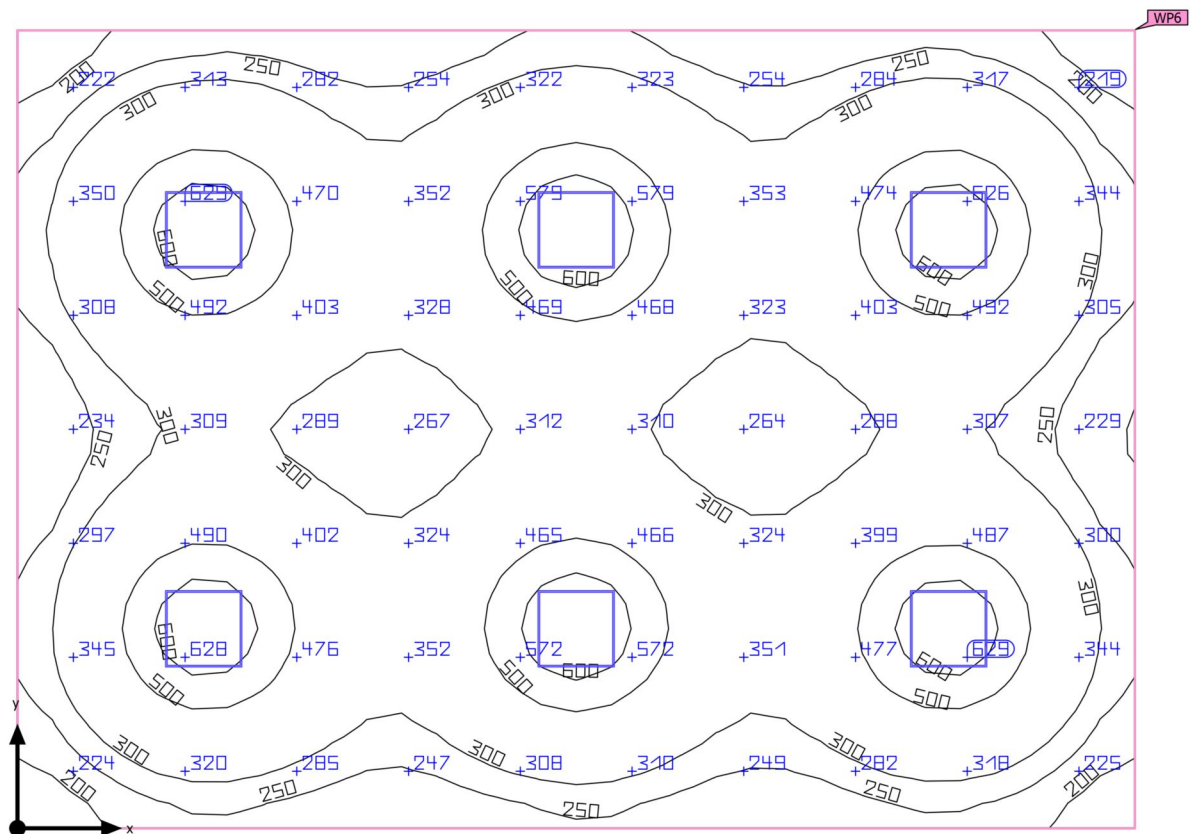
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	366 lx	160 lx	658 lx	0.44	0.24	WP5
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	368 lx	≥ 300 lx	✓	WP6
	g_1	0.45	-	-	WP6
Consumption values	Consumption	270 kWh/a	max. 1950 kWh/a	✓	
Room	Lighting power density	3.75 W/m ²	-	-	
		1.02 W/m ² /100 lx	-	-	

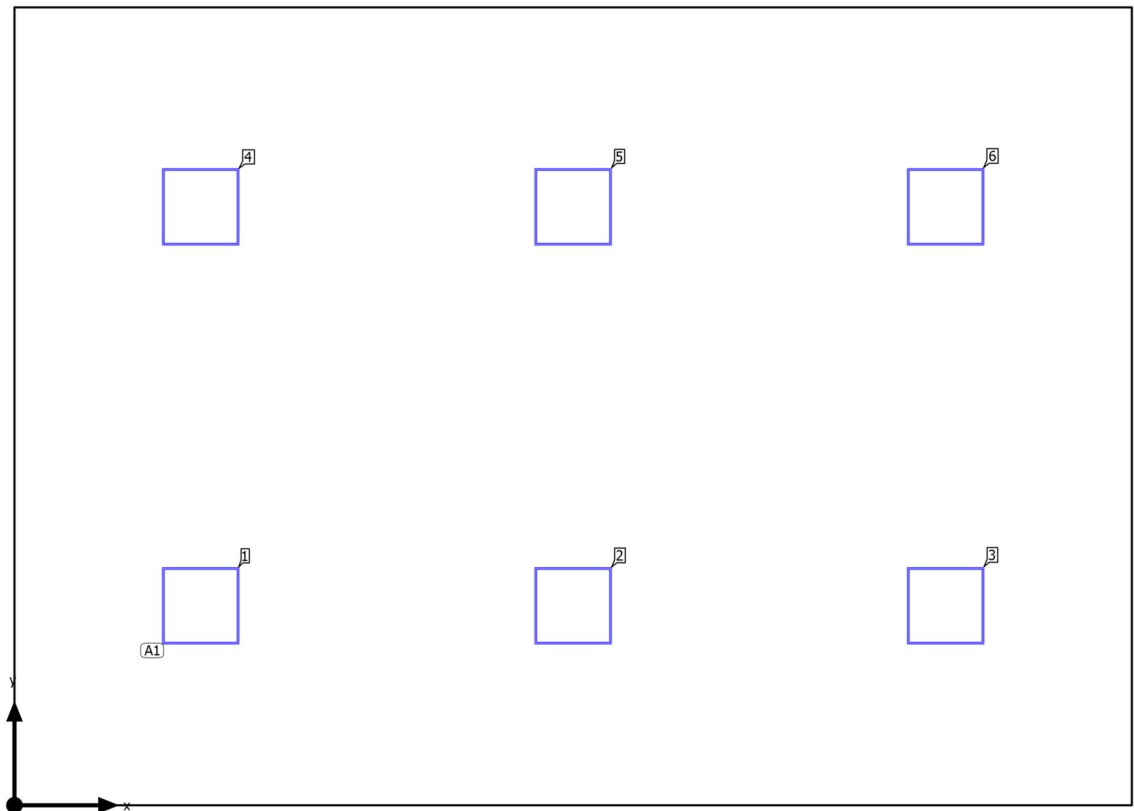
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

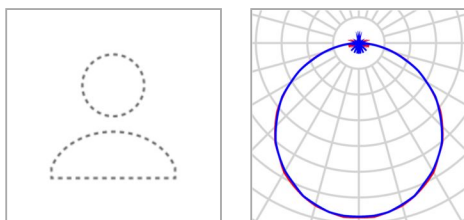
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.454 m / 1.558 m / 2.800 m	1.454 m	1.558 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.908 m	4.363 m	1.558 m	2.800 m	2
Y-direction	2 pcs., Center - center, 3.115 m	7.271 m	1.558 m	2.800 m	3
Arrangement	A1	1.454 m	4.672 m	2.800 m	4
		4.363 m	4.672 m	2.800 m	5
		7.271 m	4.672 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

Luminaire list Φ_{total}

24366 lm

 P_{total}

204.0 W

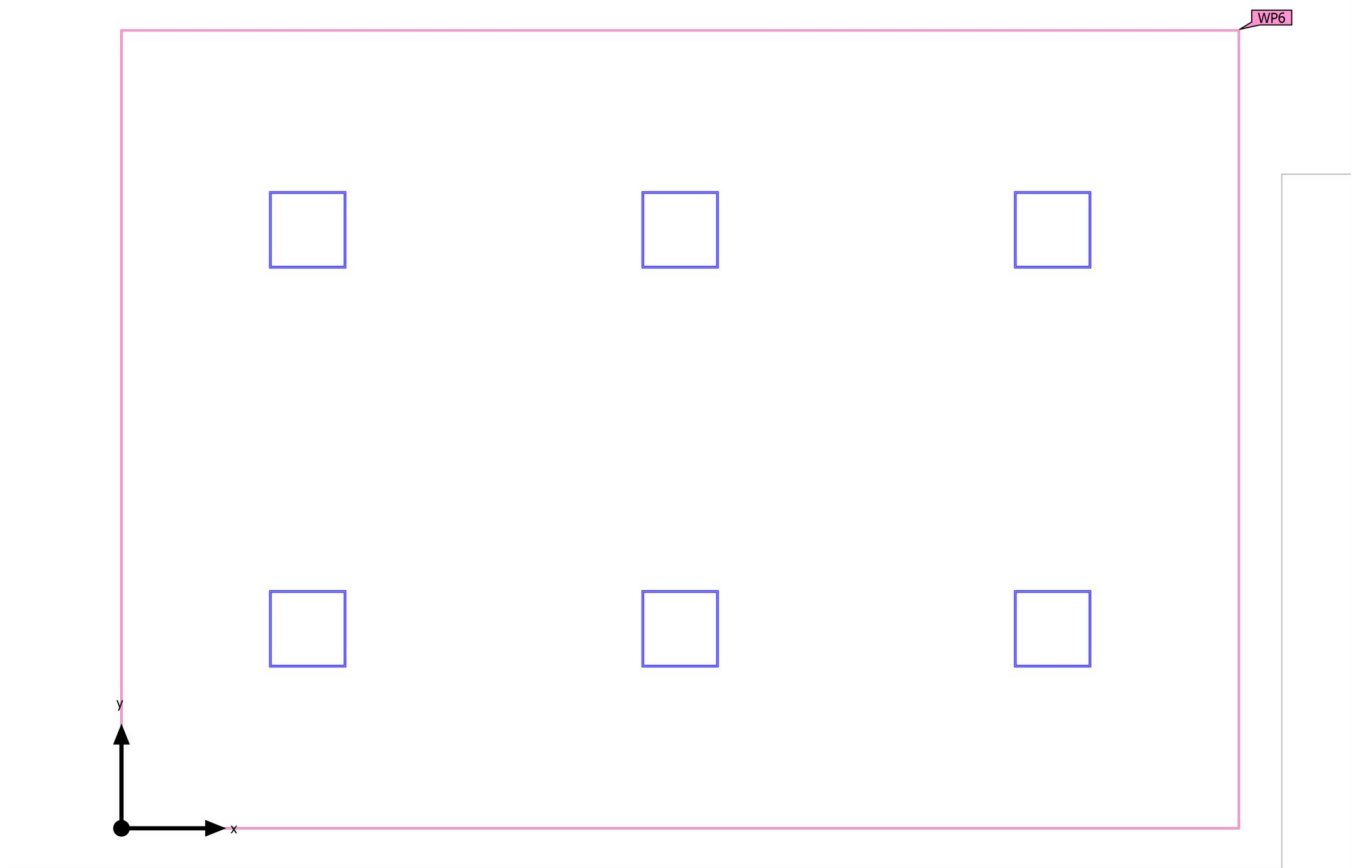
Luminous efficacy

119.4 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

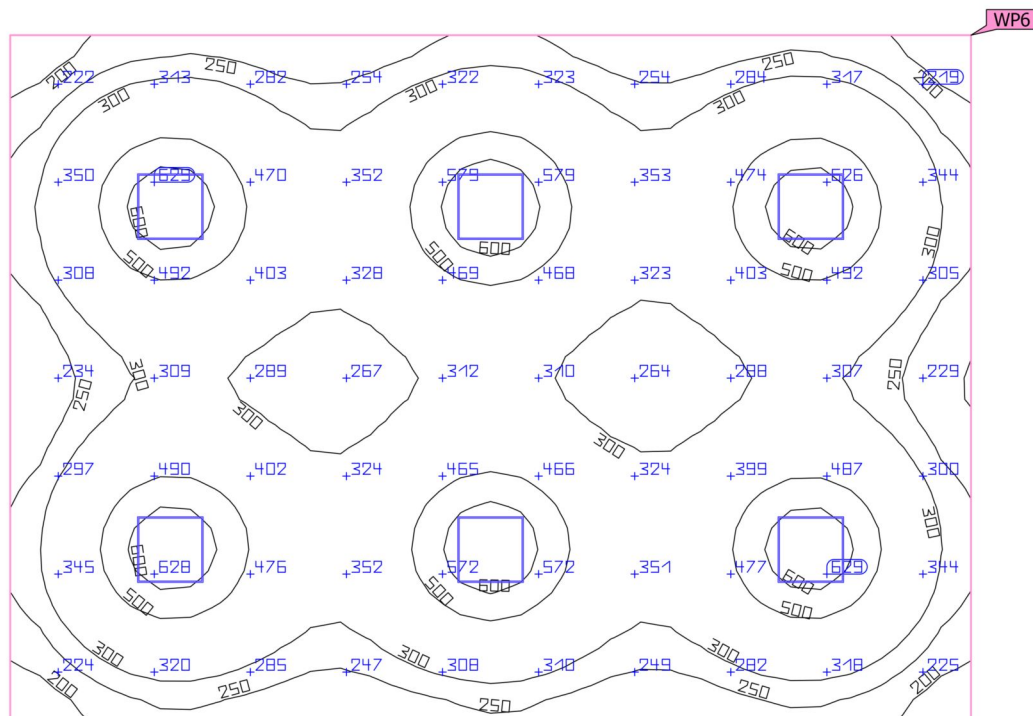
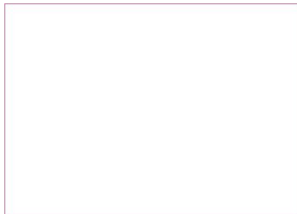
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	368 lx (≥ 300 lx) ✓	164 lx	667 lx	0.45	0.25	WP6

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

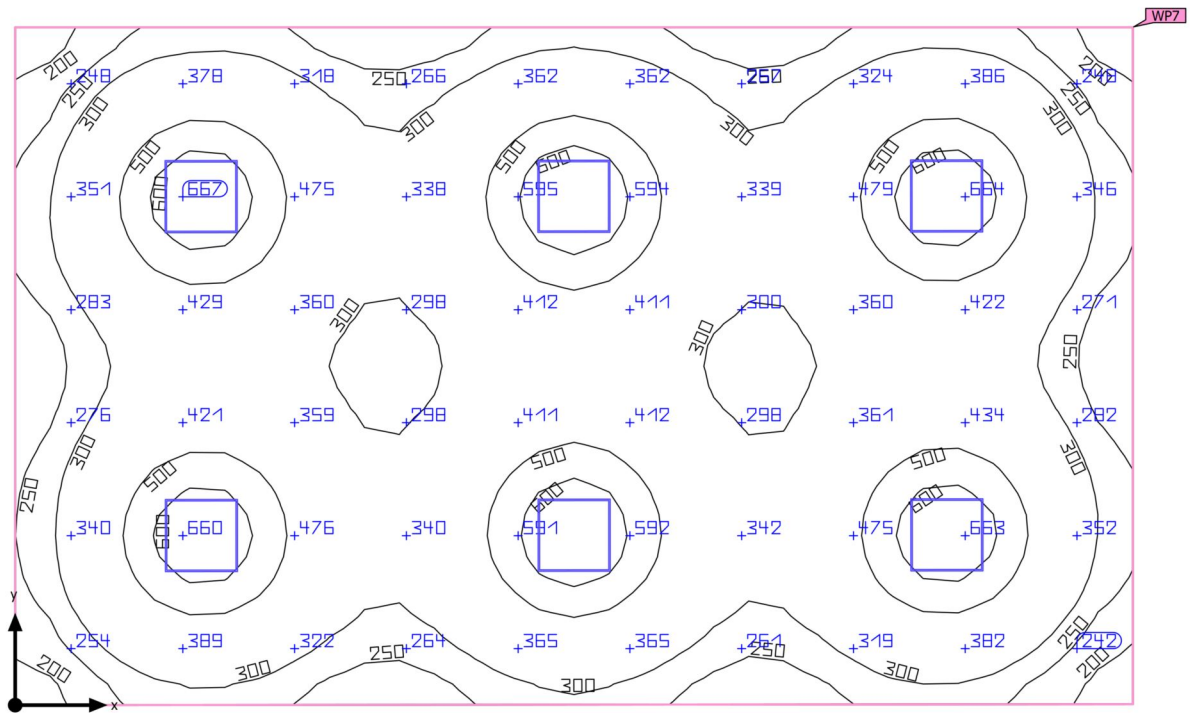
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	368 lx	164 lx	667 lx	0.45	0.25	WP6
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	382 lx	≥ 300 lx	✓	WP7
	g_1	0.46	-	-	WP7
Consumption values	Consumption	270 kWh/a	max. 1850 kWh/a	✓	
Room	Lighting power density	3.96 W/m ²	-	-	
		1.03 W/m ² /100 lx	-	-	

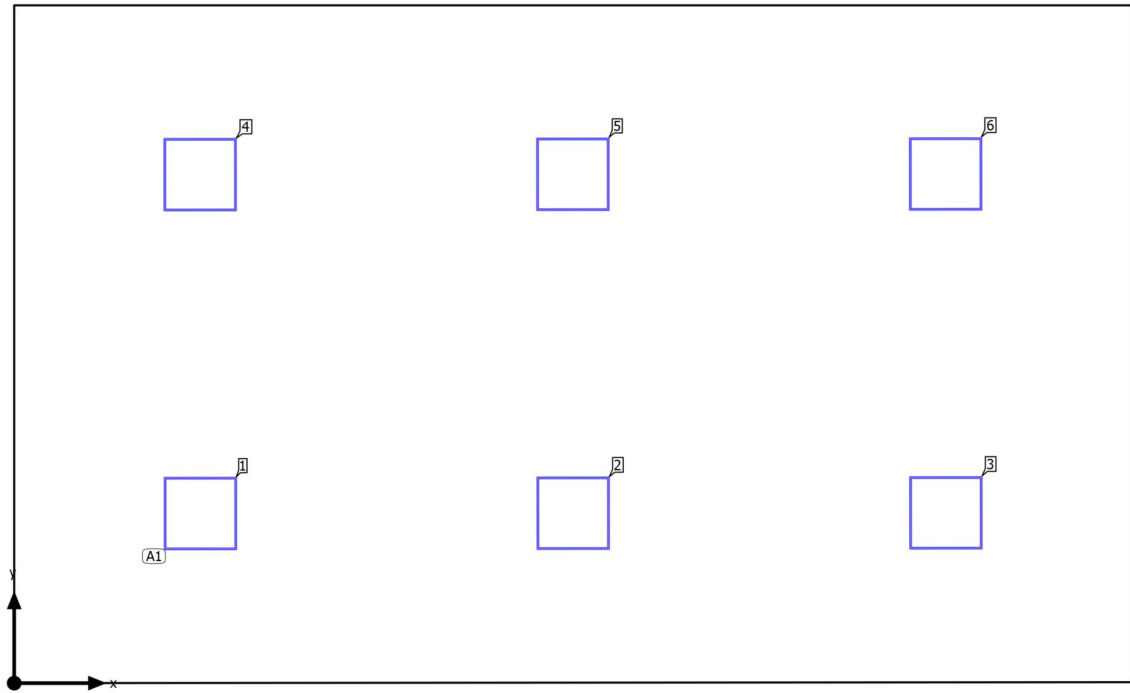
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

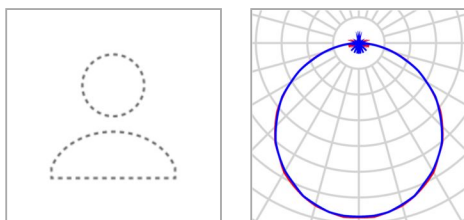
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.537 m / 1.400 m / 2.800 m	1.537 m	1.400 m	2.800 m	1
X-direction	3 pcs., Center - center, 3.077 m	4.614 m	1.403 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.798 m	7.690 m	1.405 m	2.800 m	3
		1.535 m	4.198 m	2.800 m	4
Arrangement	A1	4.611 m	4.200 m	2.800 m	5
		7.688 m	4.203 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

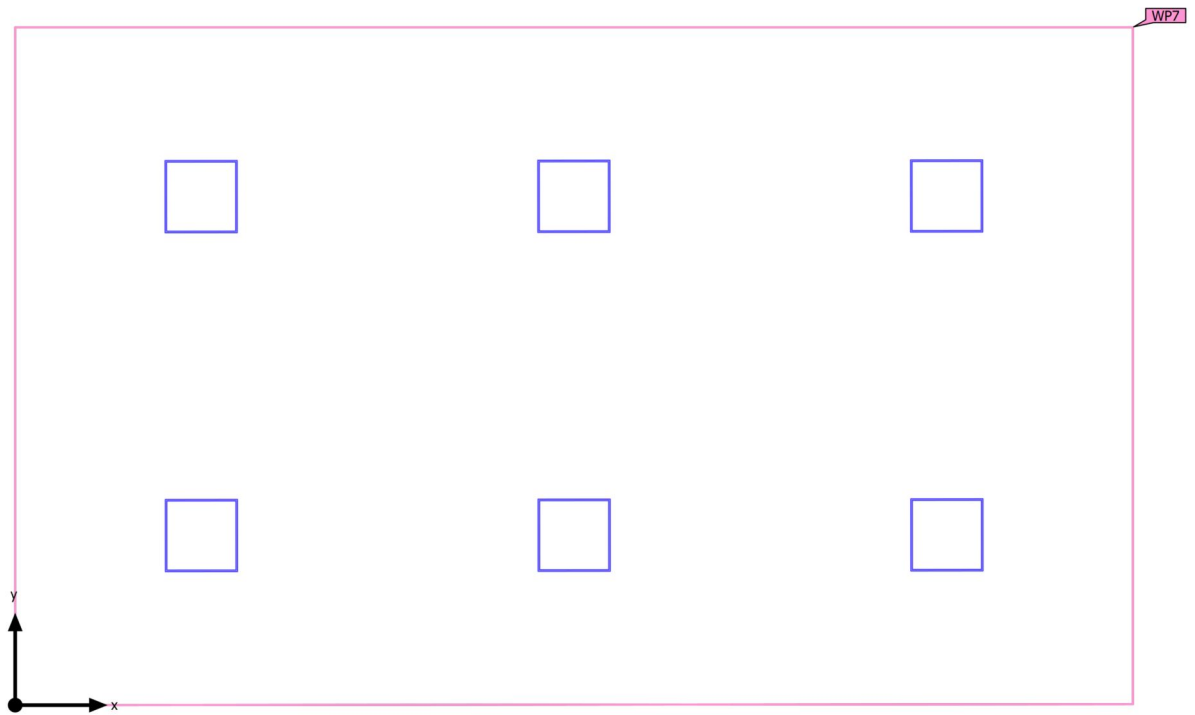
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

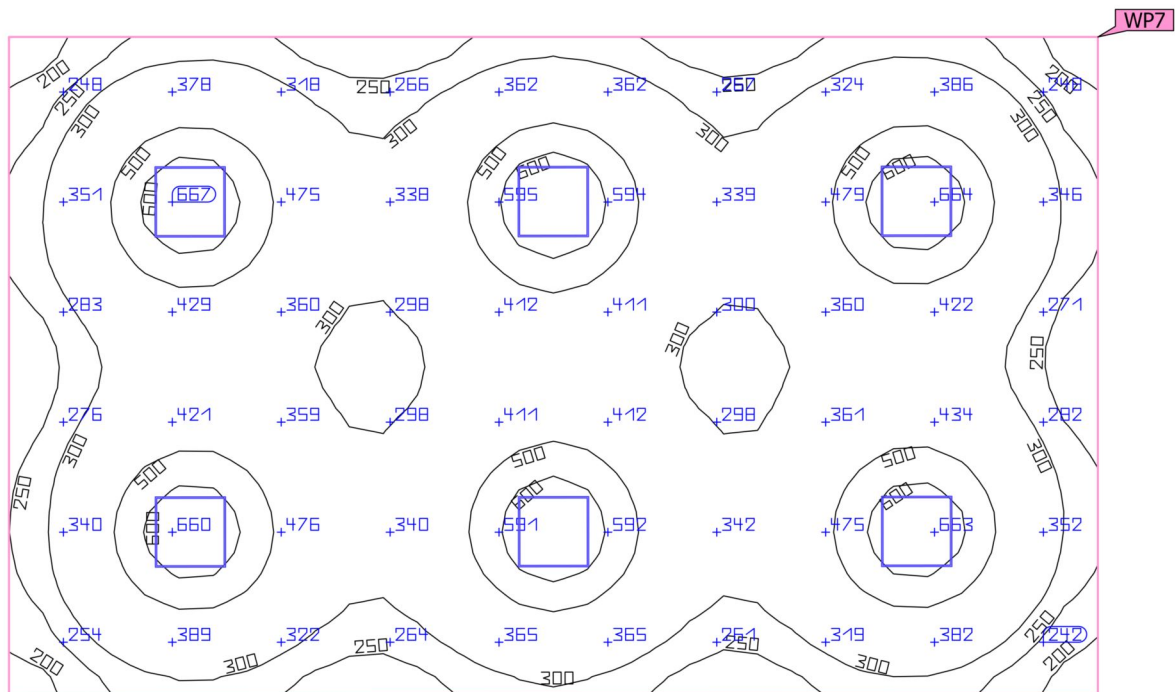
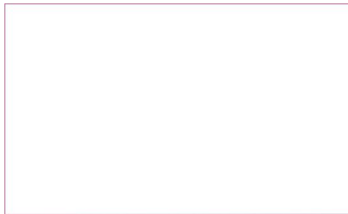
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	382 lx (≥ 300 lx) ✓	176 lx	670 lx	0.46	0.26	WP7

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

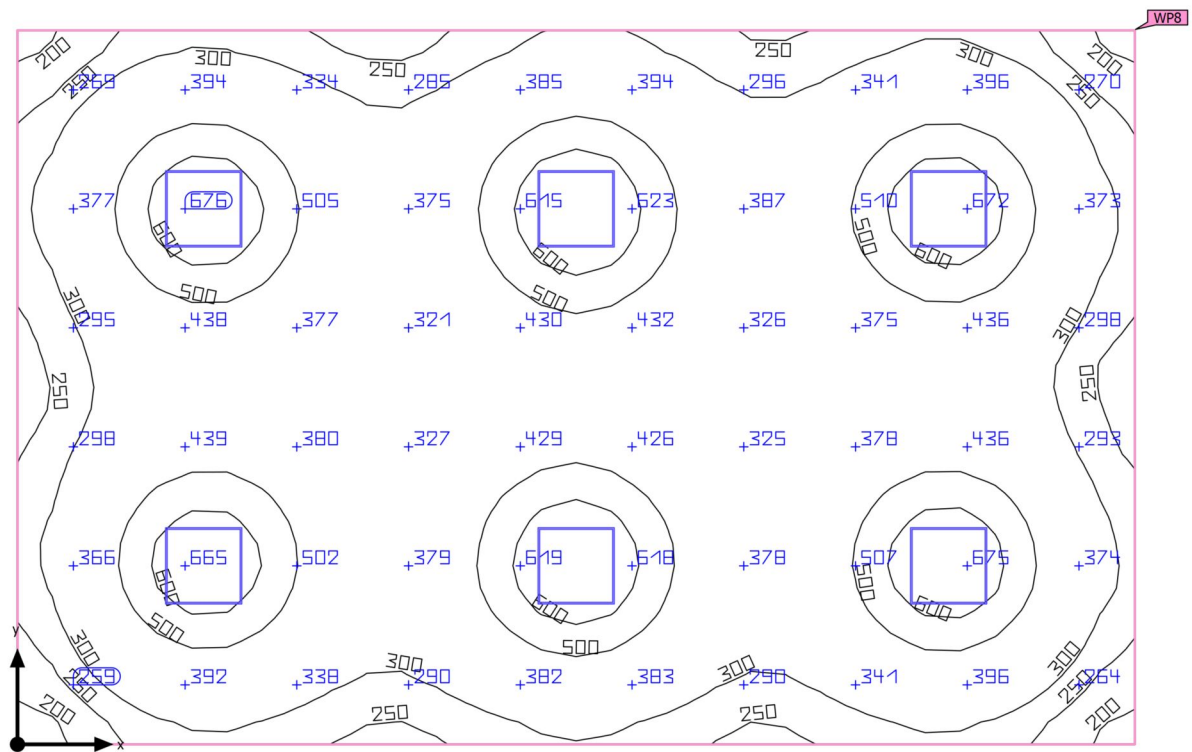
Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	382 lx	176 lx	670 lx	0.46	0.26	WP7
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	403 lx	≥ 300 lx	✓	WP8
	g_1	0.46	-	-	WP8
Consumption values	Consumption	270 kWh/a	max. 1750 kWh/a	✓	
Room	Lighting power density	4.19 W/m ²	-	-	
		1.04 W/m ² /100 lx	-	-	

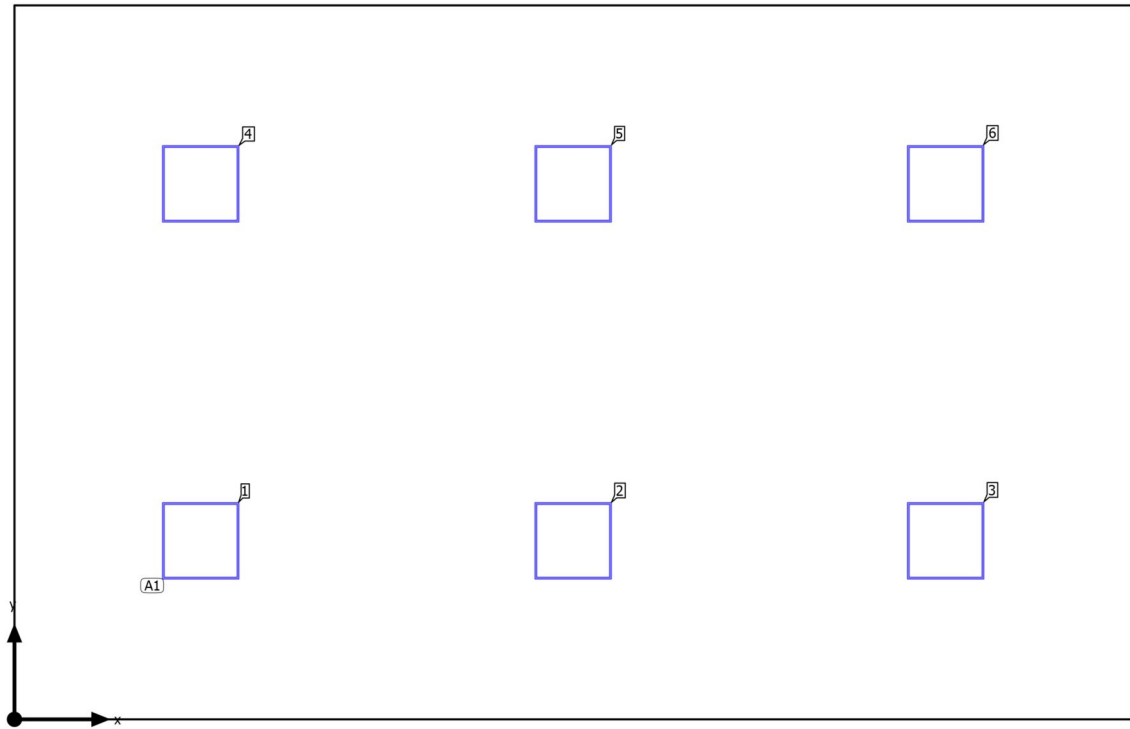
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

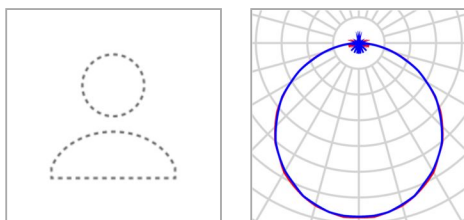
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.455 m / 1.394 m / 2.800 m	1.455 m	1.394 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.910 m	4.365 m	1.394 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.789 m	7.275 m	1.394 m	2.800 m	3
Arrangement	A1	1.455 m	4.183 m	2.800 m	4
		4.365 m	4.183 m	2.800 m	5
		7.275 m	4.183 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

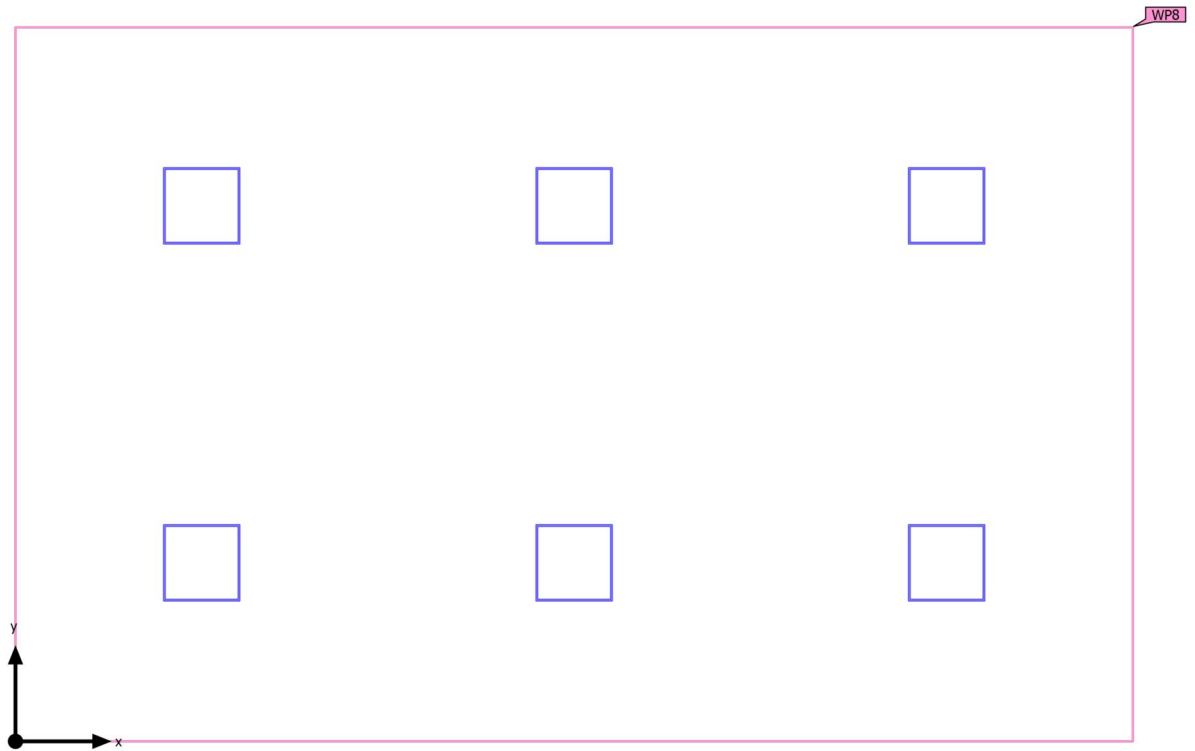
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

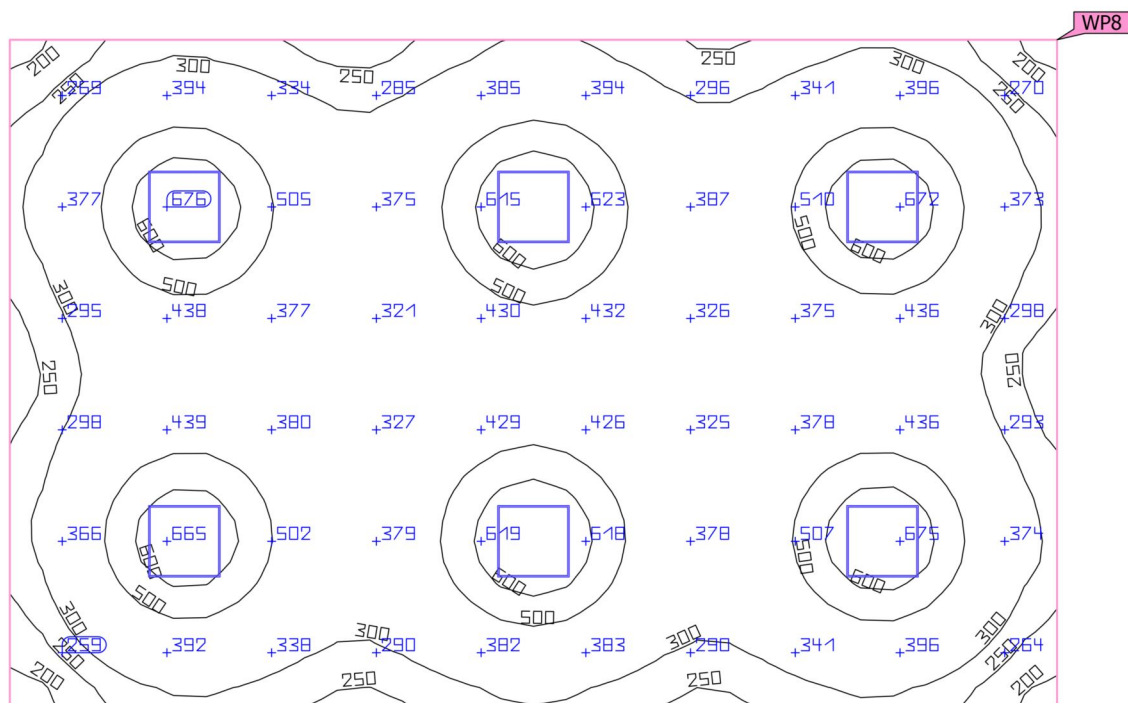
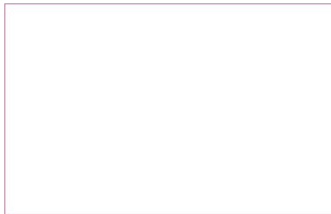
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	403 lx (≥ 300 lx) ✓	184 lx	687 lx	0.46	0.27	WP8

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

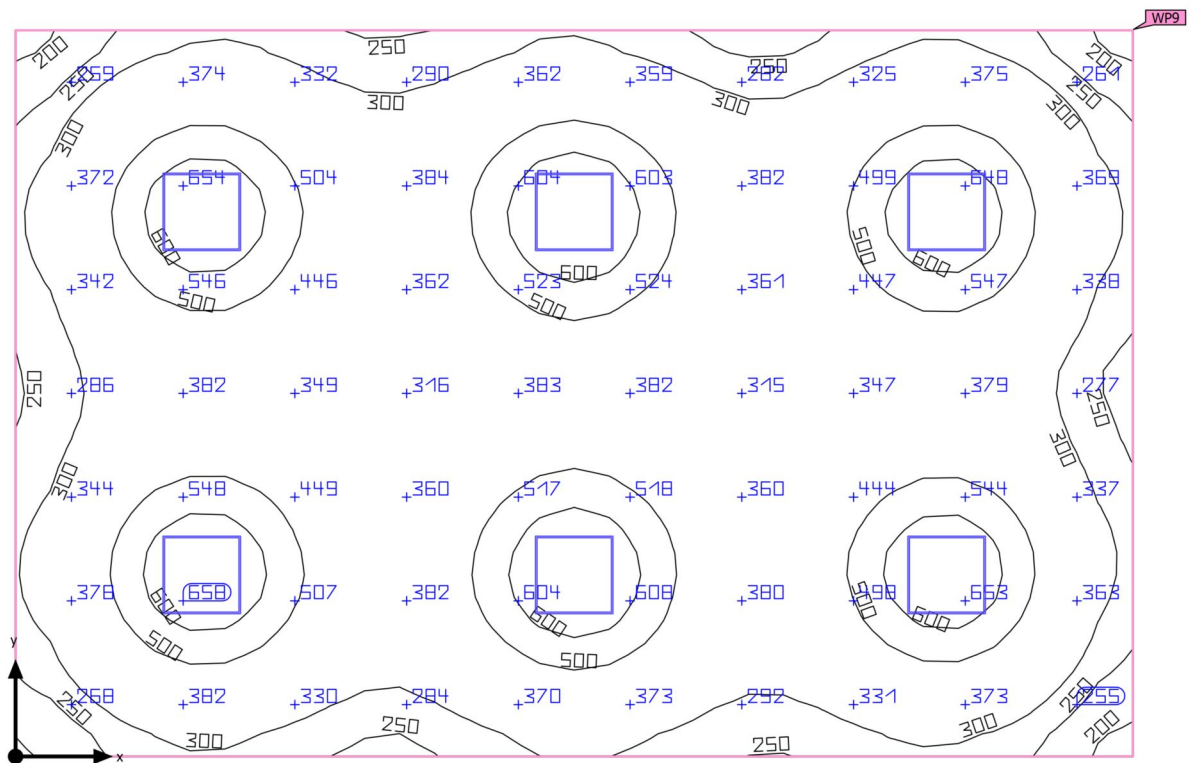
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	403 lx	184 lx	687 lx	0.46	0.27	WP8
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	410 lx	≥ 300 lx	✓	WP9
	g_1	0.47	-	-	WP9
Consumption values	Consumption	270 kWh/a	max. 1700 kWh/a	✓	
Room	Lighting power density	4.26 W/m ²	-	-	
		1.04 W/m ² /100 lx	-	-	

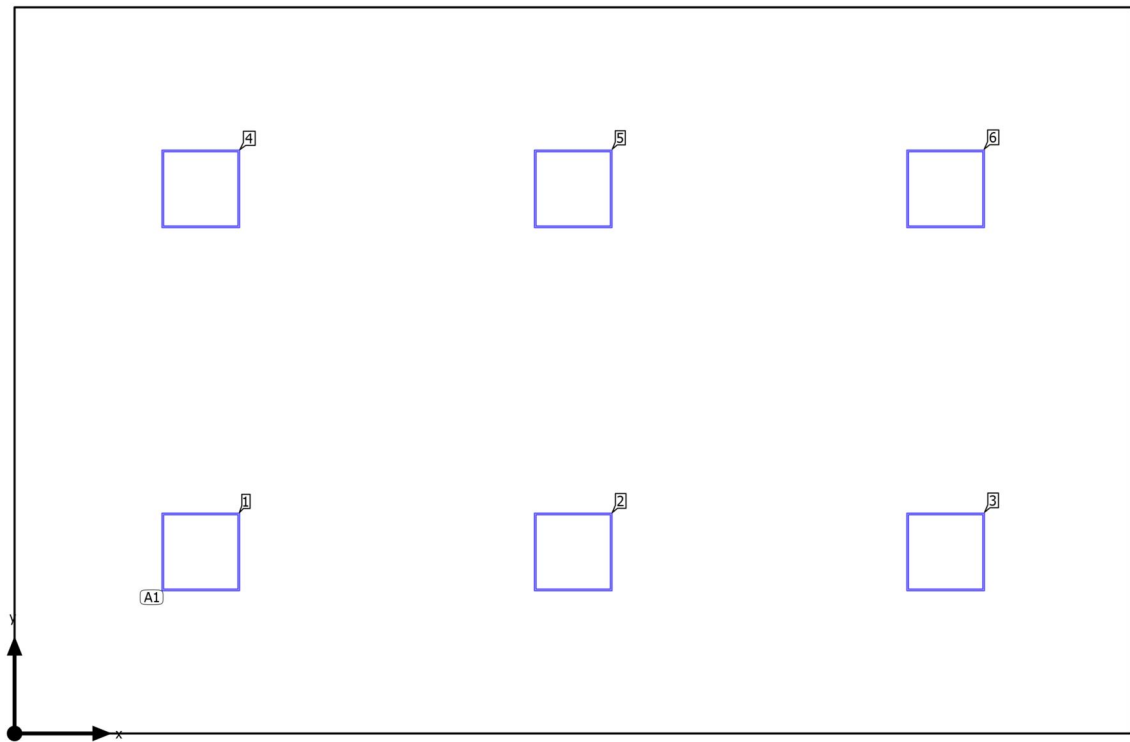
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

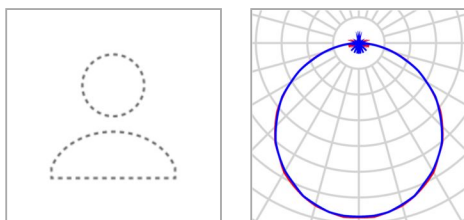
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.430 m / 1.394 m / 2.800 m	1.430 m	1.394 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.860 m	4.290 m	1.394 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.789 m	7.150 m	1.394 m	2.800 m	3
Arrangement	A1	1.430 m	4.183 m	2.800 m	4
		4.290 m	4.183 m	2.800 m	5
		7.150 m	4.183 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

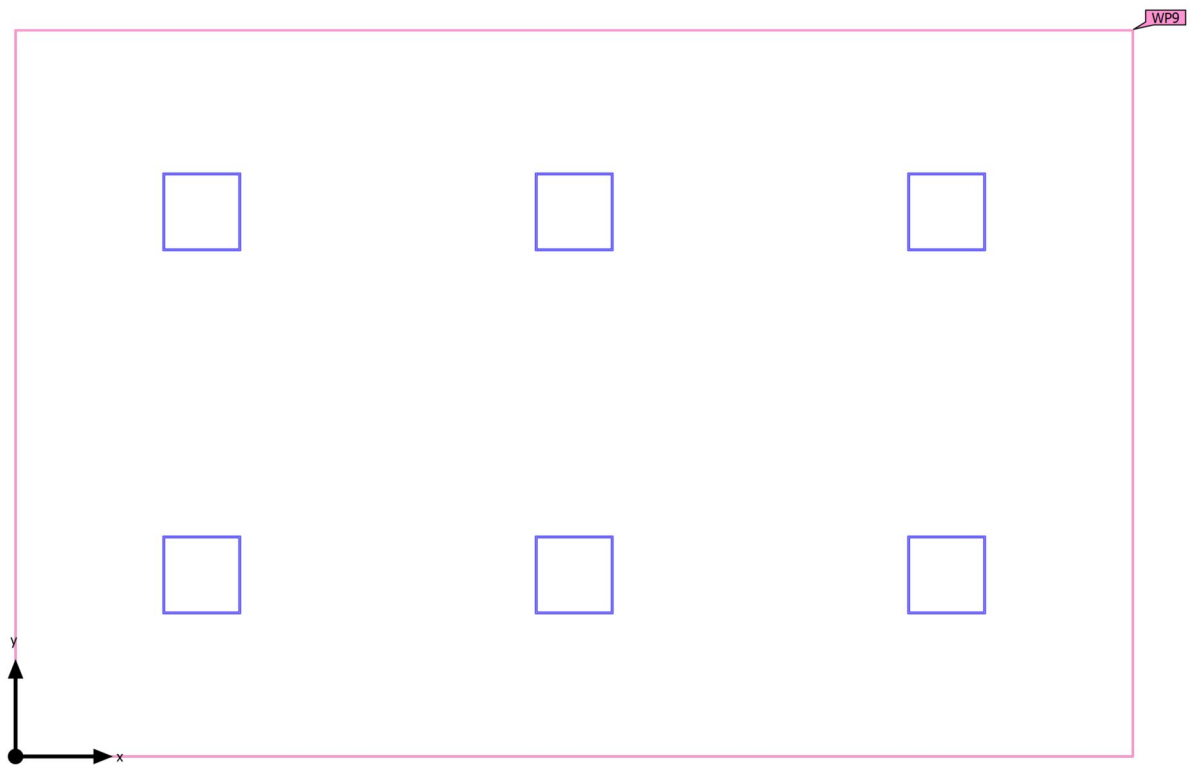
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

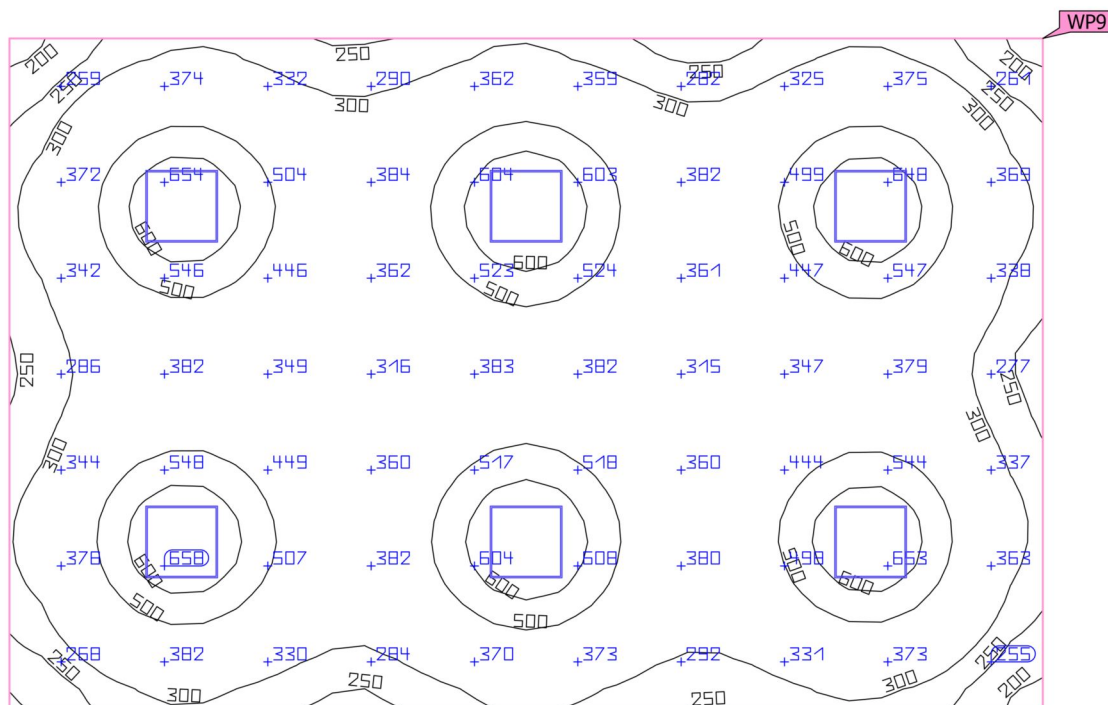
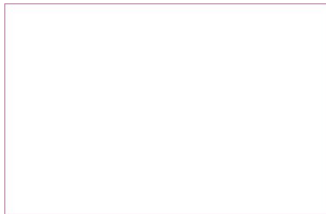
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	410 lx (≥ 300 lx) ✓	192 lx	692 lx	0.47	0.28	WP9

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

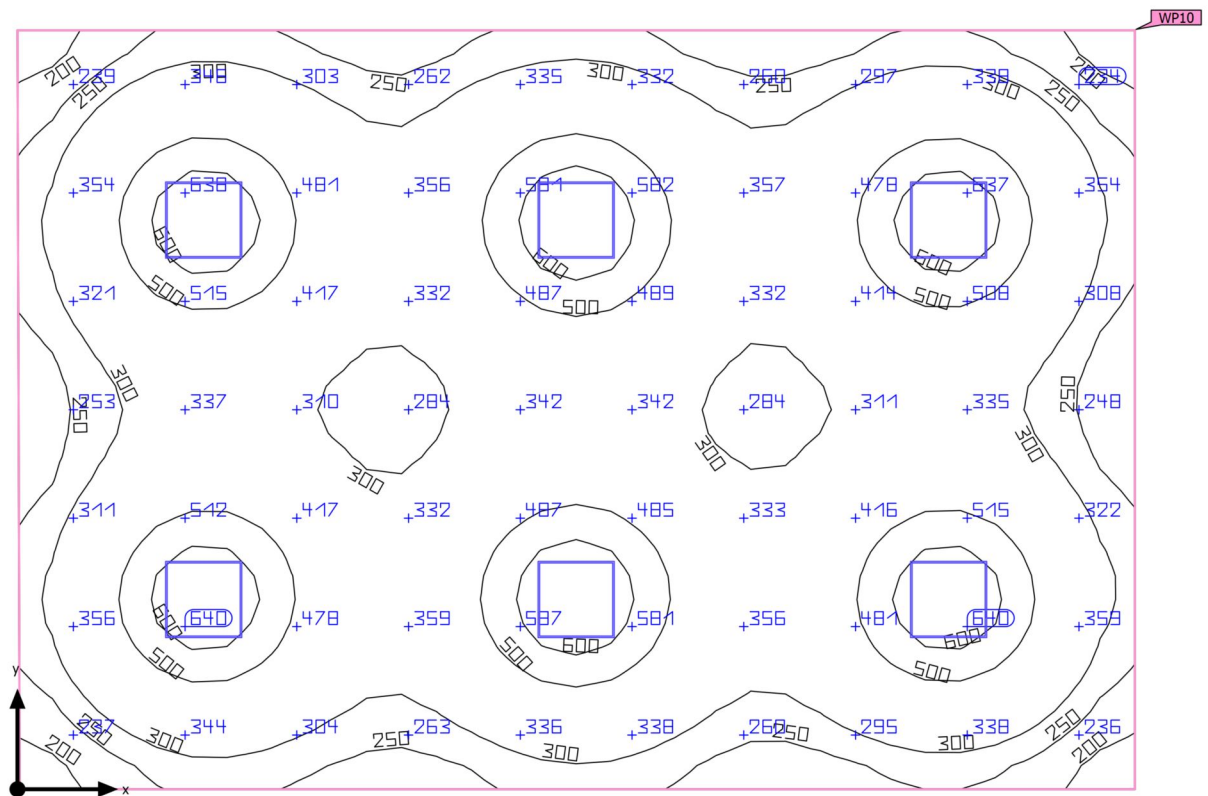
Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	410 lx	192 lx	692 lx	0.47	0.28	WP9
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	383 lx	≥ 300 lx	✓	WP10
	g_1	0.45	-	-	WP10
Consumption values	Consumption	270 kWh/a	max. 1850 kWh/a	✓	
Room	Lighting power density	3.94 W/m ²	-	-	
		1.03 W/m ² /100 lx	-	-	

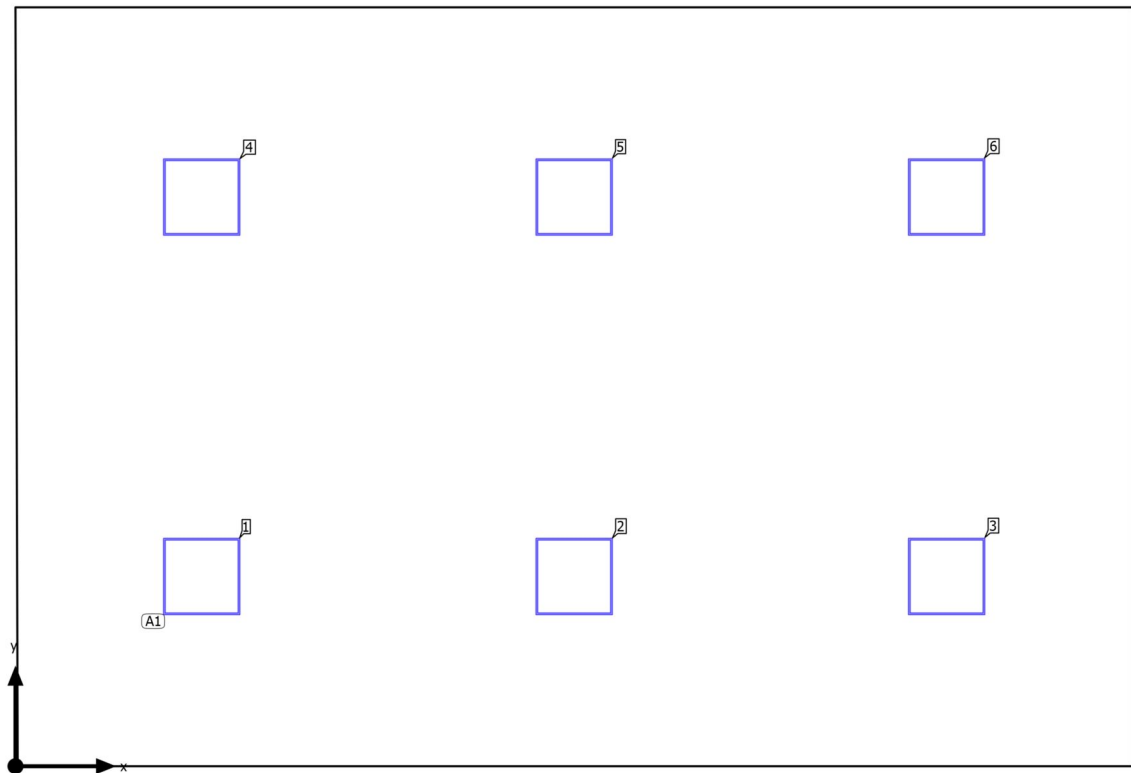
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

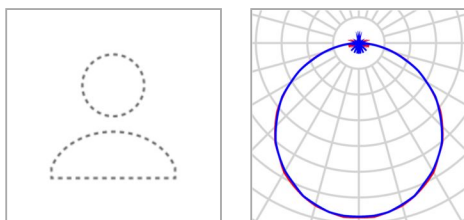
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.455 m / 1.483 m / 2.800 m	1.455 m	1.483 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.910 m	4.365 m	1.483 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.965 m	7.275 m	1.483 m	2.800 m	3
		1.455 m	4.447 m	2.800 m	4
Arrangement	A1	4.365 m	4.447 m	2.800 m	5
		7.275 m	4.447 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

Luminaire list Φ_{total}

24366 lm

 P_{total}

204.0 W

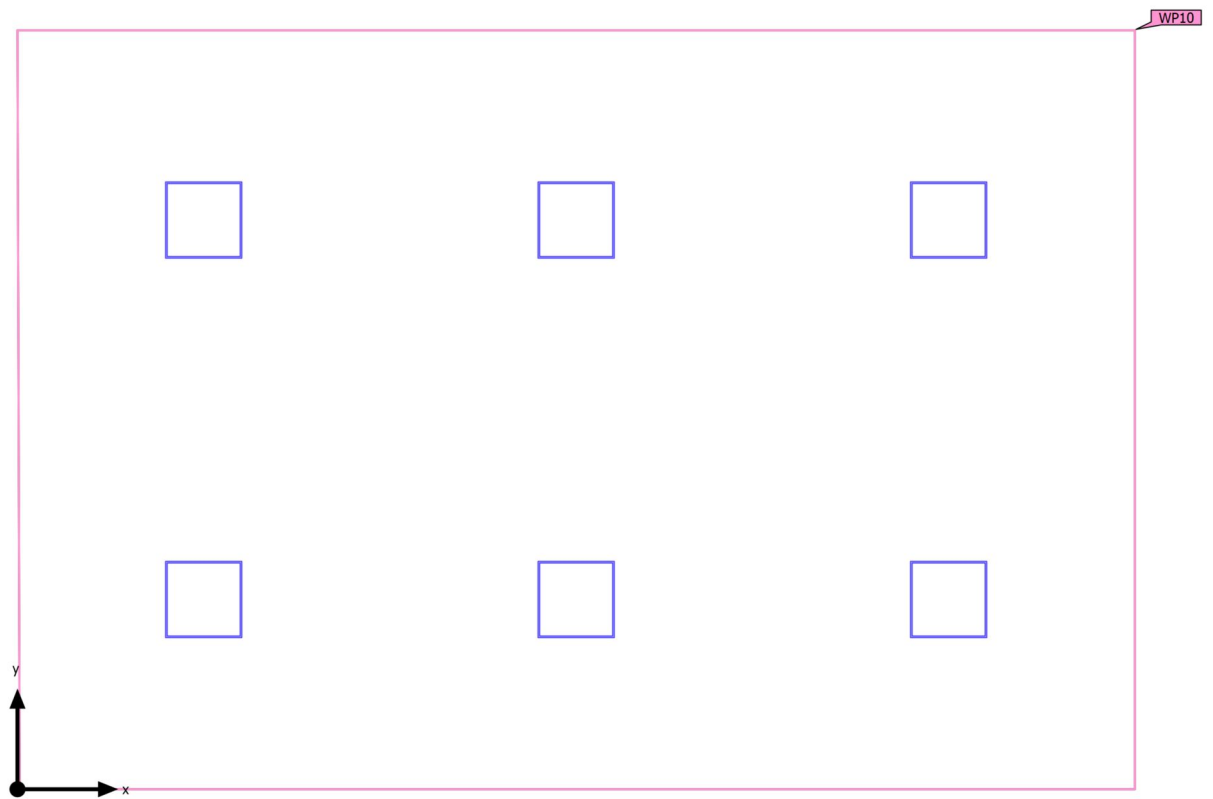
Luminous efficacy

119.4 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

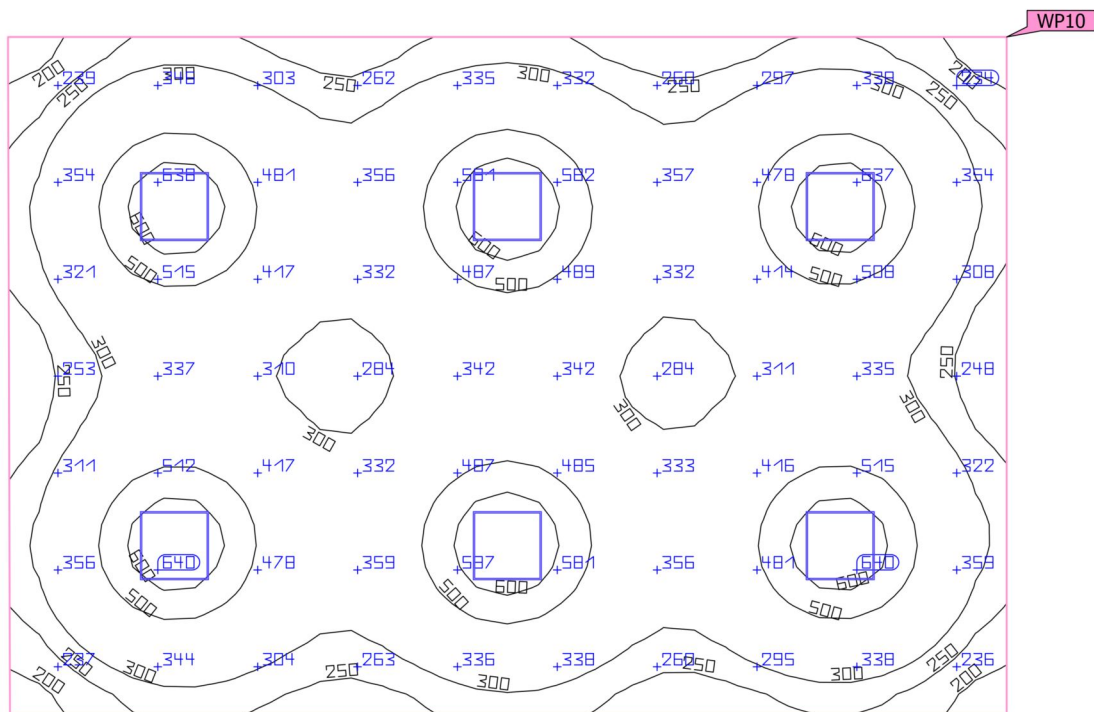
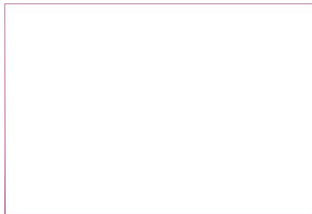
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	383 lx (≥ 300 lx) ✓	174 lx	672 lx	0.45	0.26	WP10

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

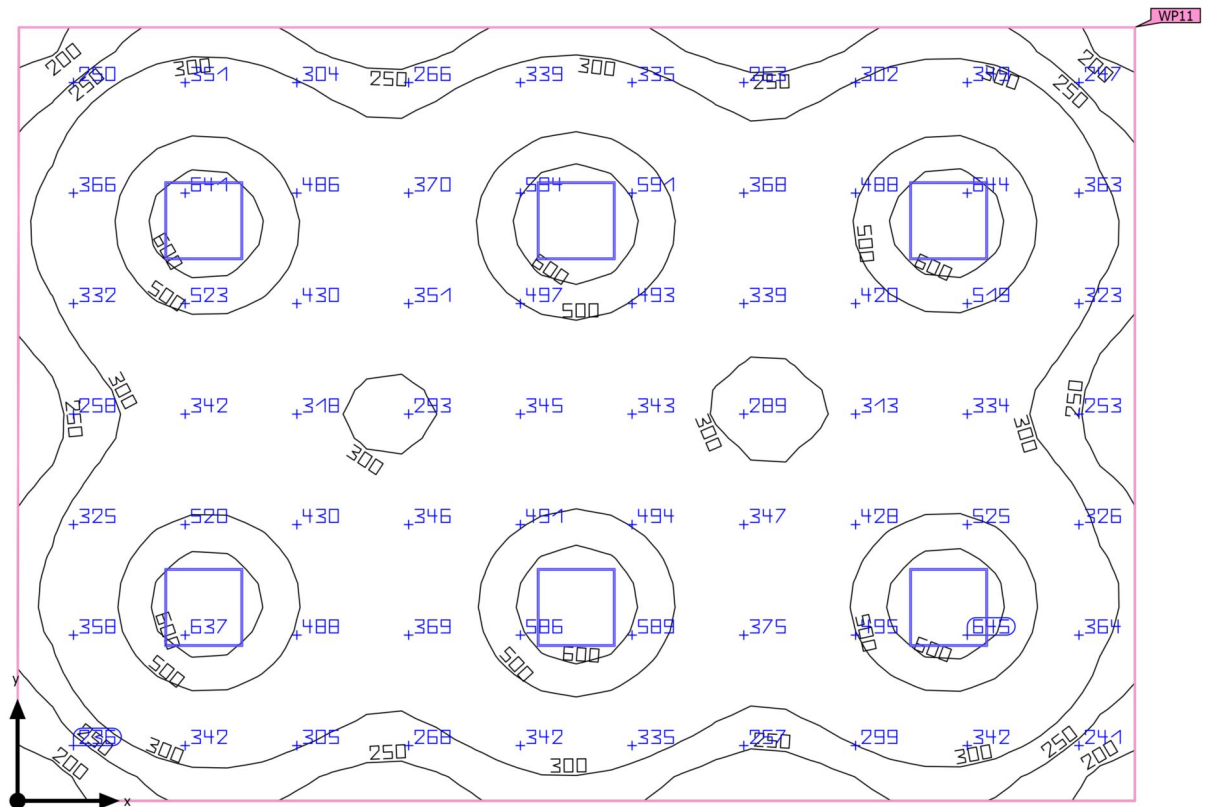
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	383 lx	174 lx	672 lx	0.45	0.26	WP10
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	389 lx	≥ 300 lx	✓	WP11
	g_1	0.45	-	-	WP11
Consumption values	Consumption	270 kWh/a	max. 1800 kWh/a	✓	
Room	Lighting power density	4.02 W/m ²	-	-	
		1.03 W/m ² /100 lx	-	-	

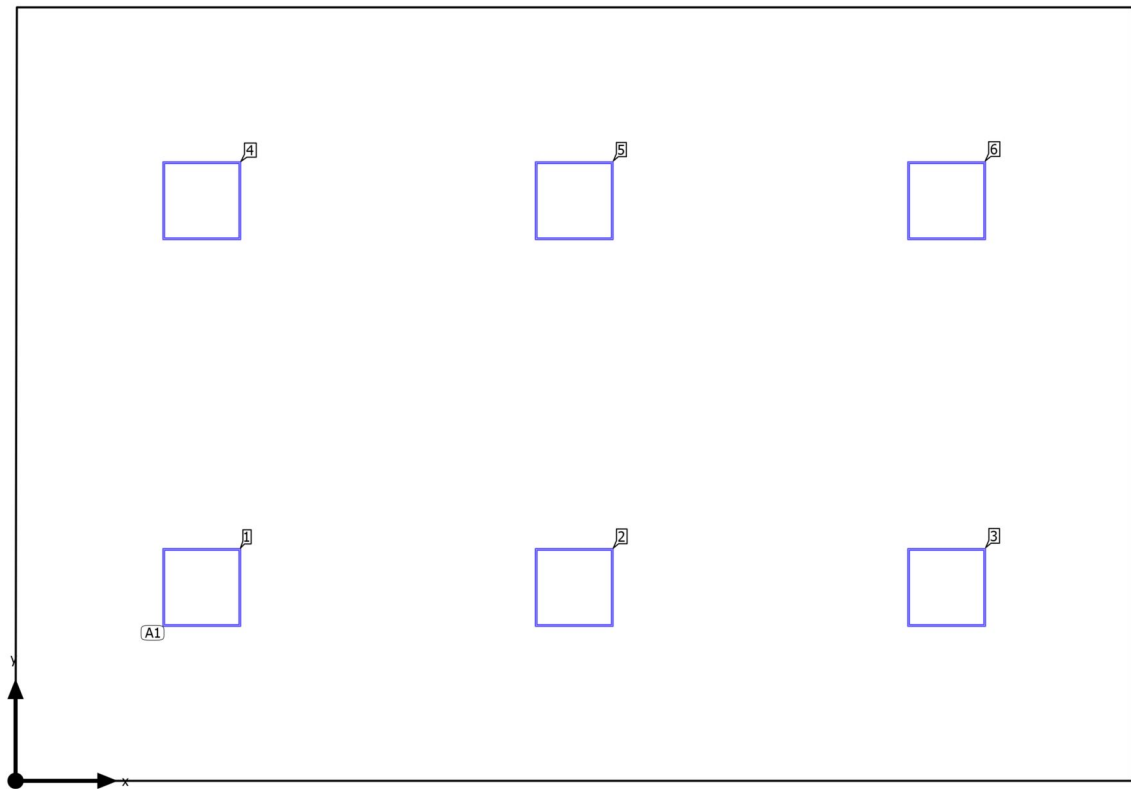
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

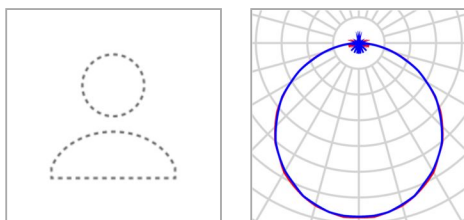
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.428 m / 1.483 m / 2.800 m	1.428 m	1.483 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.855 m	4.283 m	1.483 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.965 m	7.138 m	1.483 m	2.800 m	3
Arrangement	A1	1.428 m	4.447 m	2.800 m	4
		4.283 m	4.447 m	2.800 m	5
		7.138 m	4.447 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

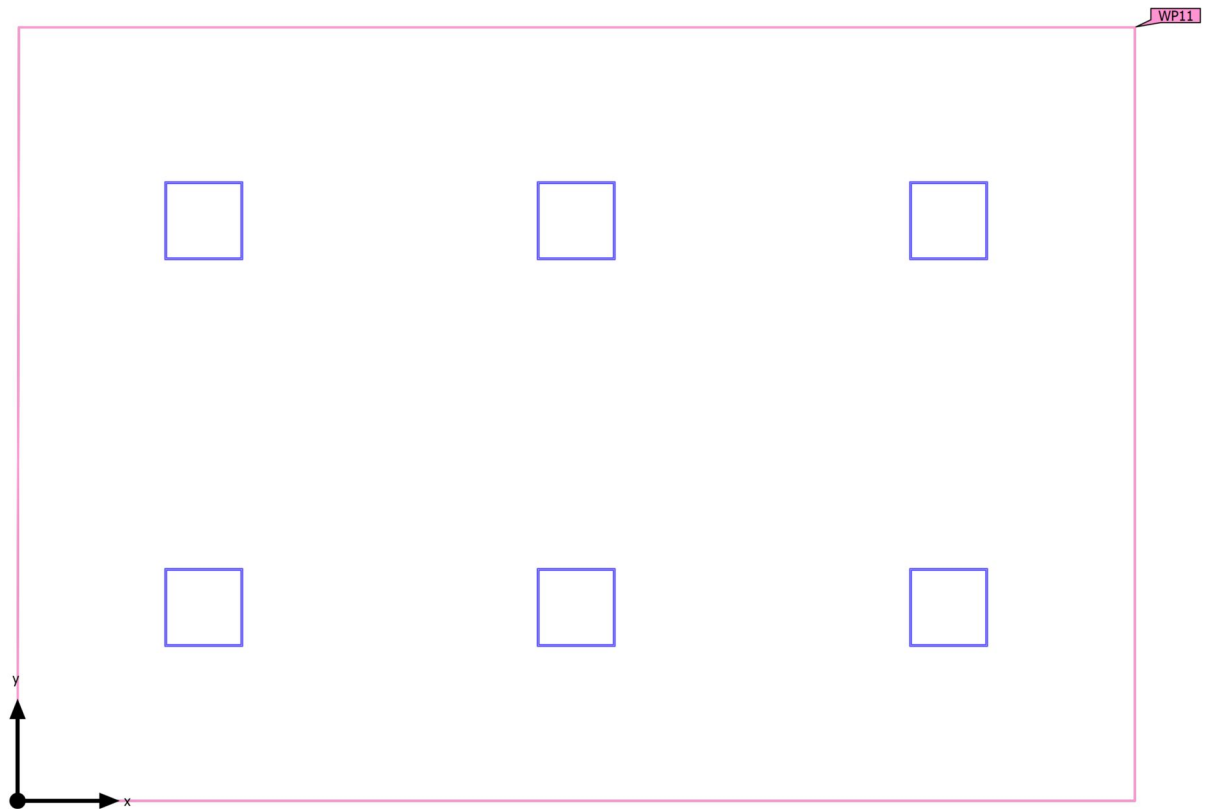
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

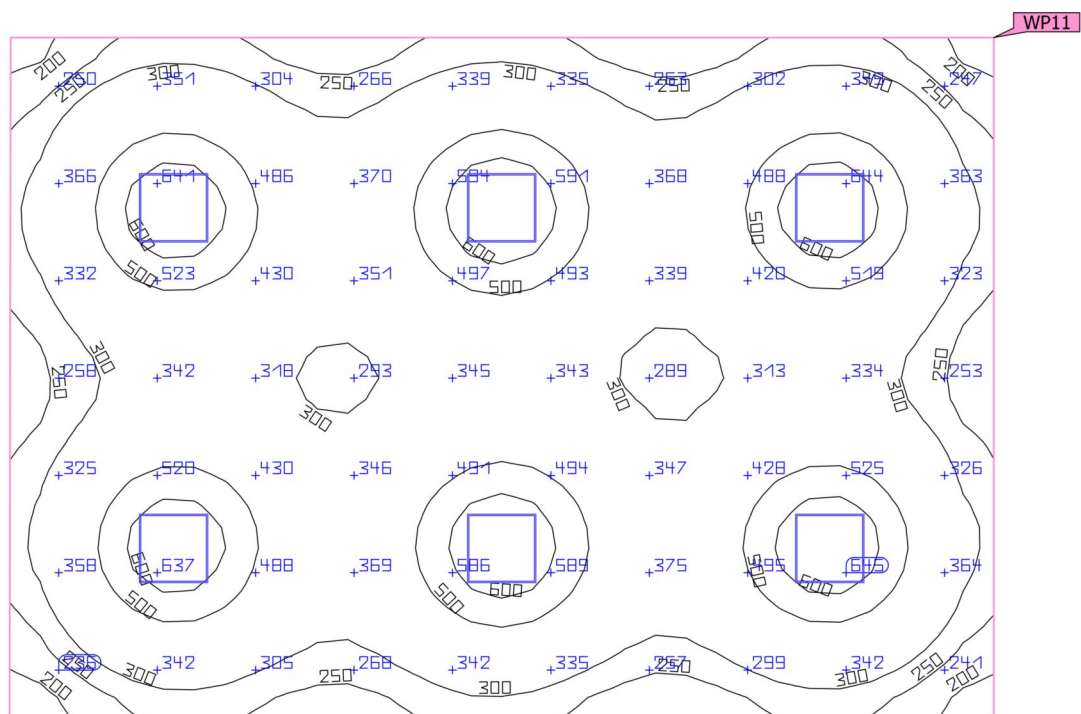
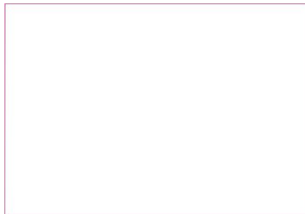
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	389 lx (≥ 300 lx) ✓	175 lx	680 lx	0.45	0.26	WP11

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

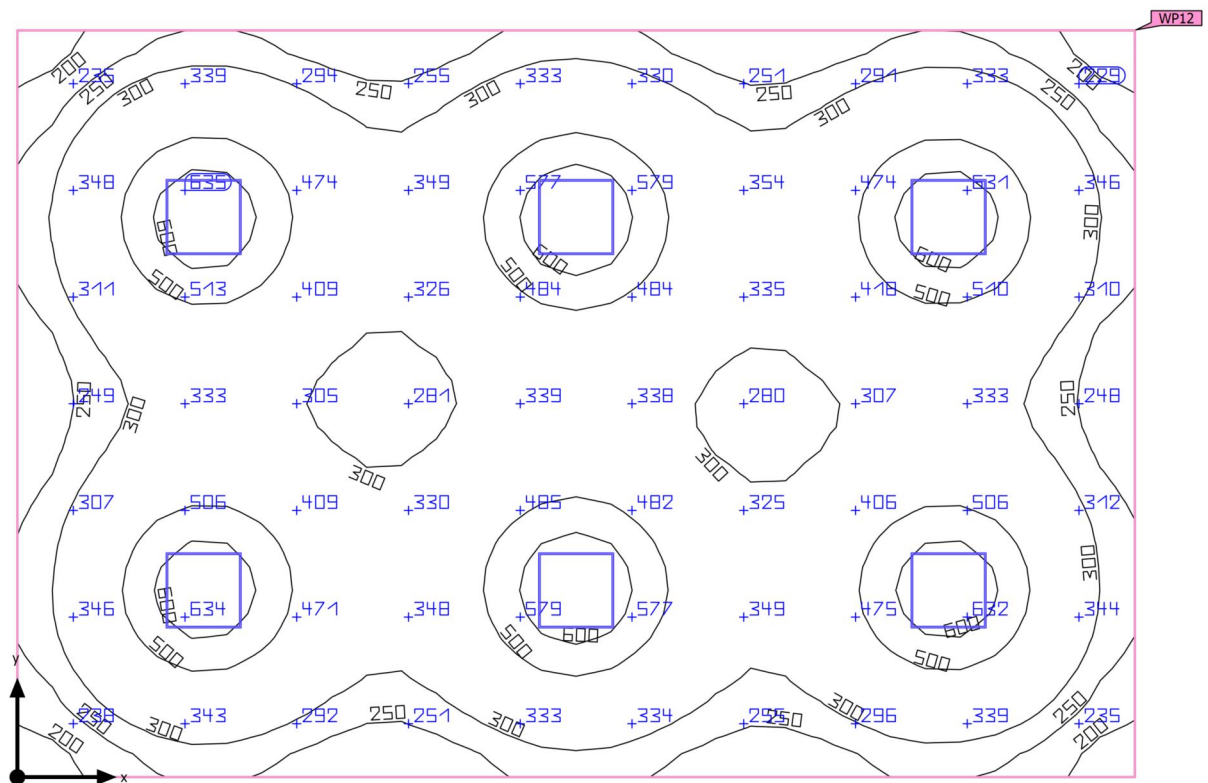
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	389 lx	175 lx	680 lx	0.45	0.26	WP11
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	378 lx	≥ 300 lx	✓	WP12
	g_1	0.44	-	-	WP12
Consumption values	Consumption	270 kWh/a	max. 1850 kWh/a	✓	
Room	Lighting power density	3.87 W/m ²	-	-	
		1.03 W/m ² /100 lx	-	-	

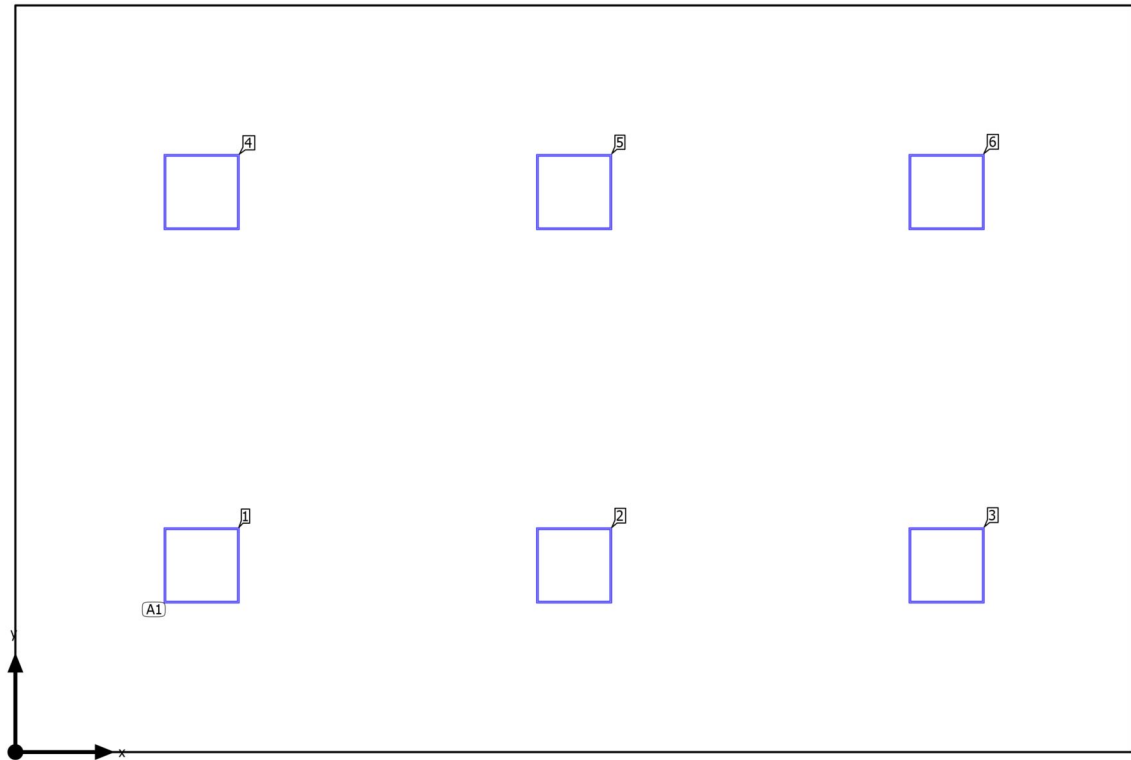
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

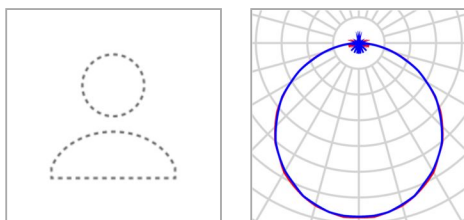
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042872	$\Phi_{\text{Luminaire}}$	4061 lm
Article name	START Panel 600x600 HE 4100Lm 830 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 600x600 HE 4100Lm 830 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.480 m / 1.483 m / 2.800 m	1.480 m	1.483 m	2.800 m	1
X-direction	3 pcs., Center - center, 2.960 m	4.439 m	1.483 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.965 m	7.399 m	1.483 m	2.800 m	3
Arrangement	A1	1.480 m	4.447 m	2.800 m	4
		4.439 m	4.447 m	2.800 m	5
		7.399 m	4.447 m	2.800 m	6

Building 1 · Story 1 · Klase/Classroom

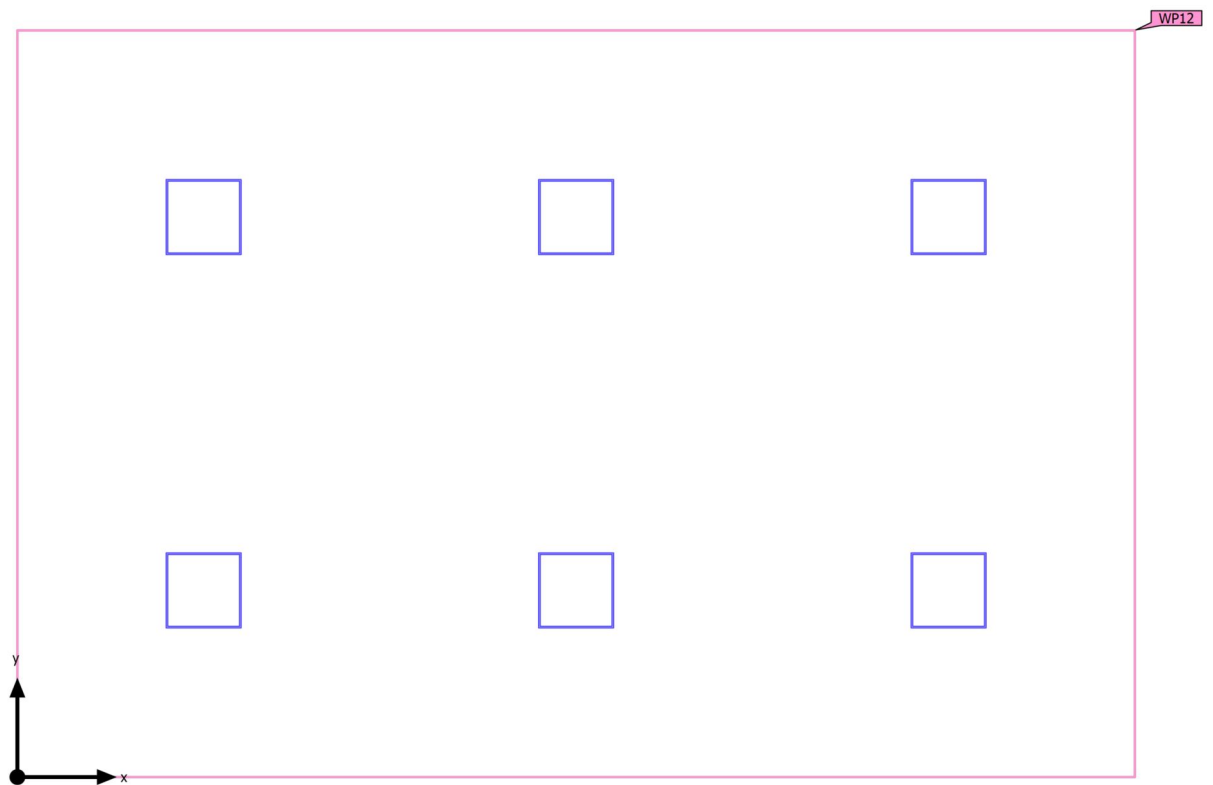
Luminaire list

Φ_{total} 24366 lm	P_{total} 204.0 W	Luminous efficacy 119.4 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042872	START Panel 600x600 HE 4100Lm 830 LILO	34.0 W	4061 lm	119.4 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

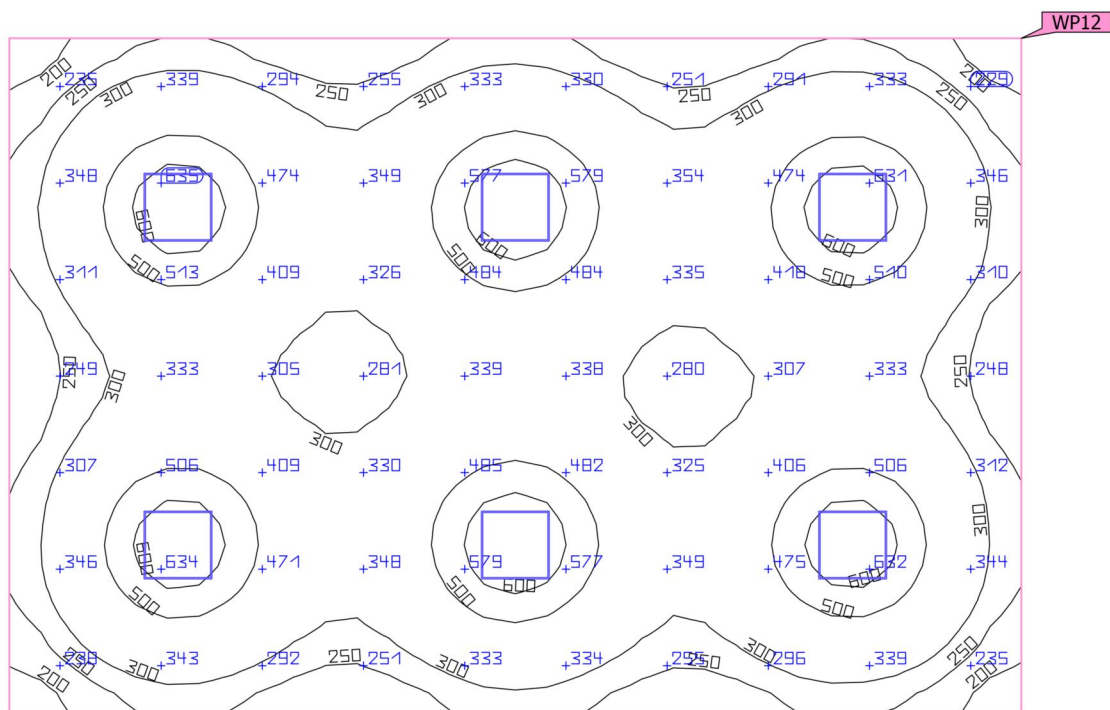
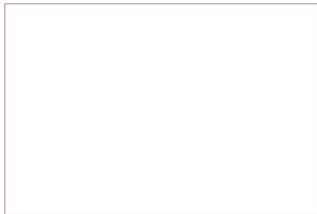
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	378 lx (≥ 300 lx) ✓	168 lx	668 lx	0.44	0.25	WP12

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

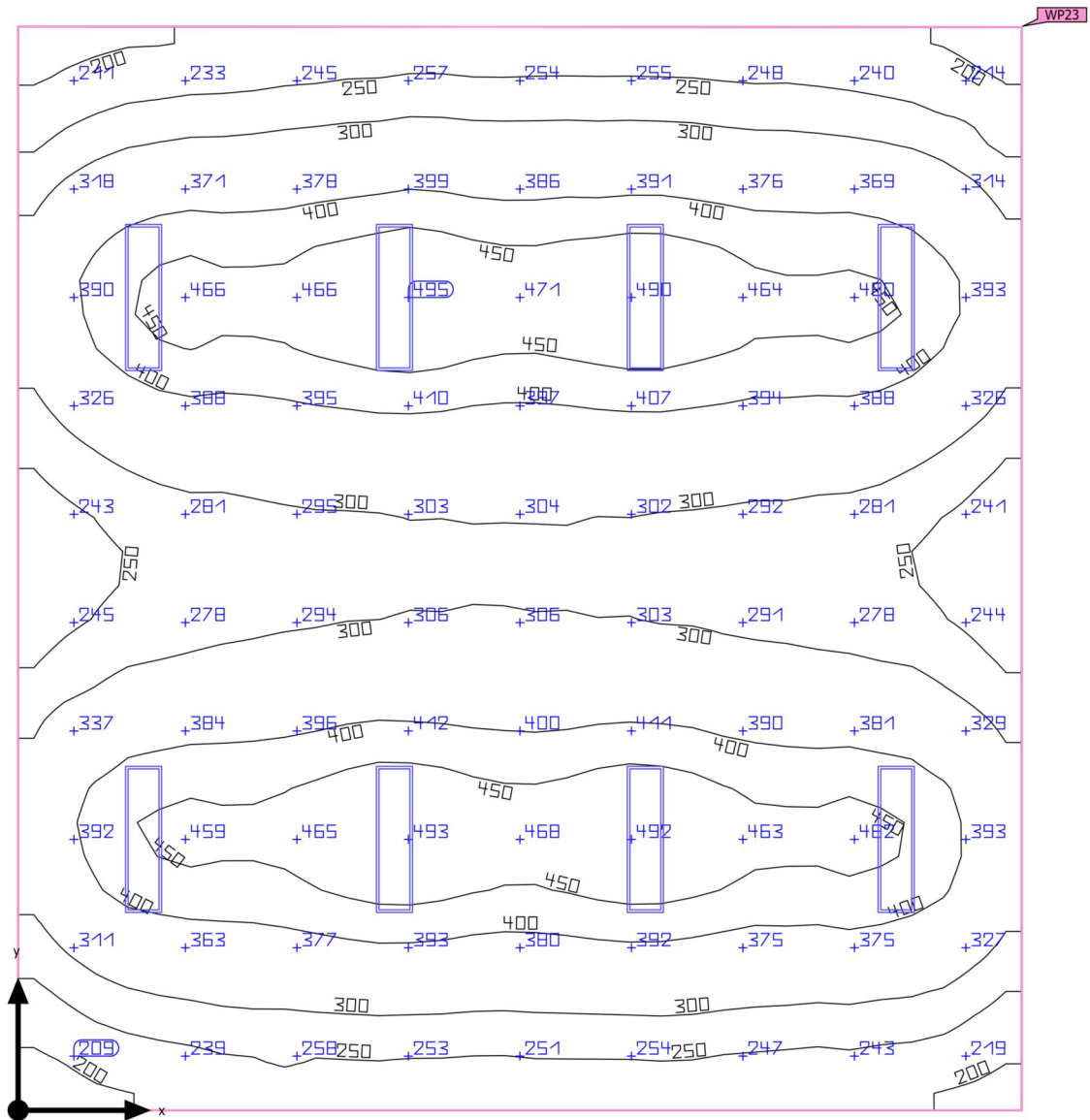
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	378 lx	168 lx	668 lx	0.44	0.25	WP12
Perpendicular illuminance (adaptive)	≥ 300 lx					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	344 lx	≥ 300 lx	✓	WP23
	g_1	0.51	-	-	WP23
Consumption values	Consumption	360 kWh/a	max. 2550 kWh/a	✓	
Room	Lighting power density	3.74 W/m ²	-	-	
		1.09 W/m ² /100 lx	-	-	

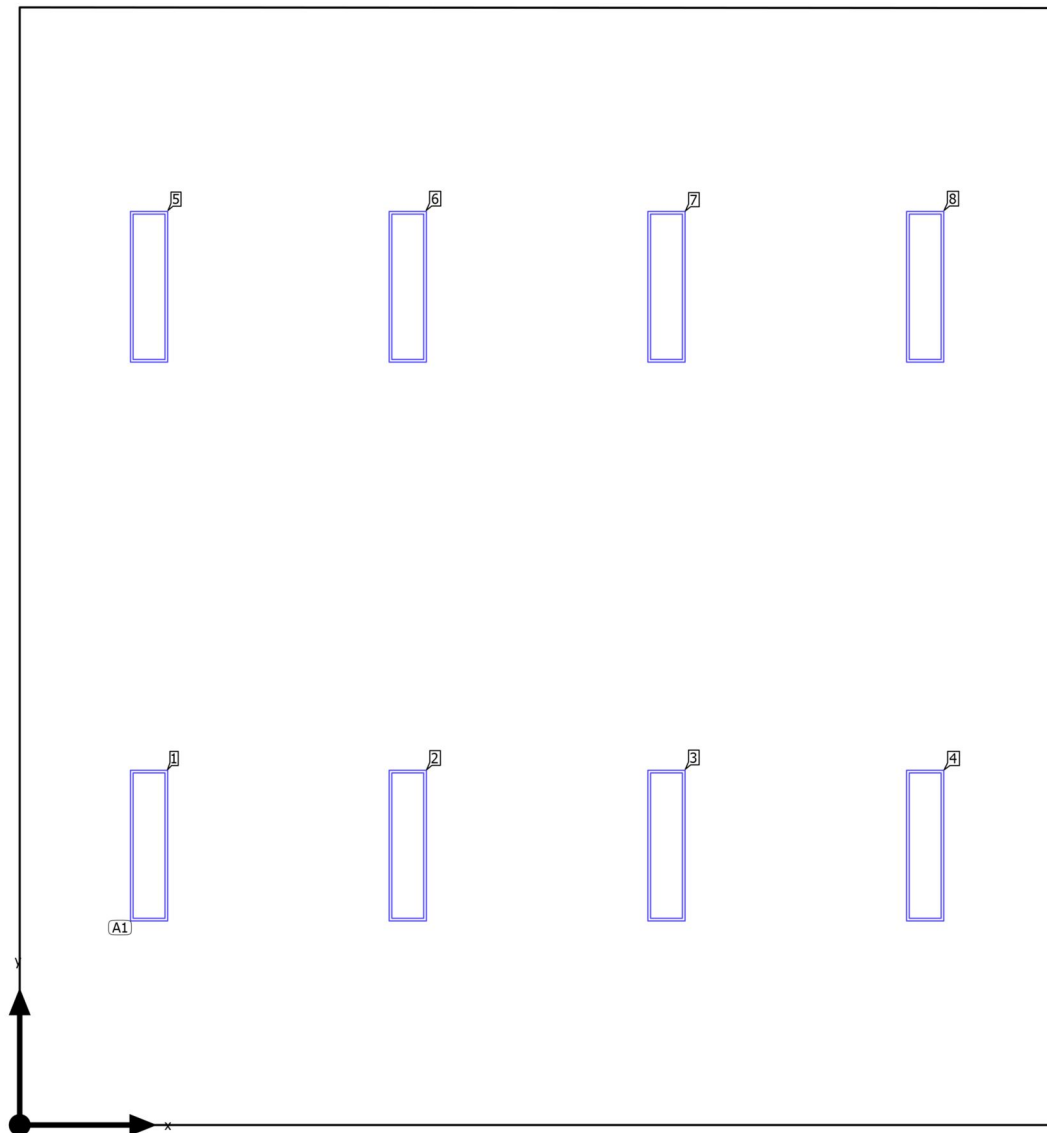
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

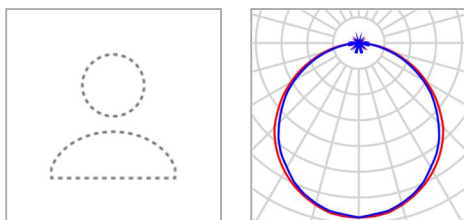
Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Building 1 · Story 1 · Klase/Classroom

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

8 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.026 m / 2.216 m / 2.800 m	1.026 m	2.216 m	2.800 m	1
X-direction	4 pcs., Center - center, 2.052 m	3.079 m	2.216 m	2.800 m	2
		5.131 m	2.216 m	2.800 m	3
Y-direction	2 pcs., Center - center, 4.433 m	7.184 m	2.216 m	2.800 m	4
Arrangement	A1	1.026 m	6.649 m	2.800 m	5
		3.079 m	6.649 m	2.800 m	6
		5.131 m	6.649 m	2.800 m	7
		7.184 m	6.649 m	2.800 m	8

Building 1 · Story 1 · Klase/Classroom

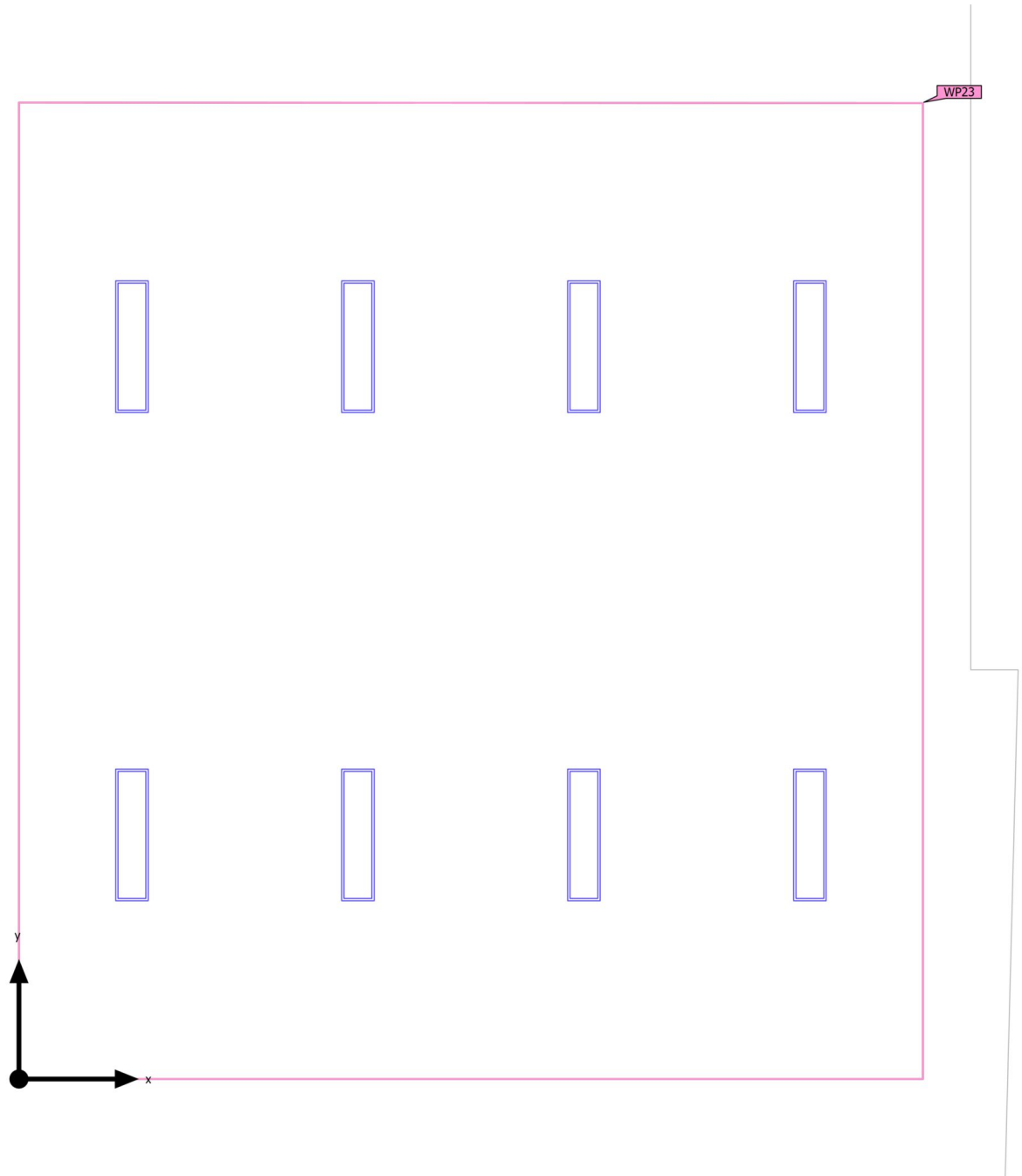
Luminaire list

Φ_{total} 31440 lm	P_{total} 272.0 W	Luminous efficacy 115.6 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Classroom (Light scene 1)

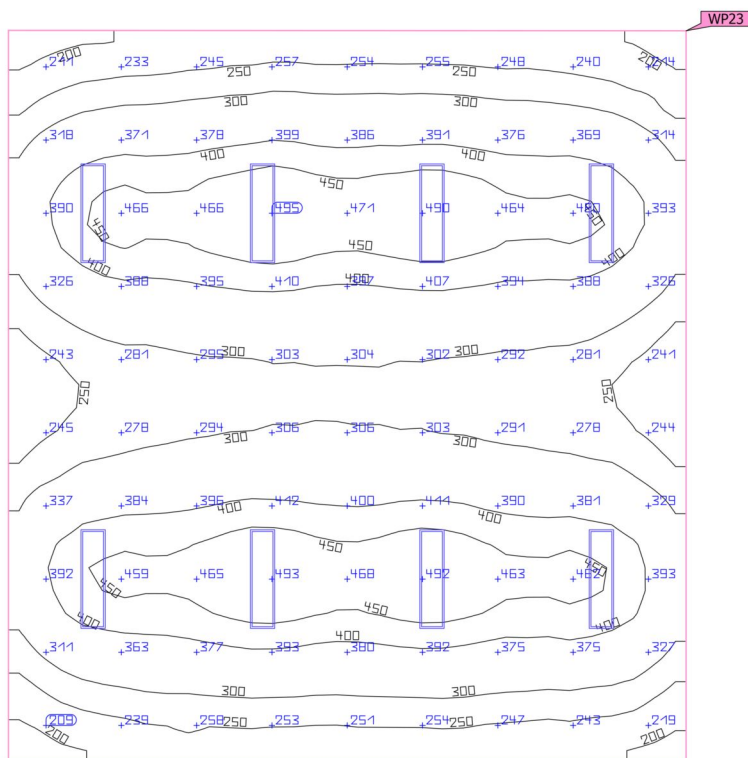
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	344 lx (≥ 300 lx) ✓	175 lx	495 lx	0.51	0.35	WP23

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

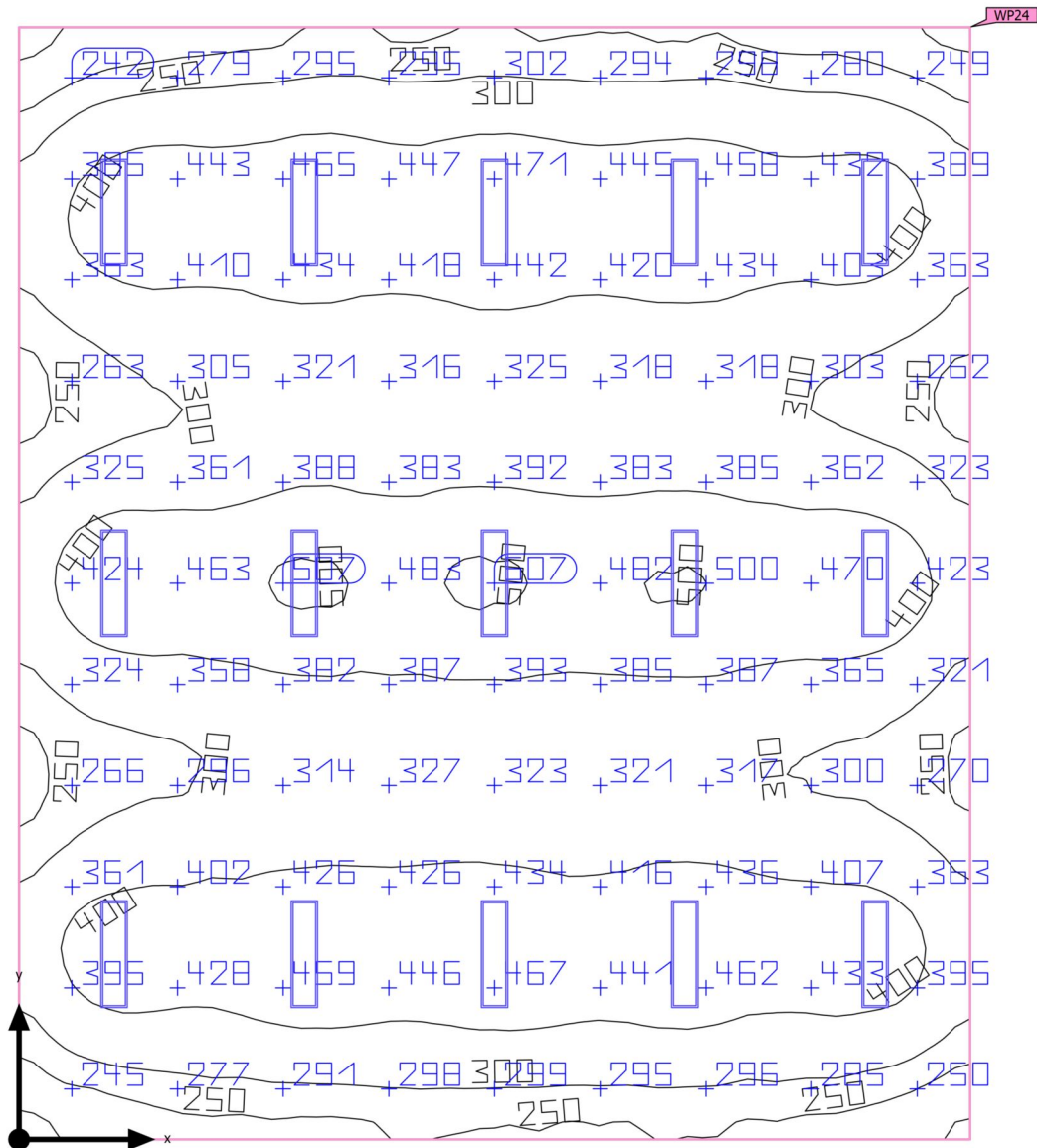
Building 1 · Story 1 · Klase/Classroom (Light scene 1)

Working plane (Klase/Classroom)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Classroom)	344 lx	175 lx	495 lx	0.51	0.35	WP23
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Laborator (Light scene 1)

Summary

Building 1 · Story 1 · Klase/Laborator (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	368 lx	≥ 300 lx	✓	WP24
	g_1	0.51	-	-	WP24
Consumption values	Consumption	680 kWh/a	max. 4650 kWh/a	✓	
Room	Lighting power density	3.84 W/m ²	-	-	
		1.04 W/m ² /100 lx	-	-	

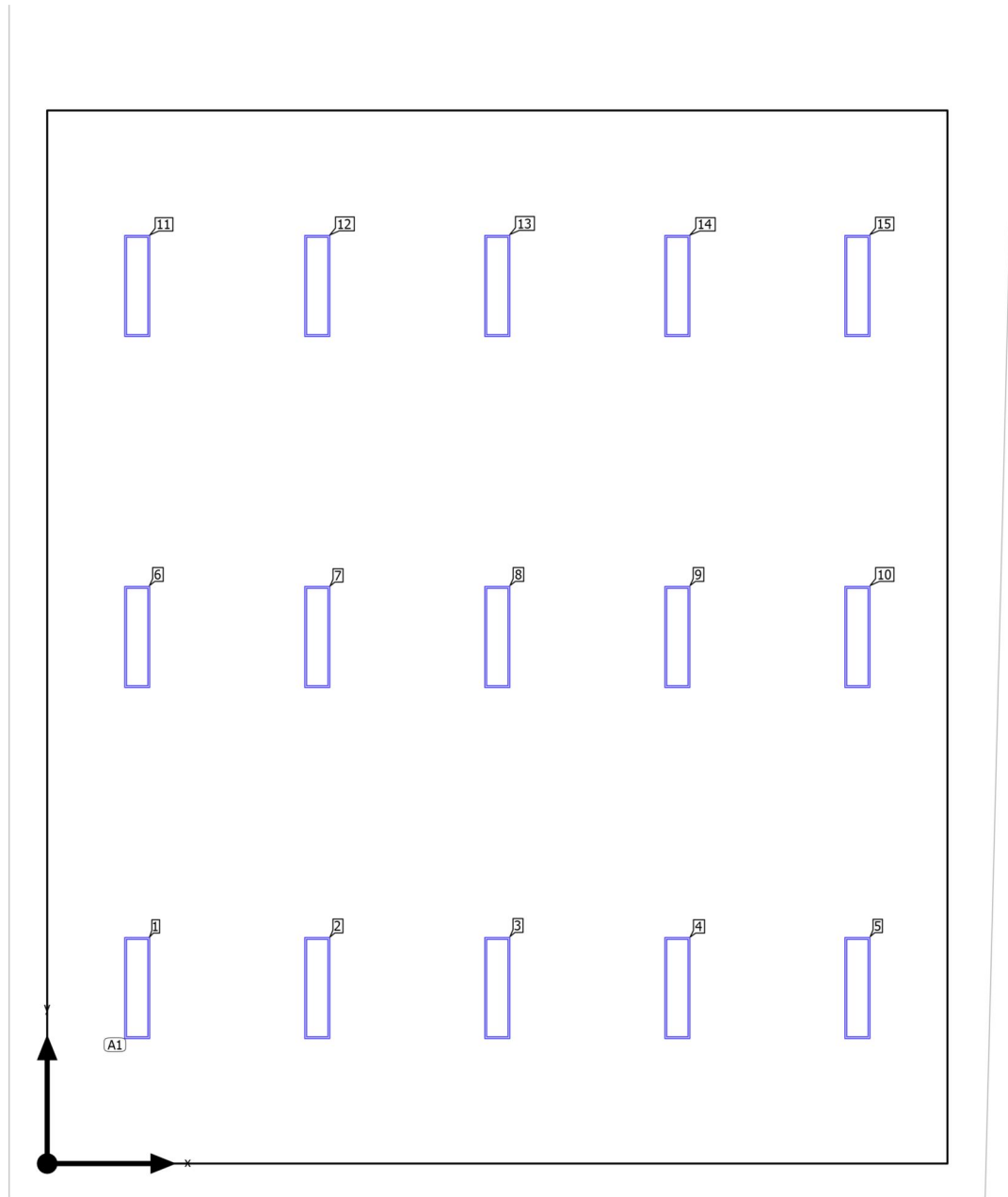
Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
15	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

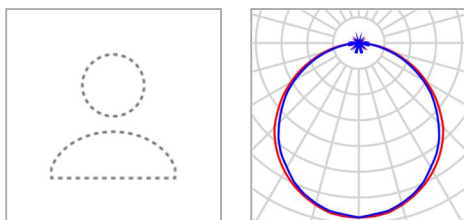
Building 1 · Story 1 · Klase/Laborator

Luminaire layout plan



Building 1 · Story 1 · Klase/Laborator

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

15 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.065 m / 2.077 m / 2.800 m	1.065 m	2.077 m	2.800 m	1
X-direction	5 pcs., Center - center, 2.130 m	3.196 m	2.077 m	2.800 m	2
		5.326 m	2.077 m	2.800 m	3
Y-direction	3 pcs., Center - center, 4.154 m	7.457 m	2.077 m	2.800 m	4
		9.587 m	2.077 m	2.800 m	5
Arrangement	A1	1.065 m	6.230 m	2.800 m	6
		3.196 m	6.230 m	2.800 m	7
		5.326 m	6.230 m	2.800 m	8
		7.457 m	6.230 m	2.800 m	9
		9.587 m	6.230 m	2.800 m	10
		1.065 m	10.384 m	2.800 m	11
		3.196 m	10.384 m	2.800 m	12
		5.326 m	10.384 m	2.800 m	13

Building 1 · Story 1 · Klase/Laborator

Luminaire layout plan

X	Y	Mounting height	Luminaire
7.457 m	10.384 m	2.800 m	14
9.587 m	10.384 m	2.800 m	15

Building 1 · Story 1 · Klase/Laborator

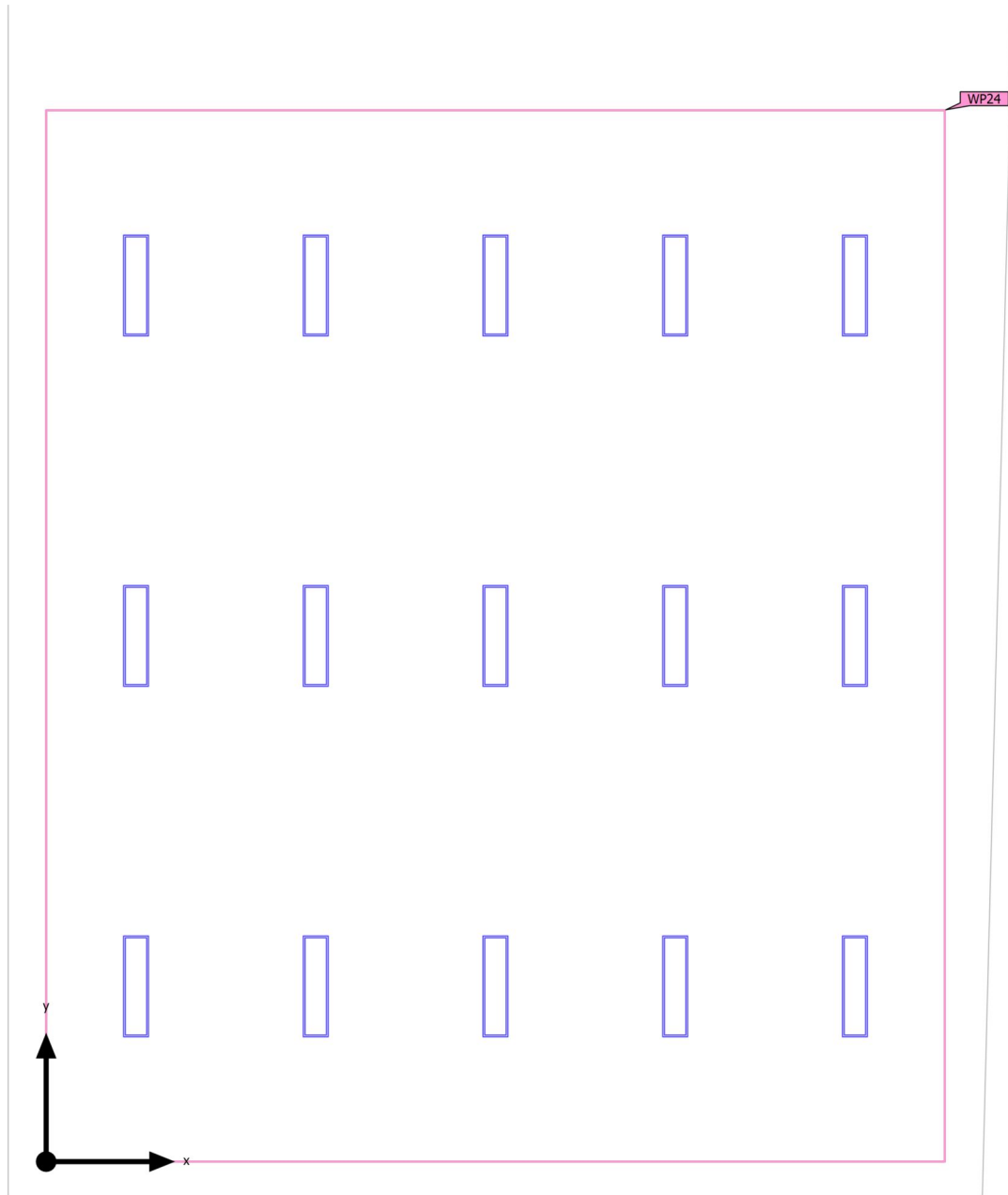
Luminaire list

Φ_{total} 58950 lm	P_{total} 510.0 W	Luminous efficacy 115.6 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
15	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Klase/Laborator (Light scene 1)

Calculation objects



Building 1 · Story 1 · Klase/Laborator (Light scene 1)

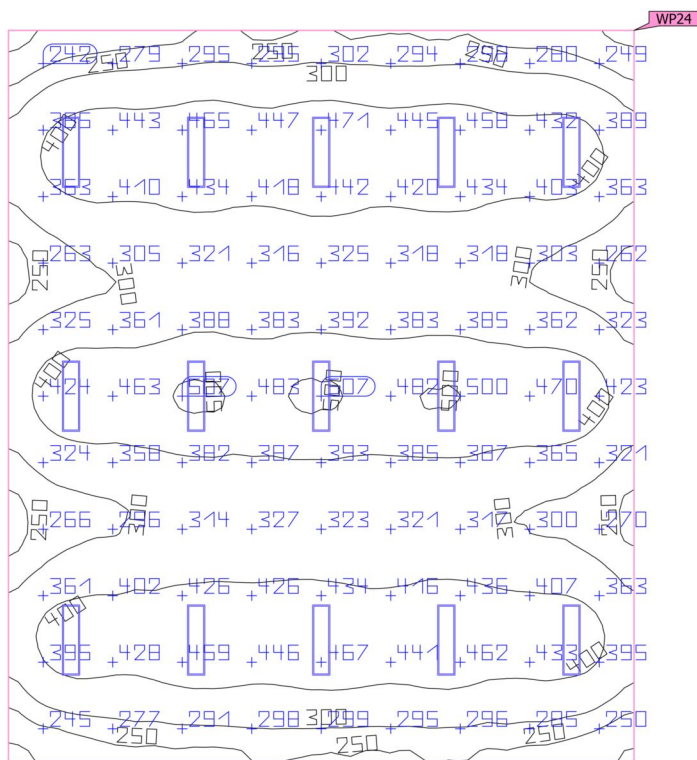
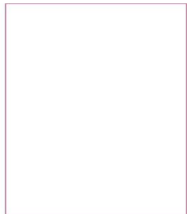
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Laborator) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	368 lx (≥ 300 lx) ✓	188 lx	509 lx	0.51	0.37	WP24

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Klase/Laborator (Light scene 1)

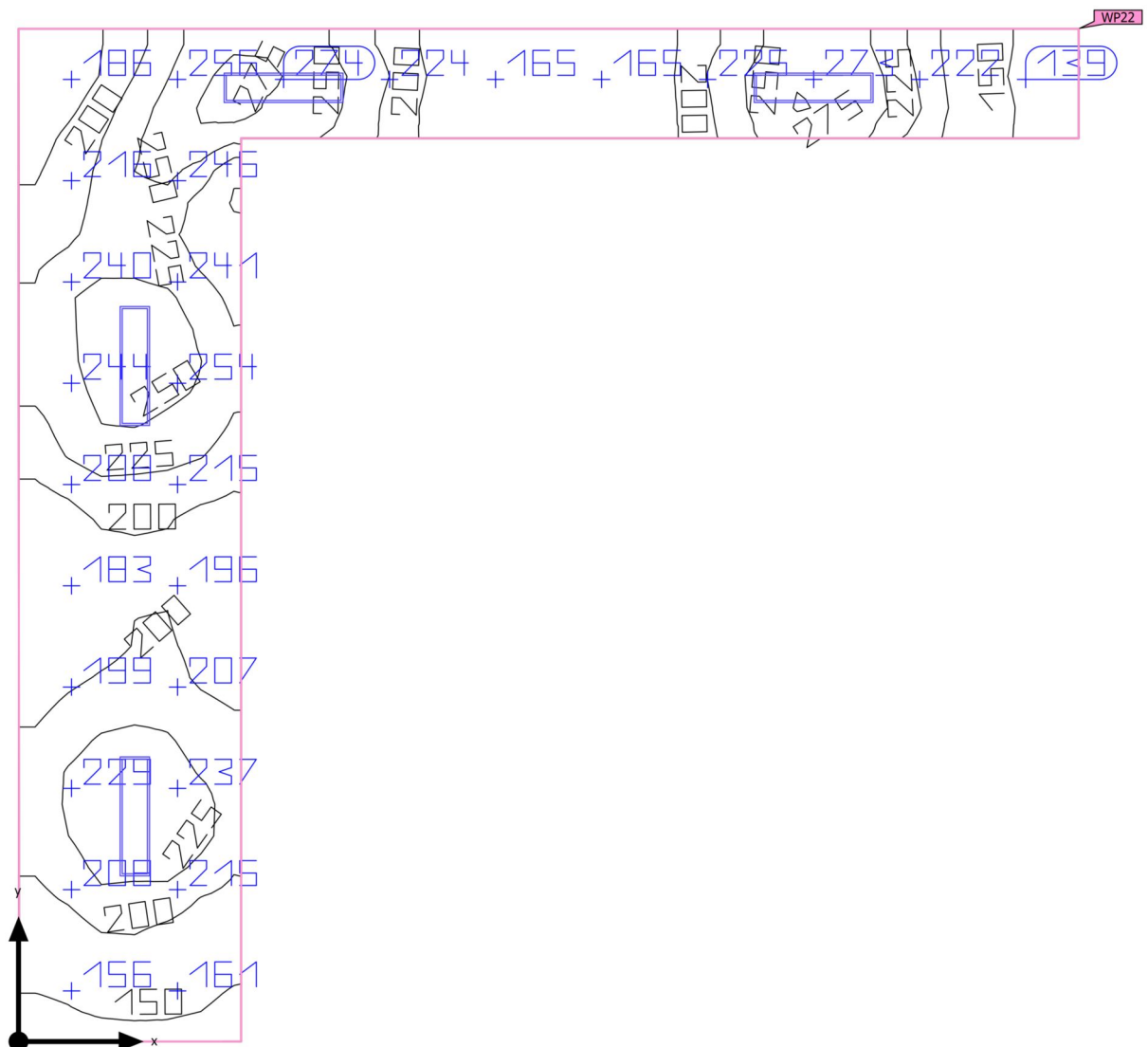
Working plane (Klase/Laborator)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Klase/Laborator)	368 lx	188 lx	509 lx	0.51	0.37	WP24
Perpendicular illuminance (adaptive)	(≥ 300 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Educational premises - Educational buildings, Classrooms, tutorial rooms

Building 1 · Story 1 · Koridor (Light scene 1)

Summary



Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	212 lx	≥ 100 lx	✓	WP22
	g_1	0.60	-	-	WP22
Consumption values	Consumption	150 kWh/a	max. 1150 kWh/a	✓	
Room	Lighting power density	4.25 W/m ²	-	-	
		2.00 W/m ² /100 lx	-	-	

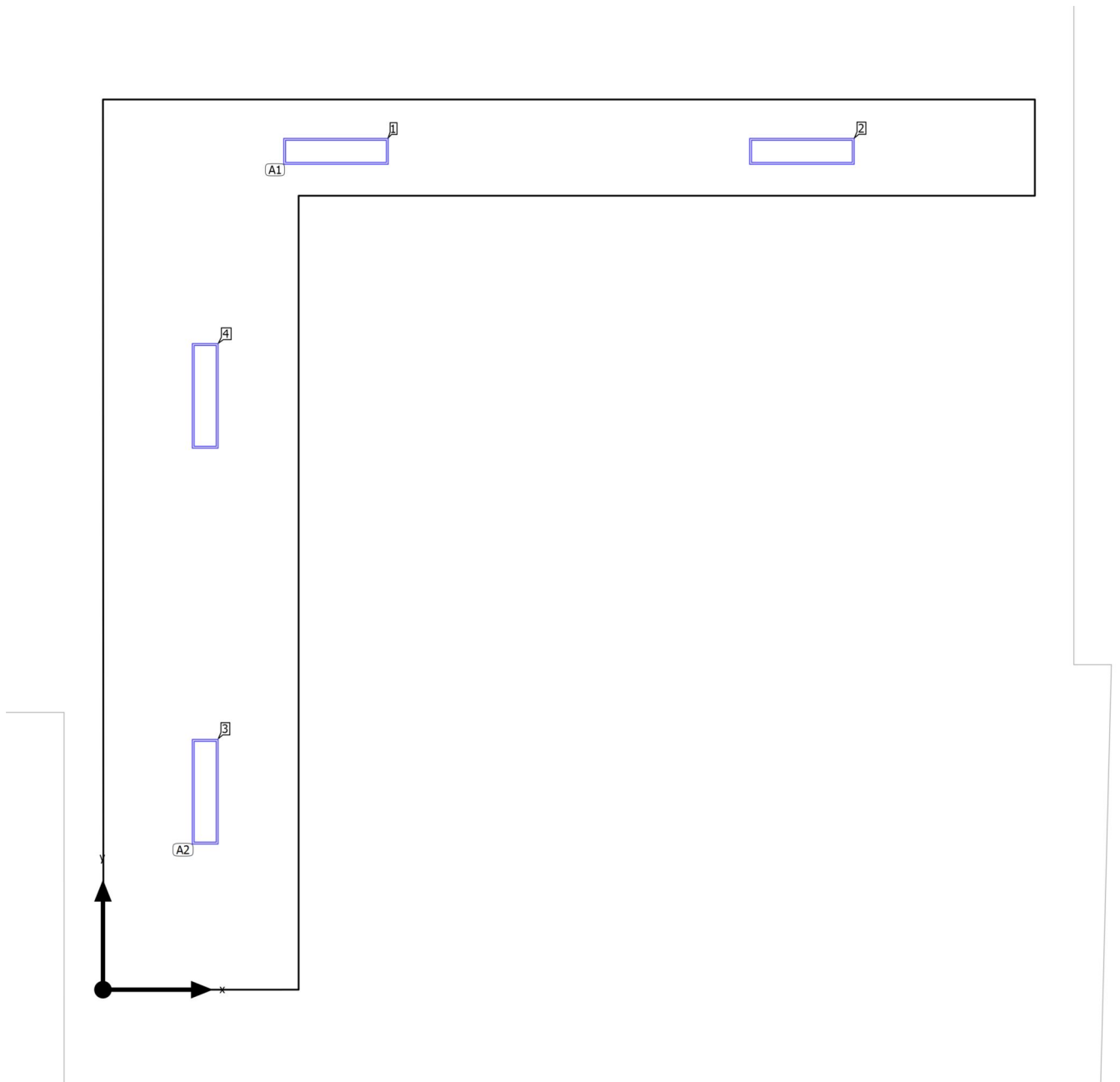
Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor

Luminaire layout plan



Building 1 · Story 1 · Koridor

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

2 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.665 m / 9.583 m / 2.800 m	2.665 m	9.583 m	2.800 m	1
X-direction	2 pcs., Center - center, 5.329 m	7.993 m	9.583 m	2.800 m	2
Arrangement	A1				

2 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.169 m / 2.263 m / 2.800 m	1.169 m	2.263 m	2.800 m	3
X-direction	2 pcs., Center - center, 4.525 m	1.169 m	6.788 m	2.800 m	4
Arrangement	A2				

Building 1 · Story 1 · Koridor

Luminaire list Φ_{total}

15720 lm

 P_{total}

136.0 W

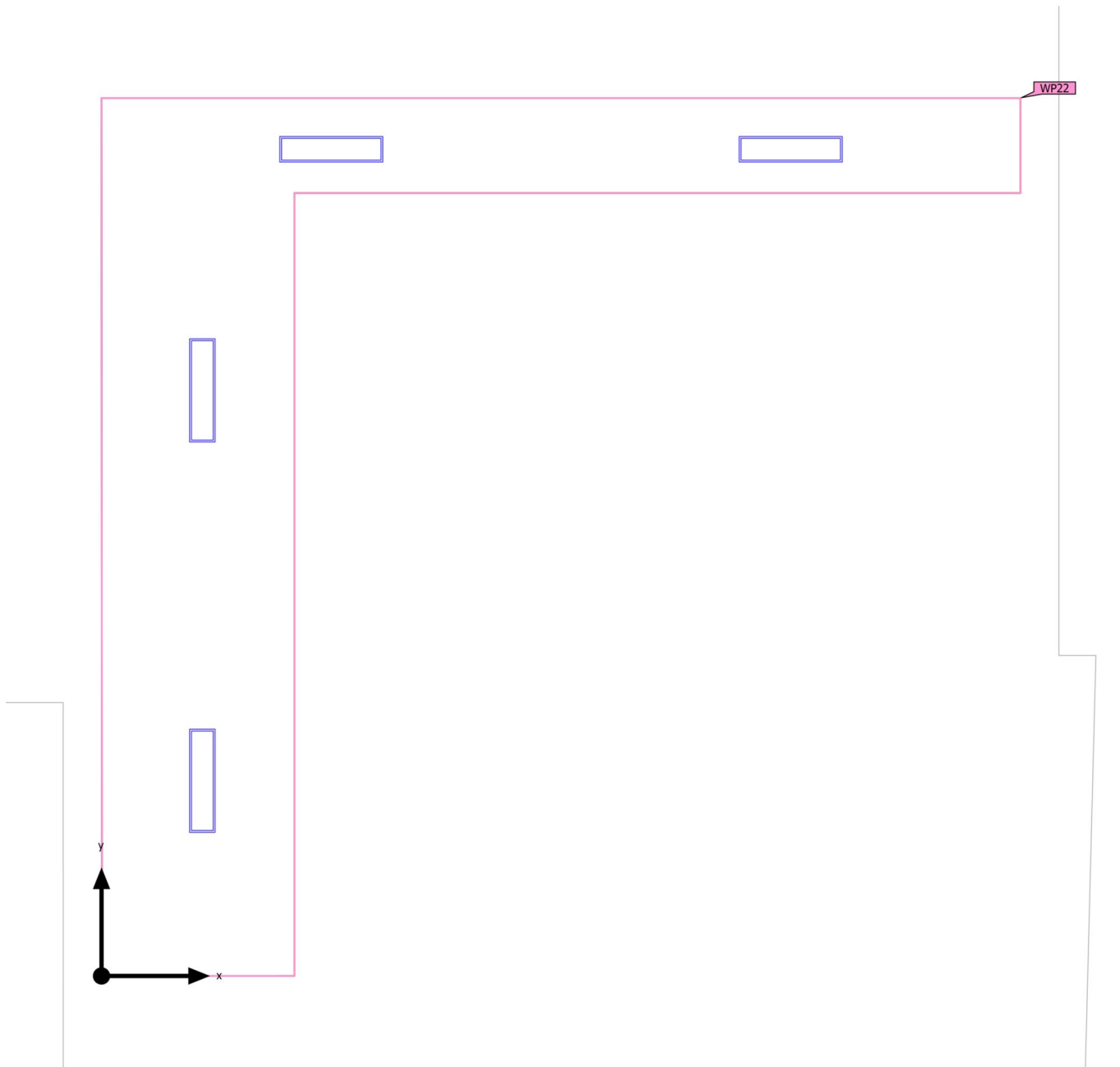
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects



Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects

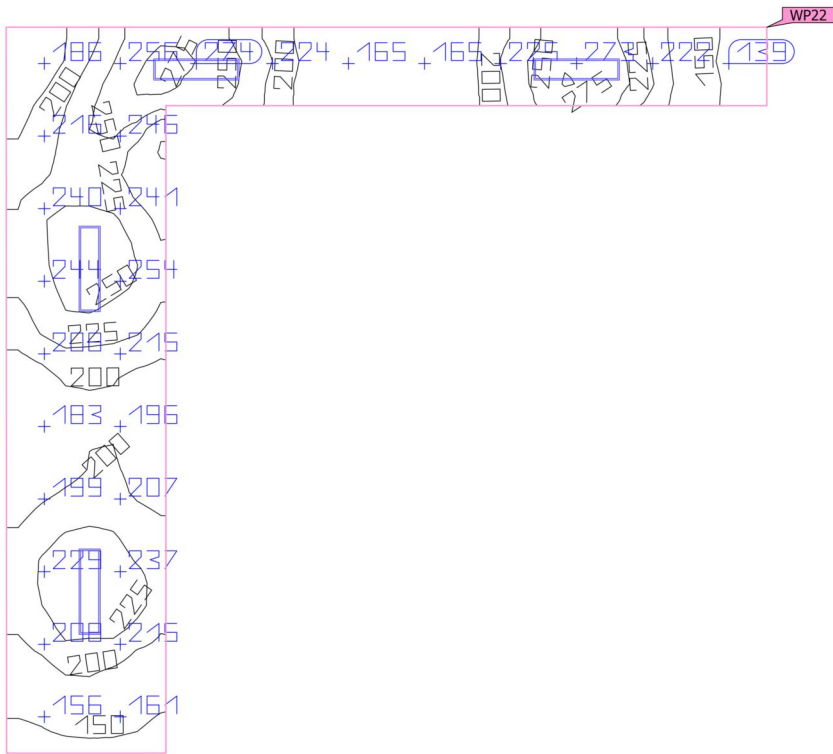
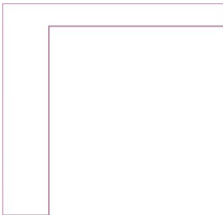
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	212 lx (≥ 100 lx) ✓	127 lx	285 lx	0.60	0.45	WP22

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

Working plane (Koridor)

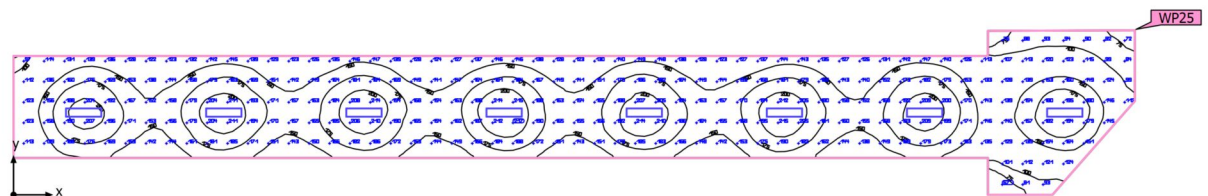


Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor)	212 lx	127 lx	285 lx	0.60	0.45	WP22
Perpendicular illuminance (adaptive)	≥ 100 lx					
Height: 0.000 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

Summary



Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	158 lx	≥ 100 lx	✓	WP25
	g_1	0.38	-	-	WP25
Consumption values	Consumption	300 kWh/a	max. 4650 kWh/a	✓	
Room	Lighting power density	2.06 W/m ²	-	-	
		1.31 W/m ² /100 lx	-	-	

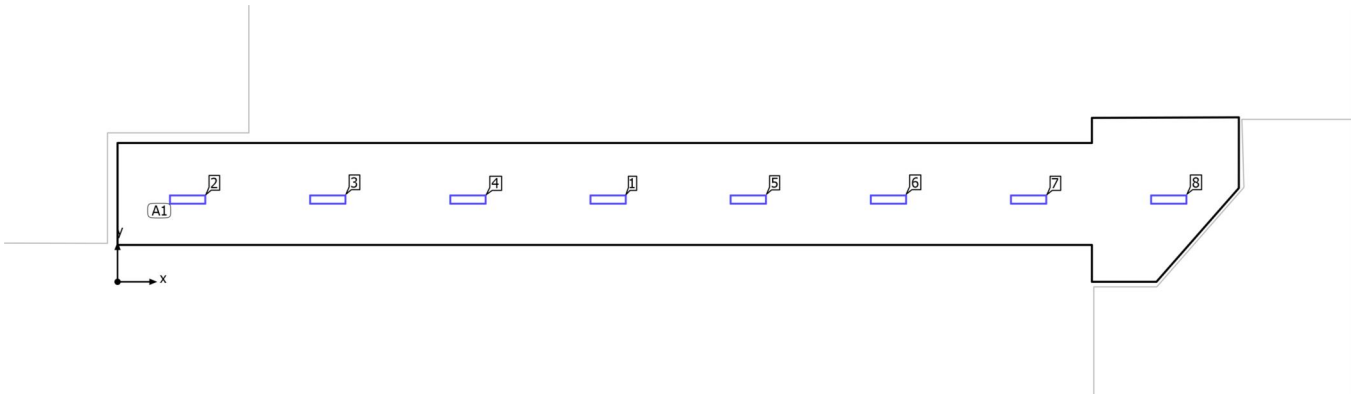
Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor

Luminaire layout plan



Building 1 · Story 1 · Koridor

Luminaire layout plan



Manufacturer	Not yet a DIALux member
Article No.	0042879
Article name	START Panel 1200x300 HE 4100Lm 840 LILO
Fitting	1x LED

P	34.0 W
$\Phi_{\text{Luminaire}}$	3930 lm

8 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	16.308 m / 2.734 m / 2.800 m	16.308 m	2.734 m	2.800 m	1
X-direction	8 pcs., Center - center, 4.659 m	2.330 m	2.734 m	2.800 m	2
Y-direction	1 pcs., Center - center, 5.468 m	6.989 m	2.734 m	2.800 m	3
Arrangement	A1	11.648 m	2.734 m	2.800 m	4
		20.967 m	2.734 m	2.800 m	5
		25.627 m	2.734 m	2.800 m	6
		30.286 m	2.734 m	2.800 m	7
		34.945 m	2.734 m	2.800 m	8

Building 1 · Story 1 · Koridor

Luminaire list Φ_{total}

31440 lm

 P_{total}

272.0 W

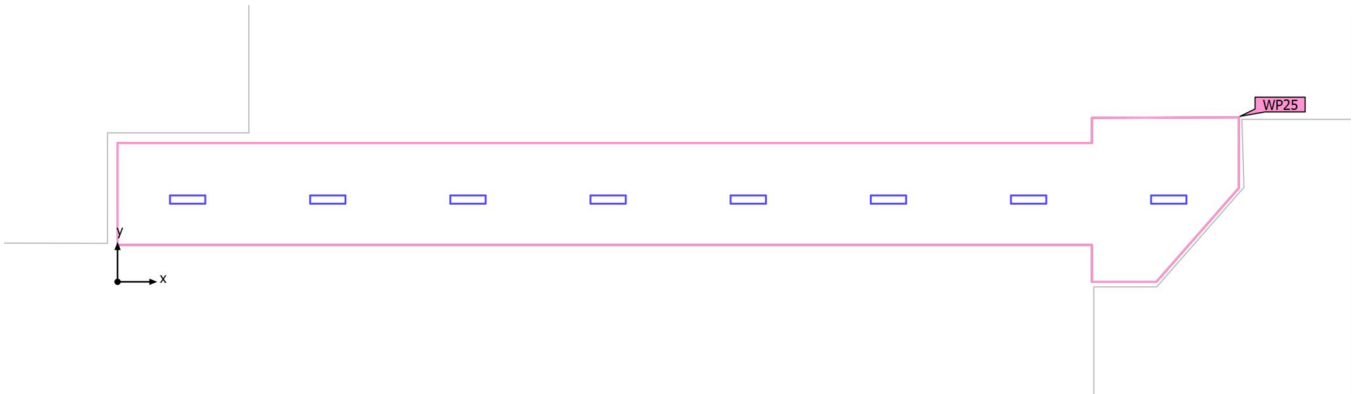
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects



Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects

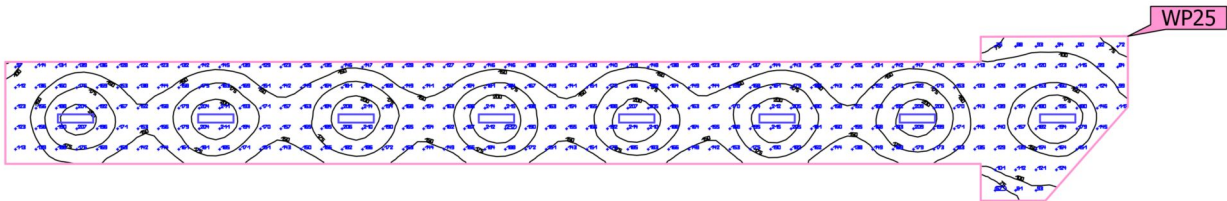
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	158 lx (≥ 100 lx) ✓	59.5 lx	222 lx	0.38	0.27	WP25

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

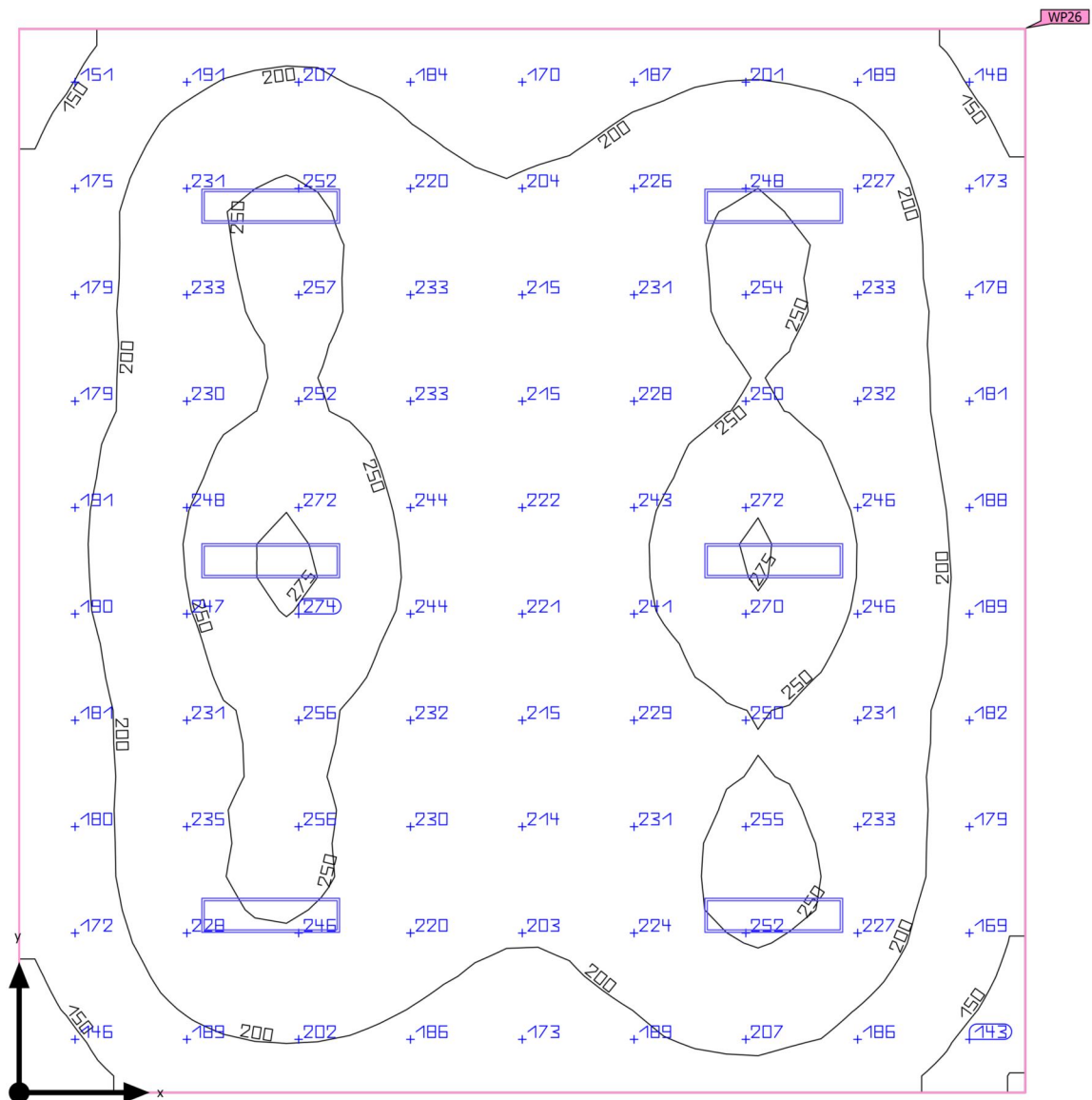
Working plane (Koridor)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	158 lx (≥ 100 lx) ✓	59.5 lx	222 lx	0.38	0.27	WP25

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	216 lx	≥ 100 lx	✓	WP26
	g_1	0.58	-	-	WP26
Consumption values	Consumption	220 kWh/a	max. 2850 kWh/a	✓	
Room	Lighting power density	2.53 W/m ²	-	-	
		1.17 W/m ² /100 lx	-	-	

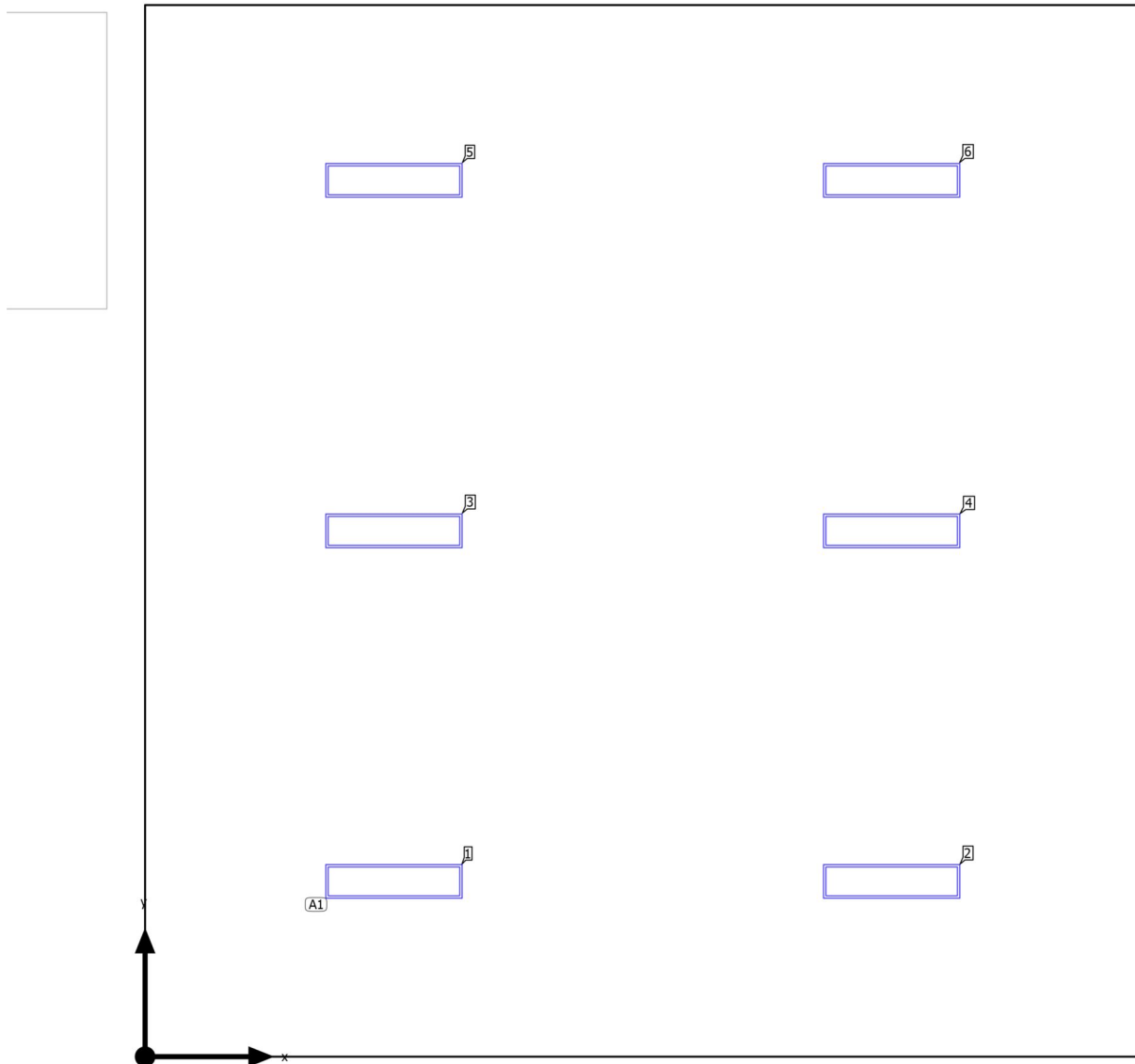
Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor

Luminaire layout plan



Building 1 · Story 1 · Koridor

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

6 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.183 m / 1.537 m / 2.800 m	2.183 m	1.537 m	2.800 m	1
X-direction	2 pcs., Center - center, 4.365 m	6.547 m	1.537 m	2.800 m	2
Y-direction	3 pcs., Center - center, 3.075 m	2.183 m	4.612 m	2.800 m	3
		6.547 m	4.612 m	2.800 m	4
Arrangement	A1	2.183 m	7.687 m	2.800 m	5
		6.547 m	7.687 m	2.800 m	6

Building 1 · Story 1 · Koridor

Luminaire list Φ_{total}

23580 lm

 P_{total}

204.0 W

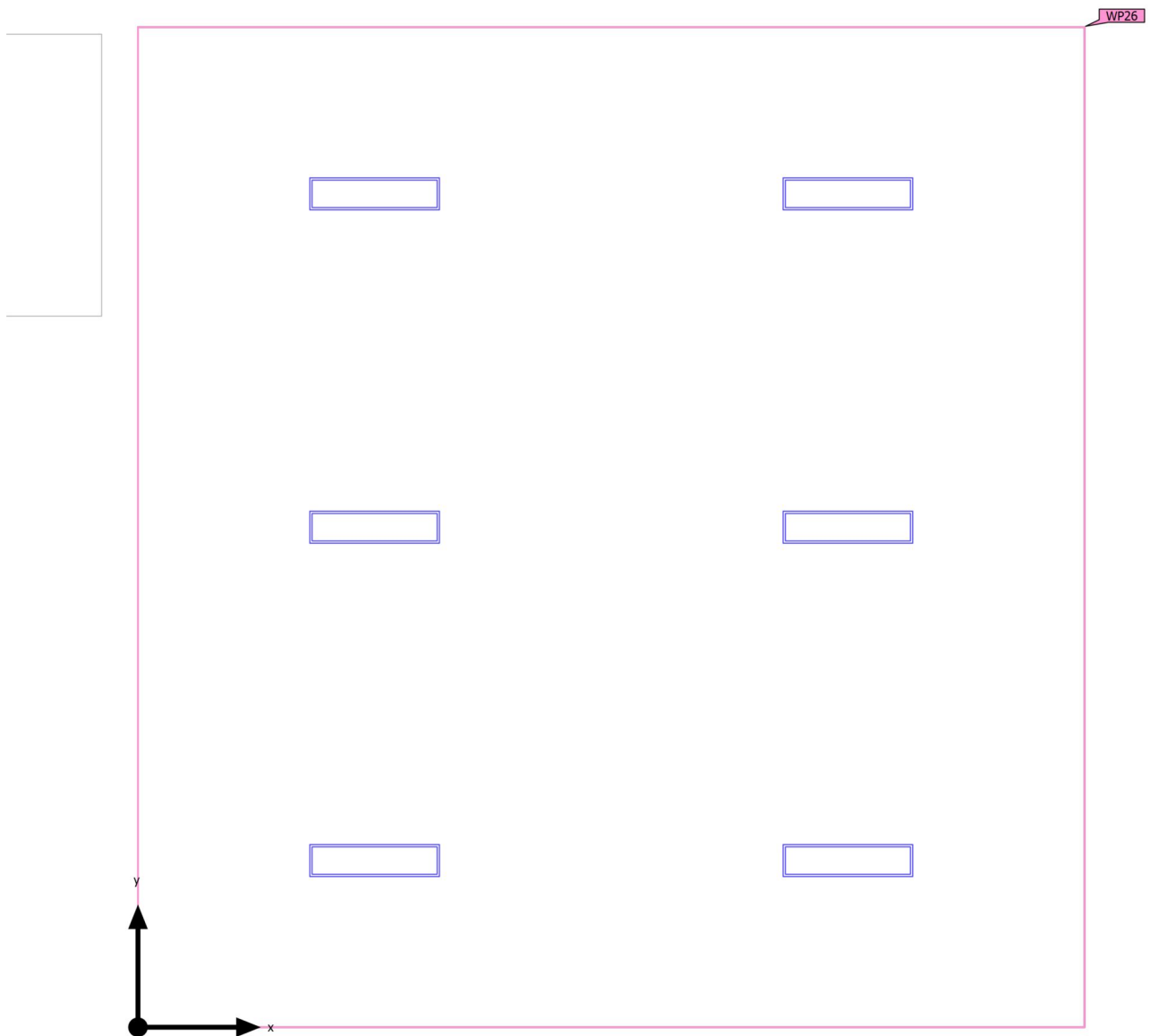
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
6	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects



Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects

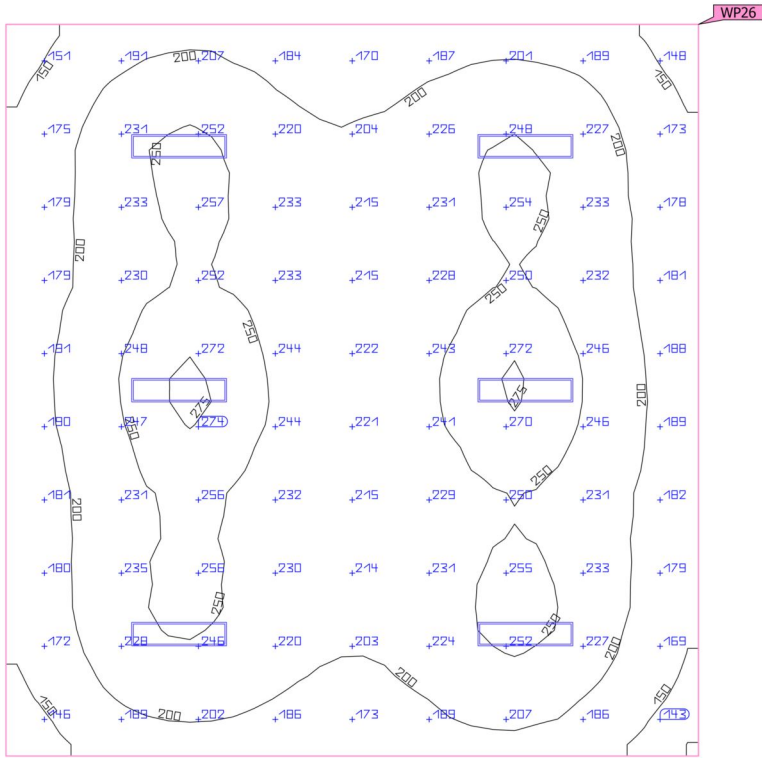
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	216 lx (≥ 100 lx) ✓	125 lx	278 lx	0.58	0.45	WP26

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

Working plane (Koridor)

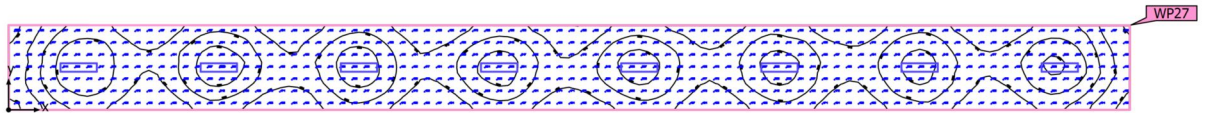


Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor)	216 lx	125 lx	278 lx	0.58	0.45	WP26
Perpendicular illuminance (adaptive)	(≥ 100 lx)					
Height: 0.000 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

Summary



Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	189 lx	≥ 100 lx	✓	WP27
	g_1	0.63	-	-	WP27
Consumption values	Consumption	300 kWh/a	max. 3500 kWh/a	✓	
Room	Lighting power density	2.75 W/m ²	-	-	
		1.45 W/m ² /100 lx	-	-	

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor

Luminaire layout plan



Building 1 · Story 1 · Koridor

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	34.0 W
Article No.	0042879	$\Phi_{\text{Luminaire}}$	3930 lm
Article name	START Panel 1200x300 HE 4100Lm 840 LILO		
Fitting	1x LED		

8 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.265 m / 1.370 m / 2.800 m	2.265 m	1.370 m	2.800 m	1
X-direction	8 pcs., Center - center, 4.529 m	6.794 m	1.370 m	2.800 m	2
Y-direction	1 pcs., Center - center, 2.740 m	11.323 m	1.370 m	2.800 m	3
Arrangement	A1	15.852 m	1.370 m	2.800 m	4
		20.382 m	1.370 m	2.800 m	5
		24.911 m	1.370 m	2.800 m	6
		29.440 m	1.370 m	2.800 m	7
		33.969 m	1.370 m	2.800 m	8

Building 1 · Story 1 · Koridor

Luminaire list Φ_{total}

31440 lm

 P_{total}

272.0 W

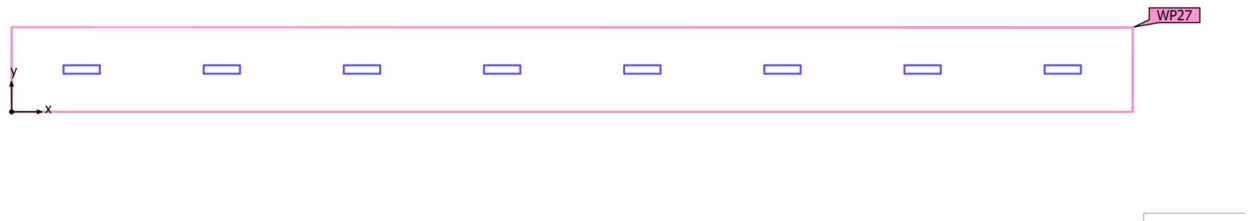
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects



Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects

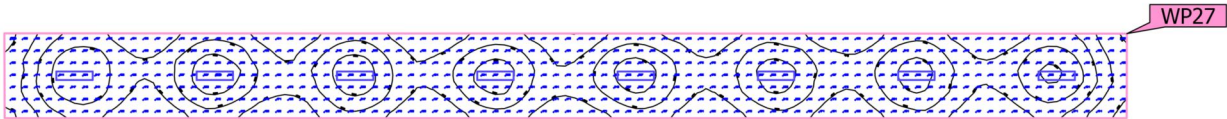
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	189 lx (≥ 100 lx) ✓	119 lx	241 lx	0.63	0.49	WP27

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

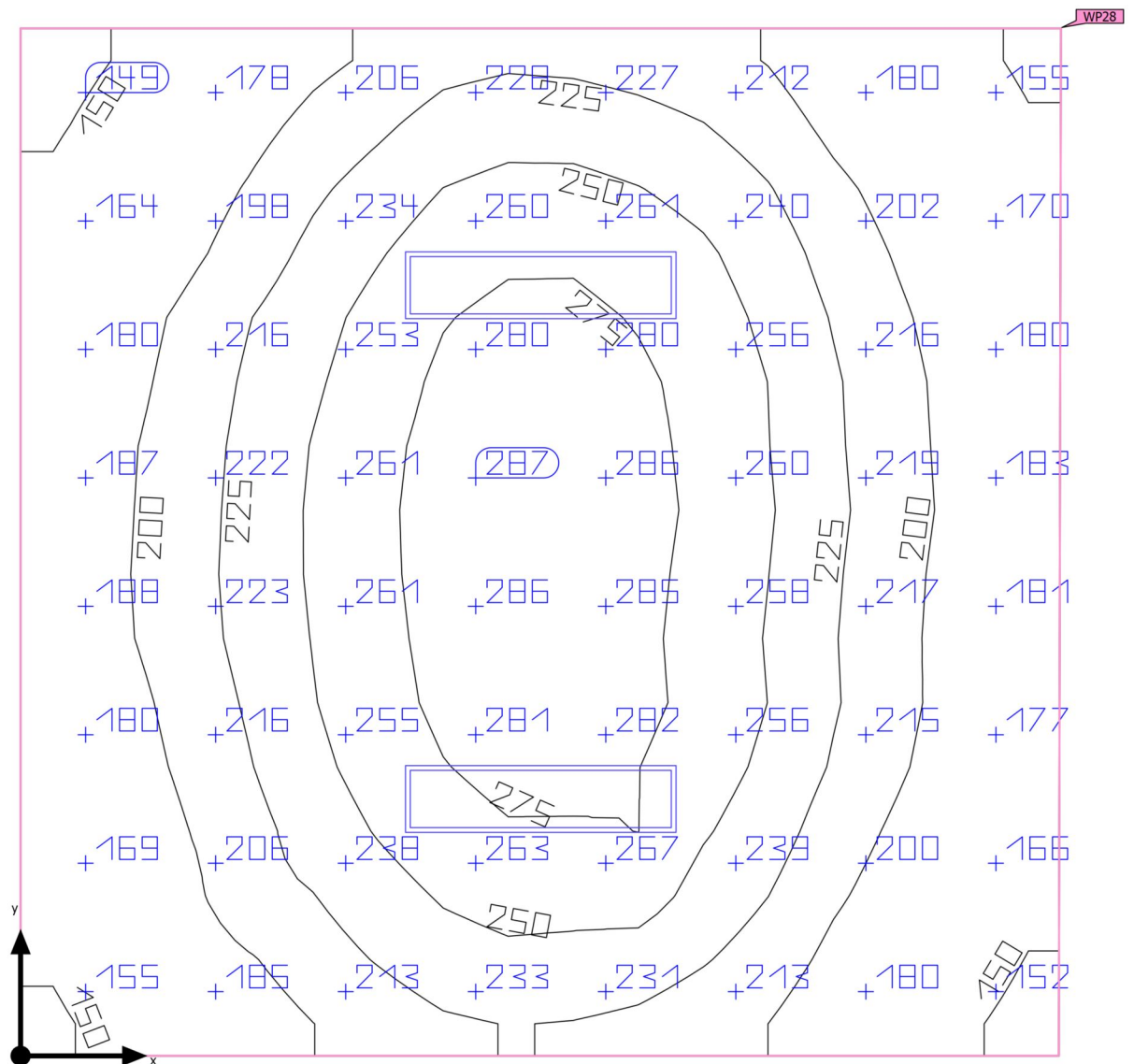
Working plane (Koridor)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	189 lx (≥ 100 lx) ✓	119 lx	241 lx	0.63	0.49	WP27

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Building 1 · Story 1 · Koridor (Light scene 1)

Summary

Results

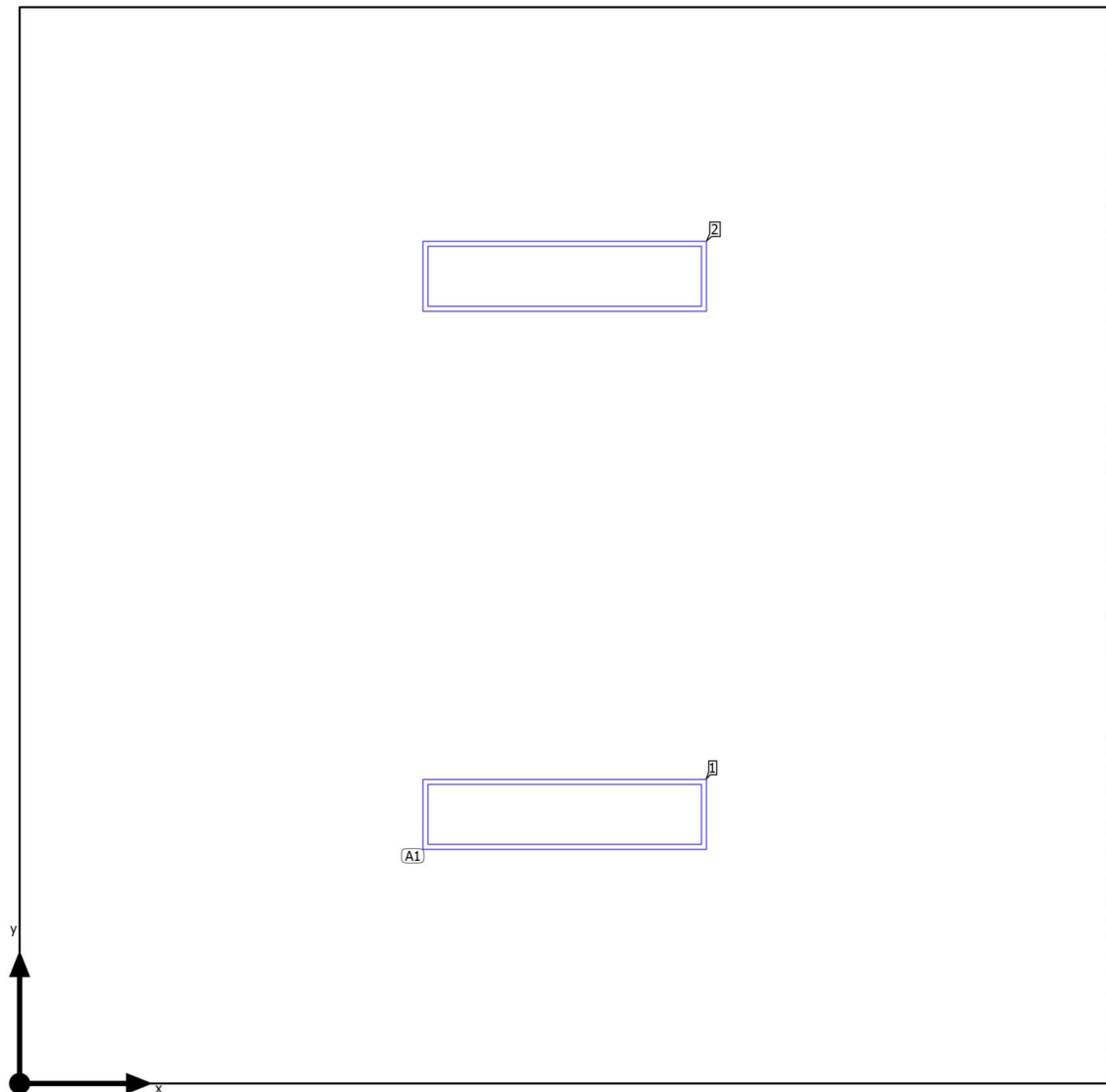
	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	220 lx	≥ 100 lx	✓	WP28
	g_1	0.64	-	-	WP28
Consumption values	Consumption	75 kWh/a	max. 750 kWh/a	✓	
Room	Lighting power density	3.26 W/m ²	-	-	
		1.48 W/m ² /100 lx	-	-	

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor
Luminaire layout plan



Building 1 · Story 1 · Koridor

Luminaire layout plan



Manufacturer	Not yet a DIALux member
Article No.	0042879
Article name	START Panel 1200x300 HE 4100Lm 840 LILO
Fitting	1x LED

P	34.0 W
$\Phi_{\text{Luminaire}}$	3930 lm

2 x Not yet a DIALux member START Panel 1200x300 HE 4100Lm 840 LILO

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.298 m / 1.135 m / 2.800 m	2.298 m	1.135 m	2.800 m	1
X-direction	1 pcs., Center - center, 4.596 m	2.298 m	3.404 m	2.800 m	2
Y-direction	2 pcs., Center - center, 2.269 m				
Arrangement	A1				

Building 1 · Story 1 · Koridor

Luminaire list Φ_{total}

7860 lm

 P_{total}

68.0 W

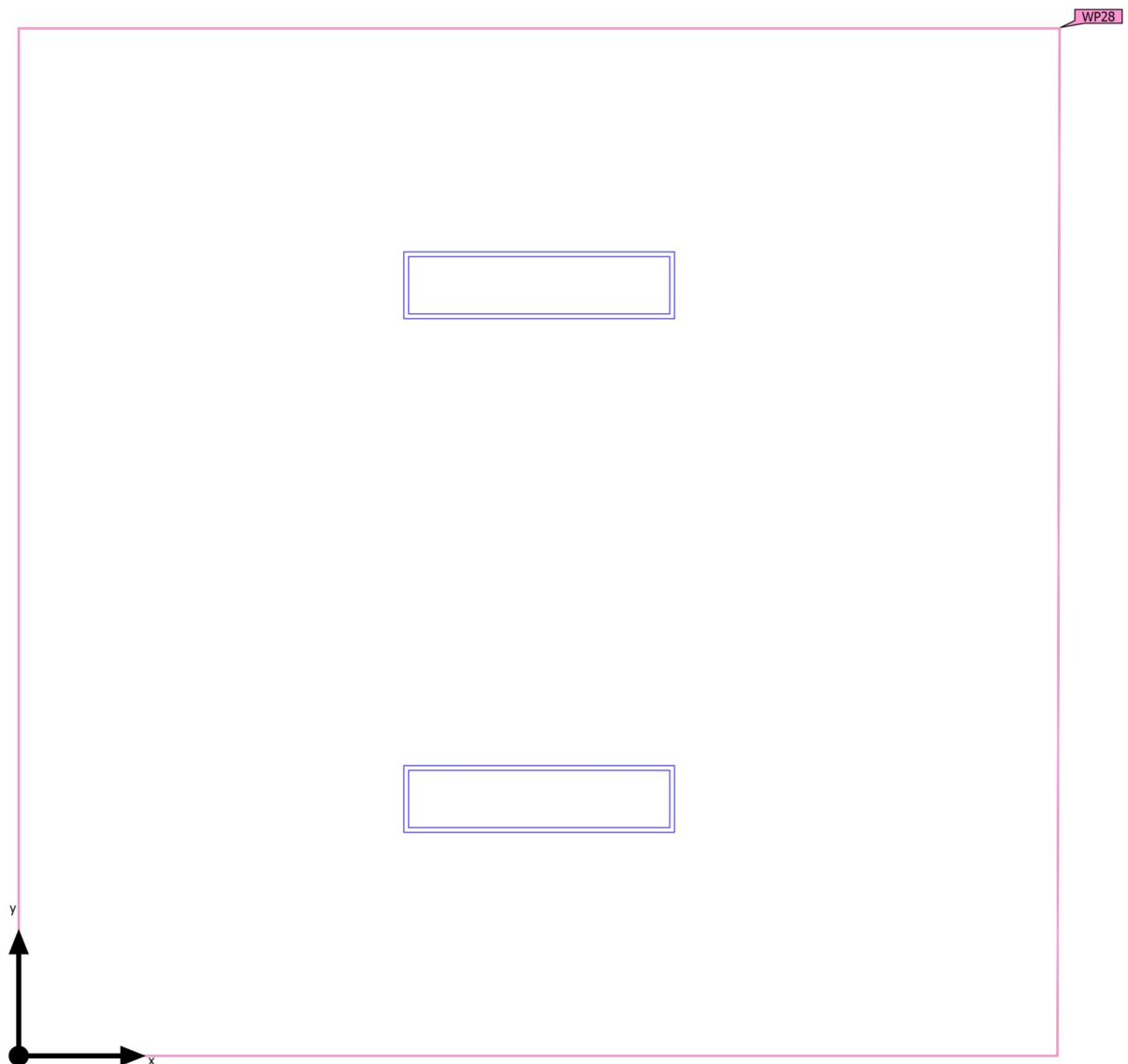
Luminous efficacy

115.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	Not yet a DIALux member	0042879	START Panel 1200x300 HE 4100Lm 840 LILO	34.0 W	3930 lm	115.6 lm/W

Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects



Building 1 · Story 1 · Koridor (Light scene 1)

Calculation objects

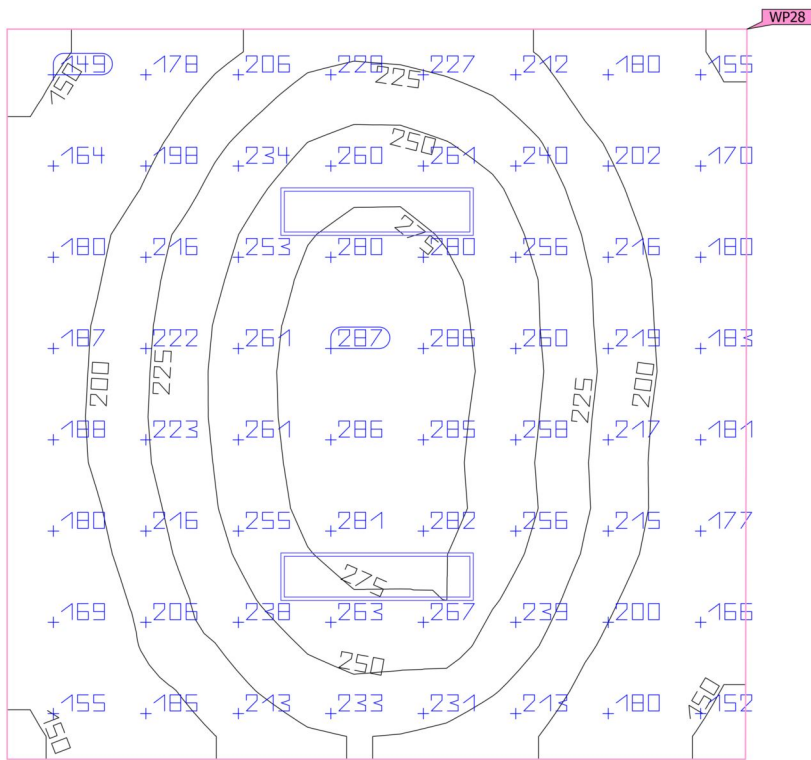
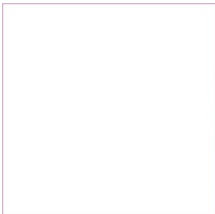
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	220 lx (≥ 100 lx) ✓	140 lx	290 lx	0.64	0.48	WP28

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Koridor (Light scene 1)

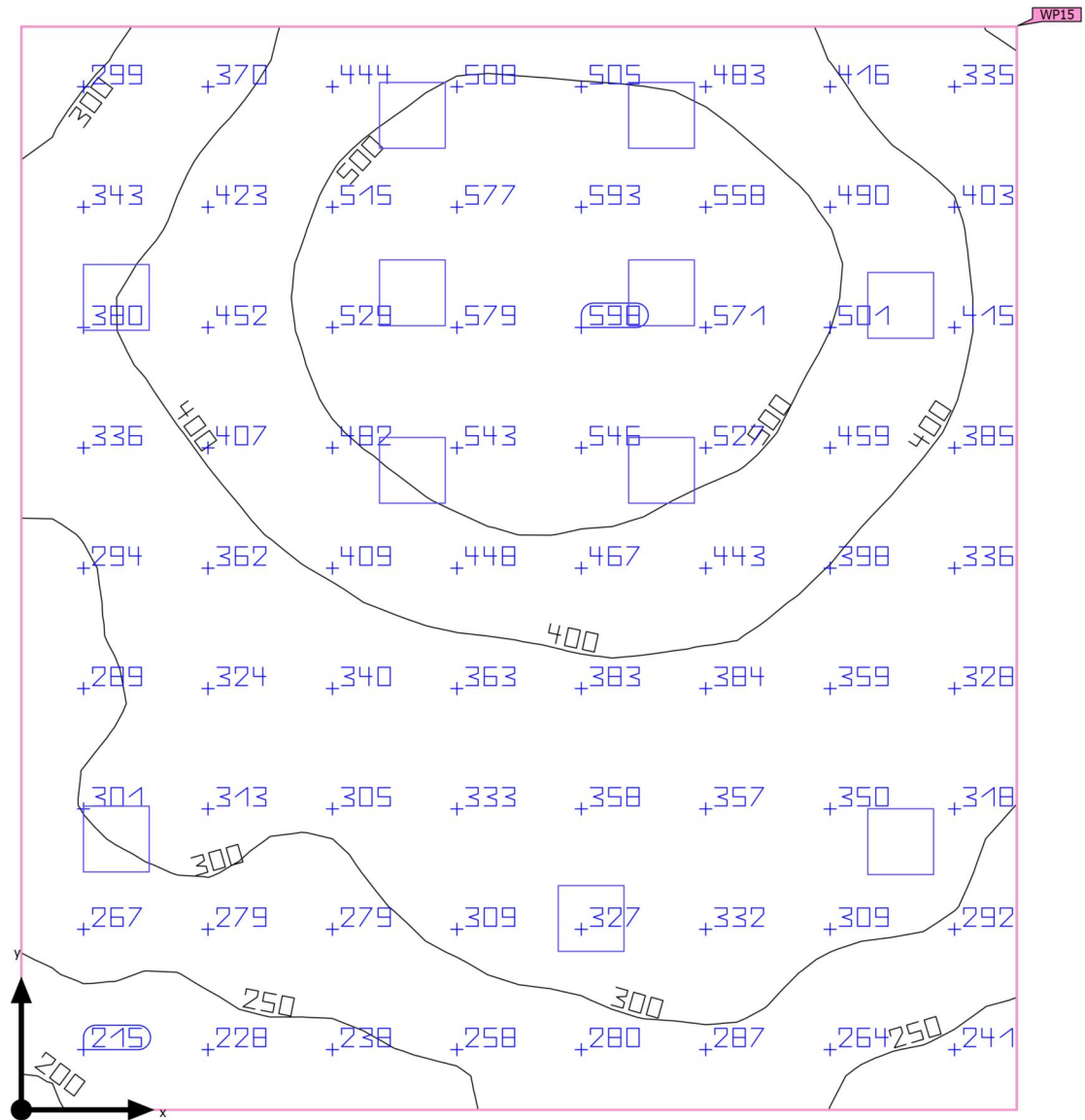
Working plane (Koridor)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Koridor)	220 lx	140 lx	290 lx	0.64	0.48	WP28
Perpendicular illuminance (adaptive)	(≥ 100 lx)					
Height: 0.000 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Rooms for general use, Corridors: During the day

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	387 lx	≥ 200 lx	✓	WP15
	g_1	0.51	-	-	WP15
Consumption values	Consumption	220 kWh/a	max. 1150 kWh/a	✓	
Room	Lighting power density	8.10 W/m ²	-	-	
		2.09 W/m ² /100 lx	-	-	

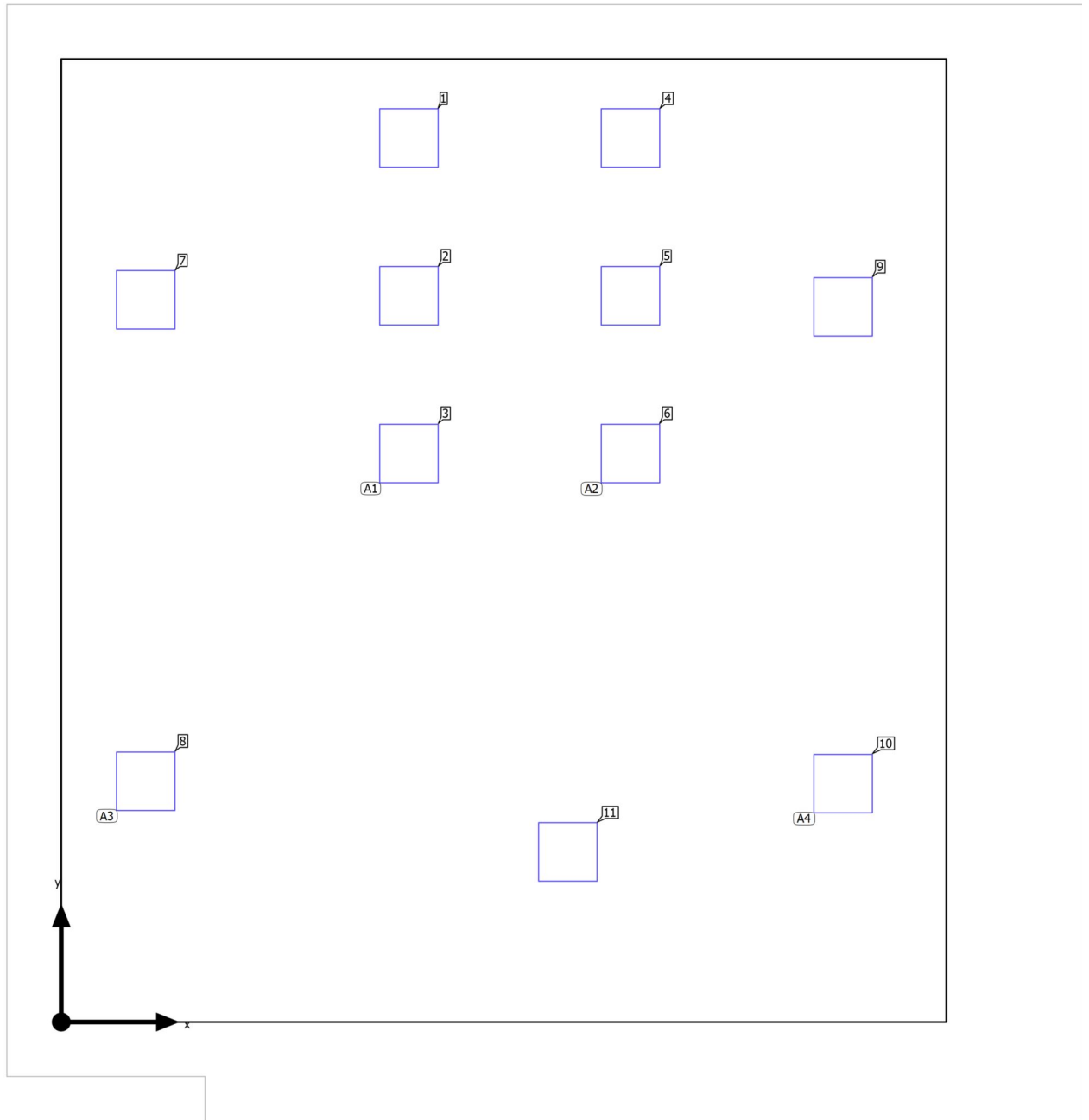
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
11	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

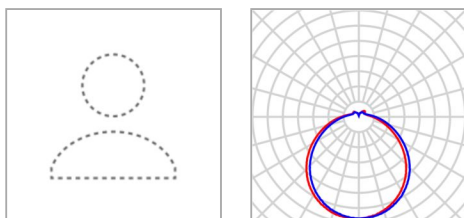
Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	23.8 W
Article No.	0043438	$\Phi_{\text{Luminaire}}$	1800 lm
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone		
Fitting	1x 0043438		

3 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.141 m / 5.444 m / 2.800 m	2.141 m	5.444 m	2.800 m	1
X-direction	3 pcs., Center - center, 0.972 m	2.141 m	4.472 m	2.800 m	2
Arrangement	A1	2.141 m	3.501 m	2.800 m	3

3 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	3.505 m / 5.444 m / 2.800 m	3.505 m	5.444 m	2.800 m	4
X-direction	3 pcs., Center - center, 0.972 m	3.505 m	4.472 m	2.800 m	5
Arrangement	A2	3.505 m	3.501 m	2.800 m	6

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Building 1 · Story 1 · Tualet

Luminaire layout plan

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.520 m / 4.447 m / 2.800 m	0.520 m	4.447 m	2.800 m	7
X-direction	2 pcs., Center - center, 2.965 m	0.520 m	1.482 m	2.800 m	8
Arrangement	A3				

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	4.815 m / 4.404 m / 2.800 m	4.815 m	4.404 m	2.800 m	9
X-direction	2 pcs., Center - center, 2.936 m	4.815 m	1.468 m	2.800 m	10
Arrangement	A4				

Individual luminaires

X	Y	Mounting height	Luminaire
3.120 m	1.048 m	2.800 m	11

Building 1 · Story 1 · Tualet

Luminaire list Φ_{total}

19800 lm

 P_{total}

261.8 W

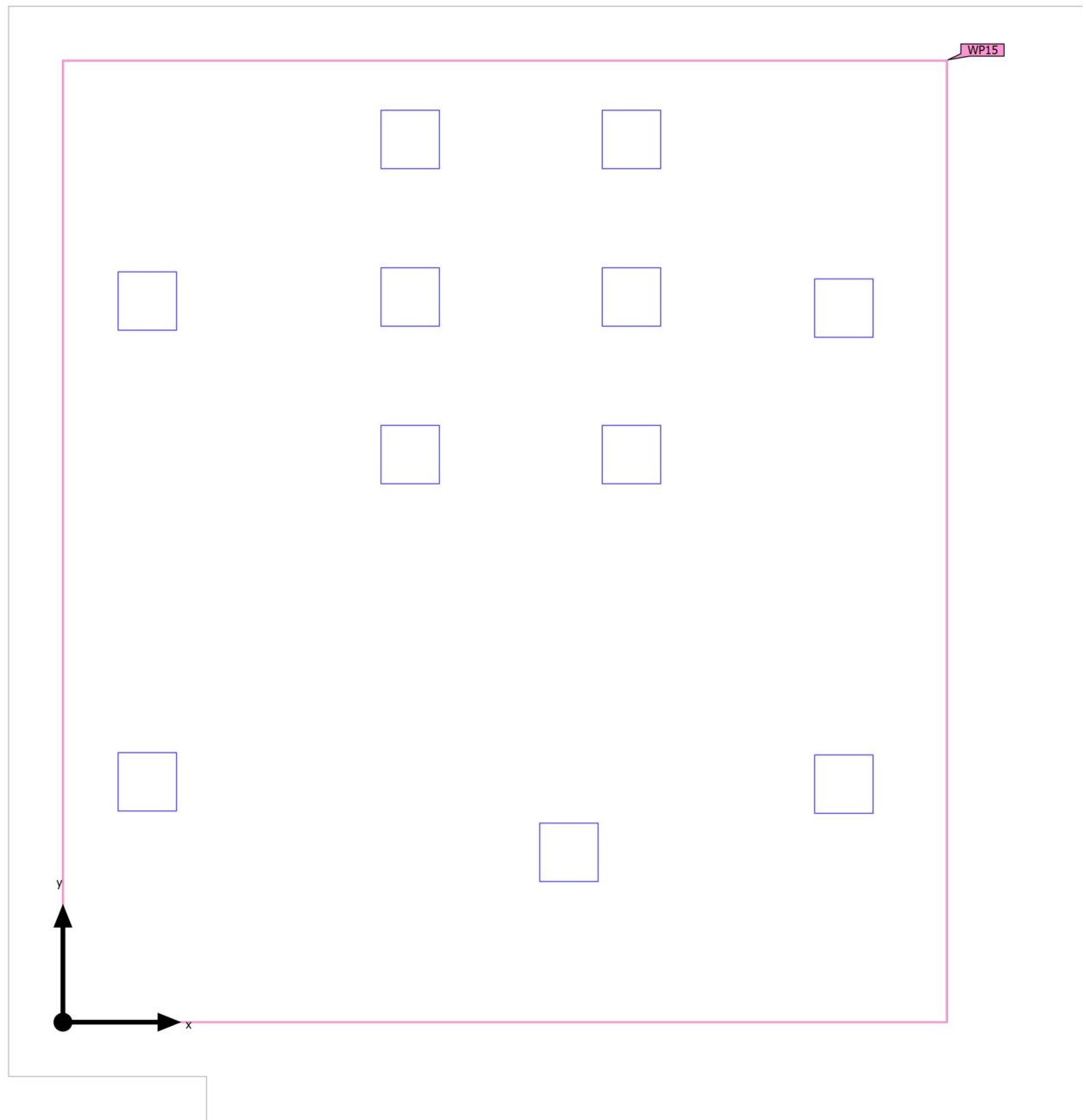
Luminous efficacy

75.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
11	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects

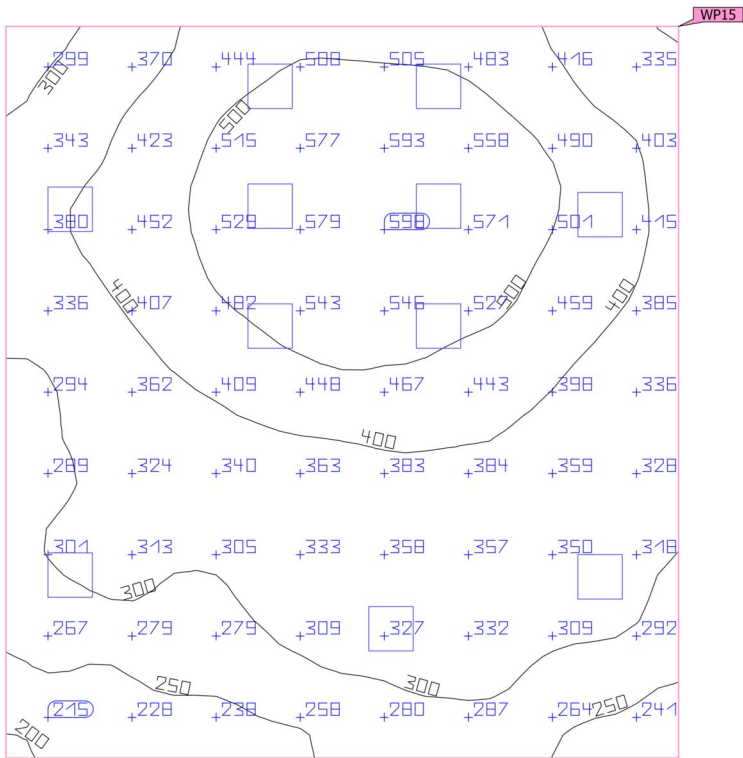
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	387 lx (≥ 200 lx) ✓	199 lx	600 lx	0.51	0.33	WP15

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

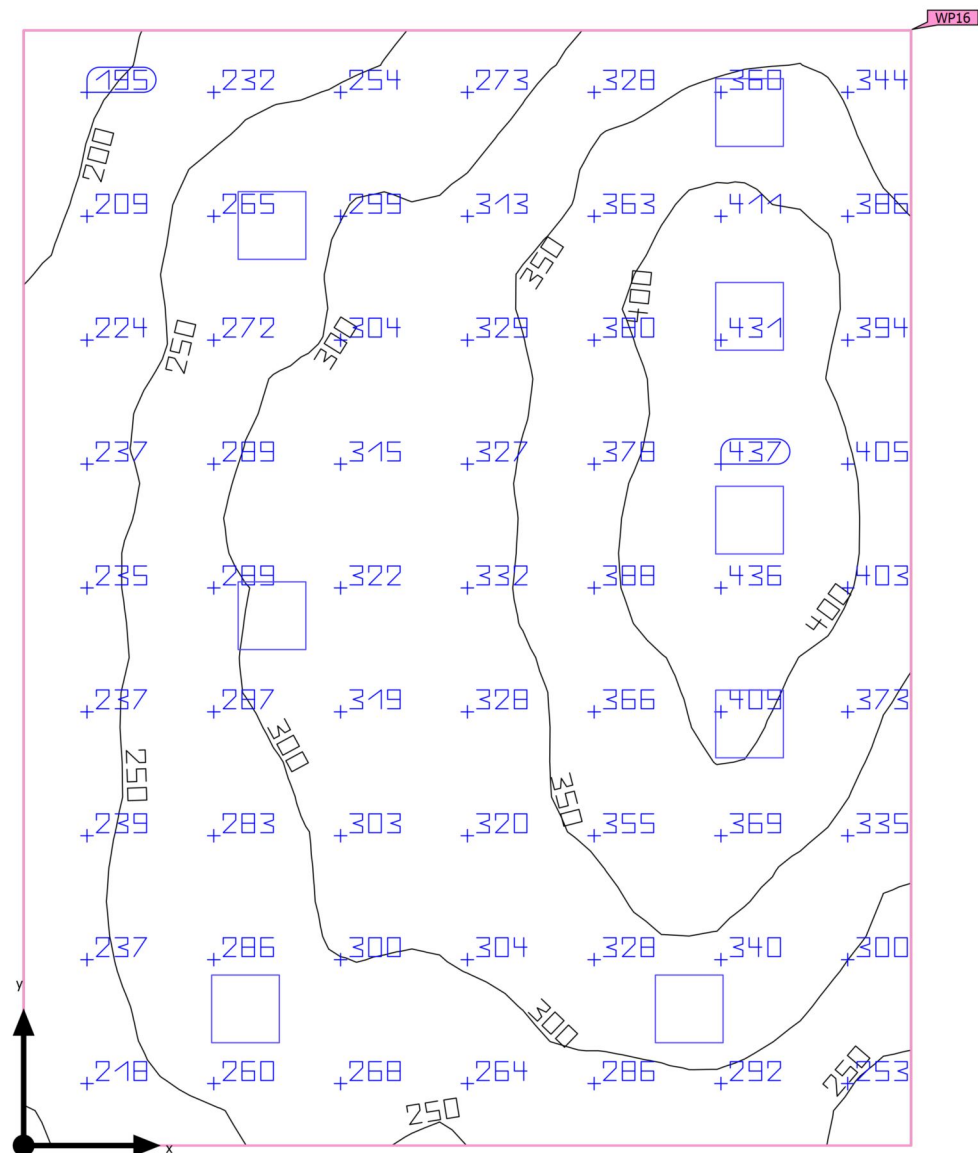
Working plane (Tualet)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet)	387 lx	199 lx	600 lx	0.51	0.33	WP15
Perpendicular illuminance (adaptive)	(≥ 200 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	314 lx	≥ 200 lx	✓	WP16
	g_1	0.56	-	-	WP16
Consumption values	Consumption	160 kWh/a	max. 1000 kWh/a	✓	
Room	Lighting power density	6.80 W/m ²	-	-	
		2.17 W/m ² /100 lx	-	-	

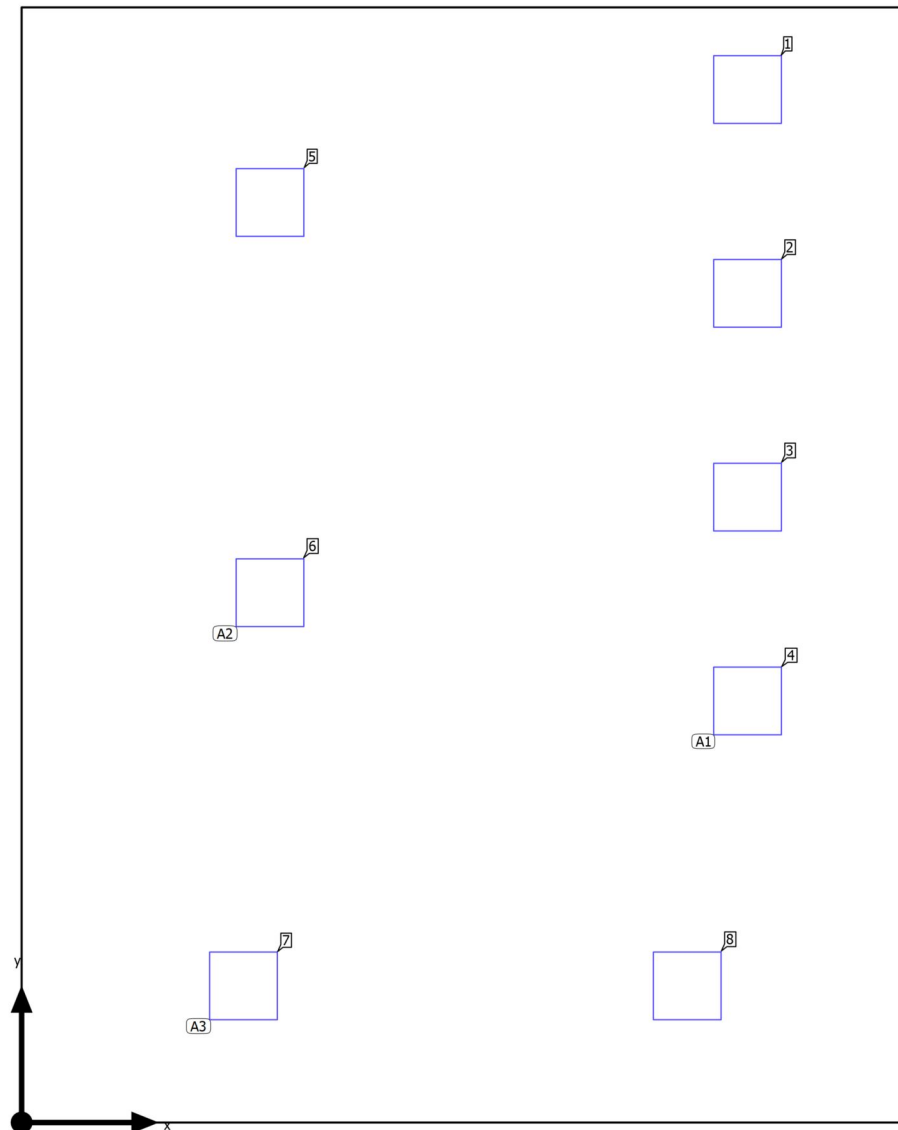
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

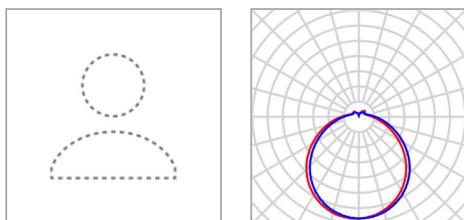
Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan



Manufacturer	Not yet a DIALux member
Article No.	0043438
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone
Fitting	1x 0043438

P	23.8 W
$\Phi_{\text{Luminaire}}$	1800 lm

4 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	3.861 m / 5.493 m / 2.800 m	3.861 m	5.493 m	2.800 m	1
X-direction	4 pcs., Center - center, 1.084 m	3.861 m	4.409 m	2.800 m	2
		3.861 m	3.326 m	2.800 m	3
Arrangement	A1	3.861 m	2.242 m	2.800 m	4

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.321 m / 4.892 m / 2.800 m	1.321 m	4.892 m	2.800 m	5
X-direction	2 pcs., Center - center, 2.075 m	1.321 m	2.817 m	2.800 m	6
Arrangement	A2				

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Building 1 · Story 1 · Tualet

Luminaire layout plan

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.180 m / 0.727 m / 2.800 m	1.180 m	0.727 m	2.800 m	7
X-direction	2 pcs., Center - center, 2.360 m	3.540 m	0.727 m	2.800 m	8
Arrangement	A3				

Building 1 · Story 1 · Tualet

Luminaire list Φ_{total}

14400 lm

 P_{total}

190.4 W

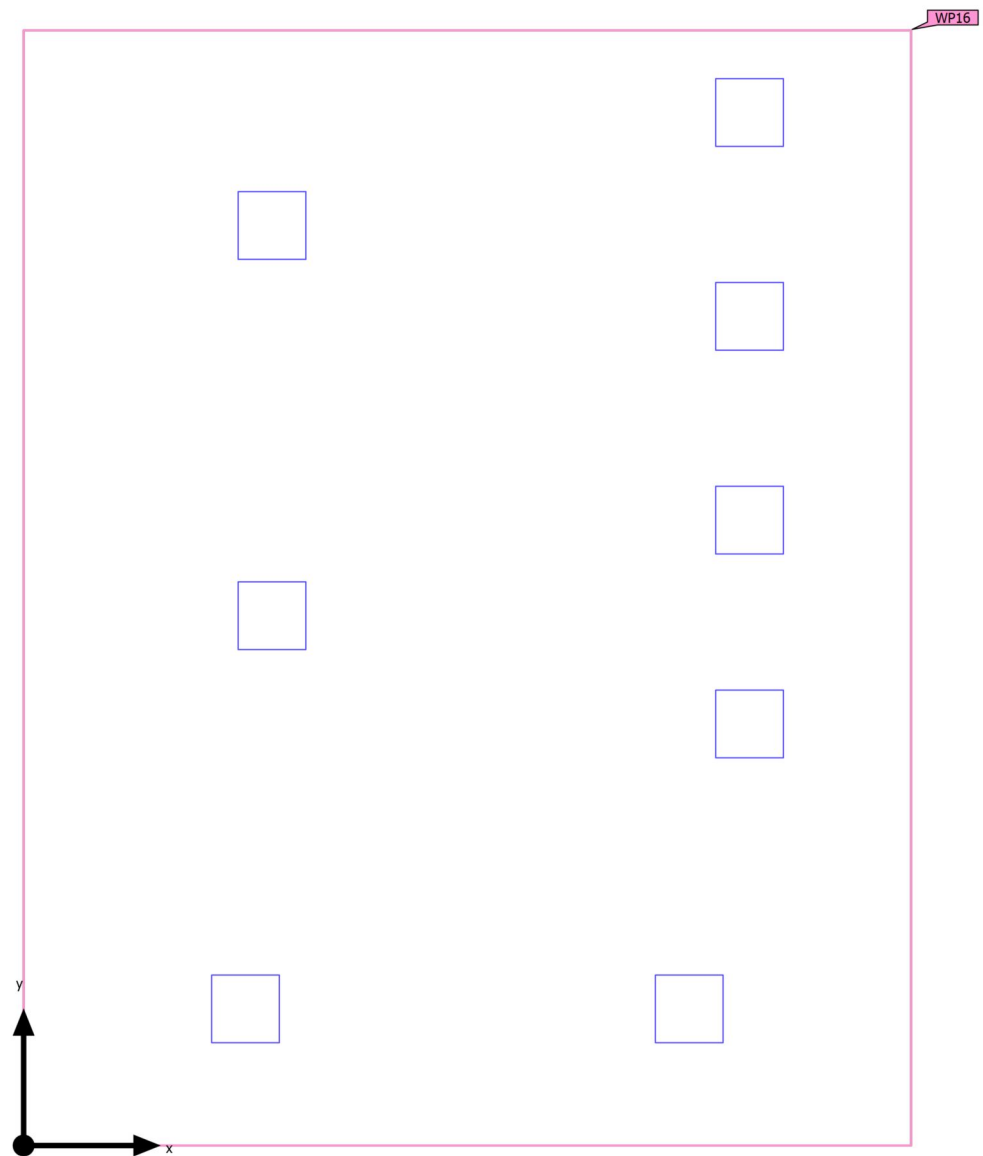
Luminous efficacy

75.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

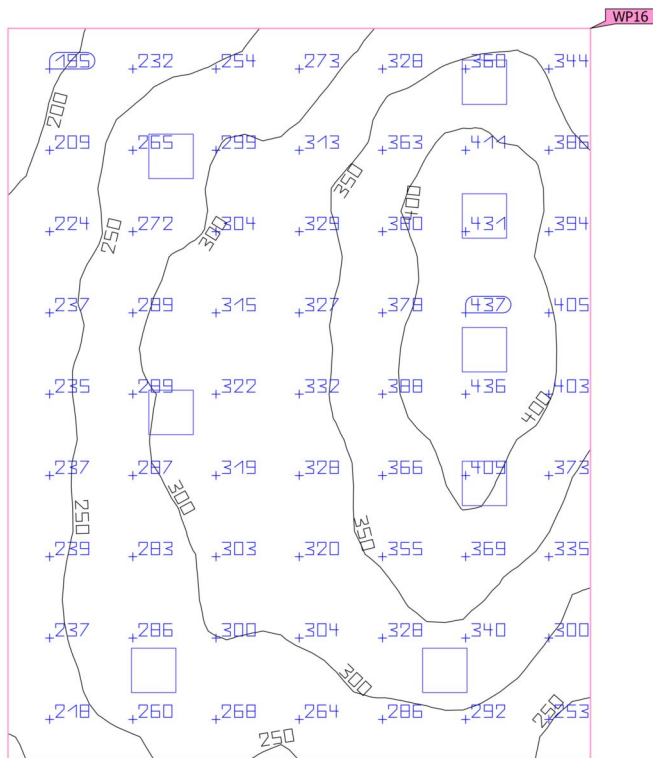
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	314 lx (≥ 200 lx) ✓	177 lx	442 lx	0.56	0.40	WP16

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

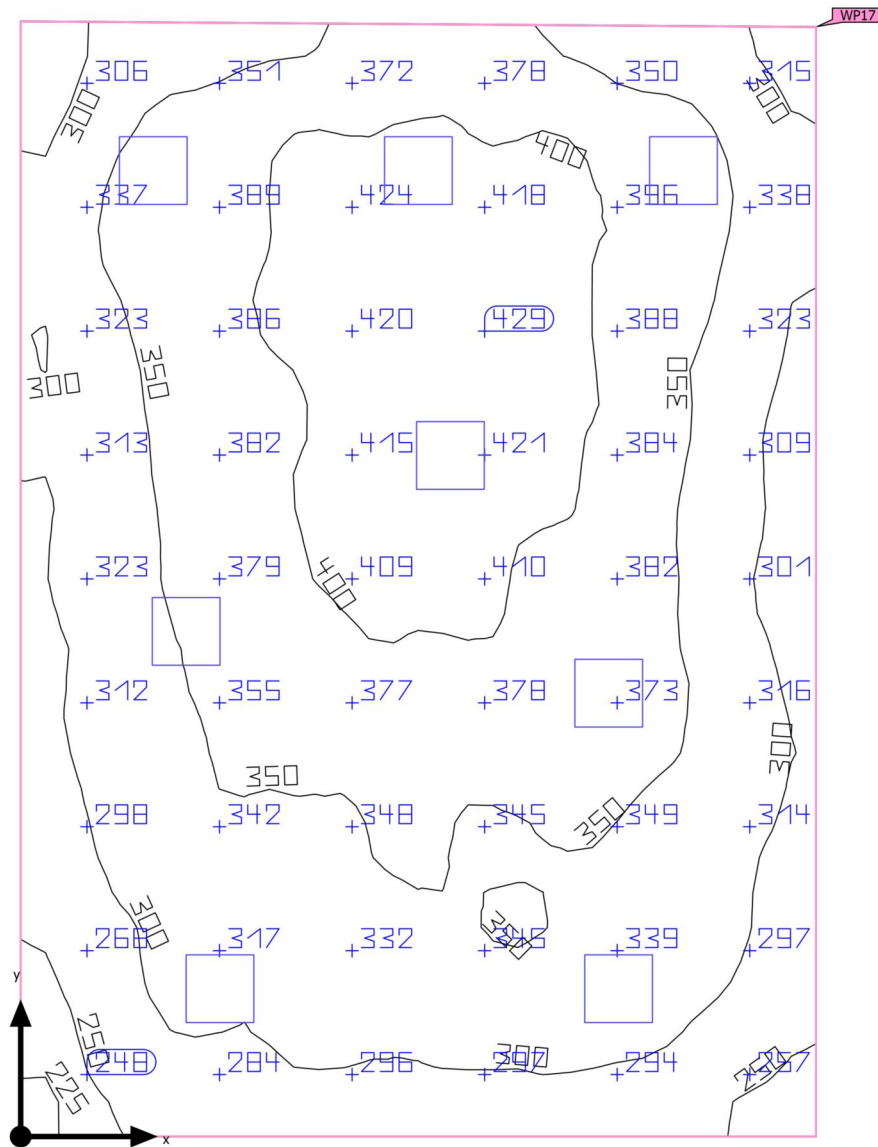
Building 1 · Story 1 · Tualet (Light scene 1)

Working plane (Tualet)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet)	314 lx	177 lx	442 lx	0.56	0.40	WP16
Perpendicular illuminance (adaptive)	(≥ 200 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	347 lx	≥ 200 lx	✓	WP17
	g_1	0.63	-	-	WP17
Consumption values	Consumption	160 kWh/a	max. 900 kWh/a	✓	
Room	Lighting power density	7.61 W/m ²	-	-	
		2.19 W/m ² /100 lx	-	-	

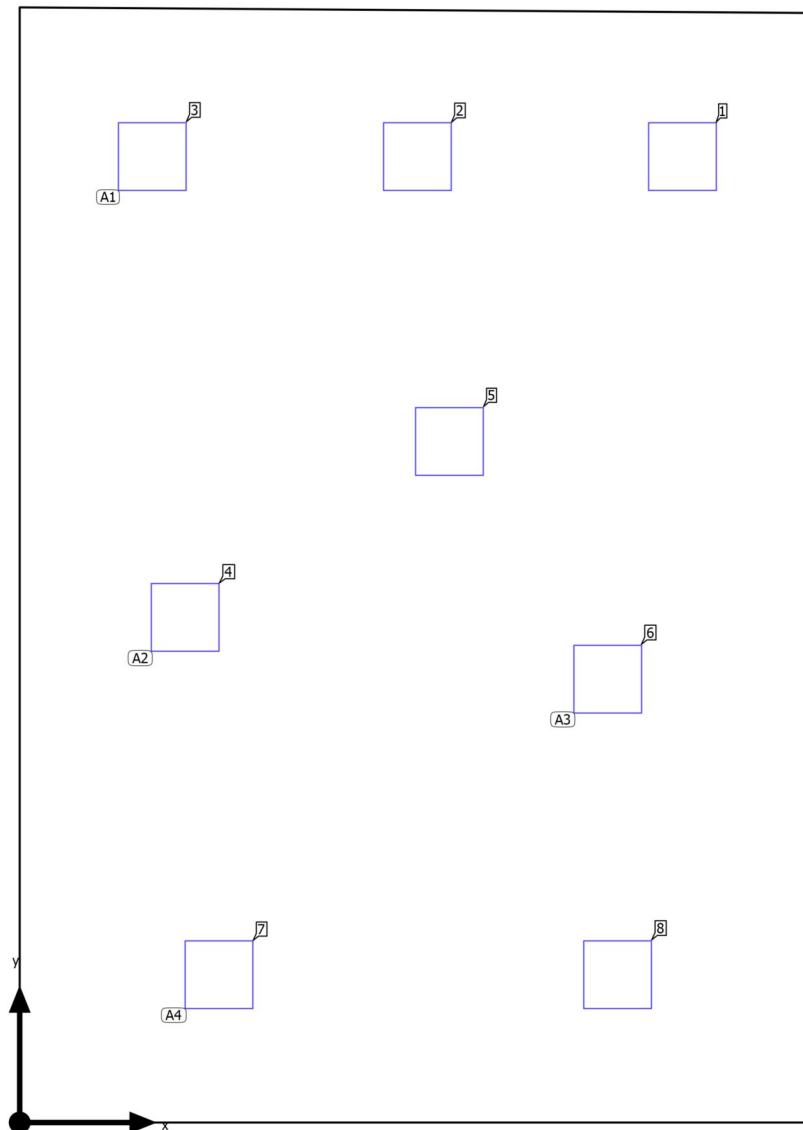
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

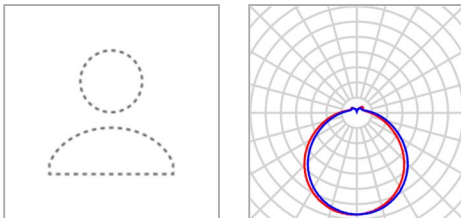
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	23.8 W
Article No.	0043438	$\Phi_{\text{Luminaire}}$	1800 lm
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone		
Fitting	1x 0043438		

3 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	3.525 m / 5.136 m / 2.800 m	3.525 m	5.136 m	2.800 m	1
X-direction	3 pcs., Center - center, 1.410 m	2.115 m	5.136 m	2.800 m	2
Arrangement	A1	0.705 m	5.136 m	2.800 m	3

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.880 m / 2.686 m / 2.800 m	0.880 m	2.686 m	2.800 m	4
X-direction	2 pcs., Center - center, Distances not equal	2.285 m	3.622 m	2.800 m	5
Arrangement	A2				

1 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Building 1 · Story 1 · Tualet

Luminaire layout plan

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	3.127 m / 2.357 m / 2.800 m	3.127 m	2.357 m	2.800 m	6
X-direction	1 pcs., Center - center, 2.225 m				
Arrangement	A3				

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.060 m / 0.786 m / 2.800 m	1.060 m	0.786 m	2.800 m	7
X-direction	2 pcs., Center - center, 2.120 m	3.180 m	0.786 m	2.800 m	8
Arrangement	A4				

Building 1 · Story 1 · Tualet

Luminaire list Φ_{total}

14400 lm

 P_{total}

190.4 W

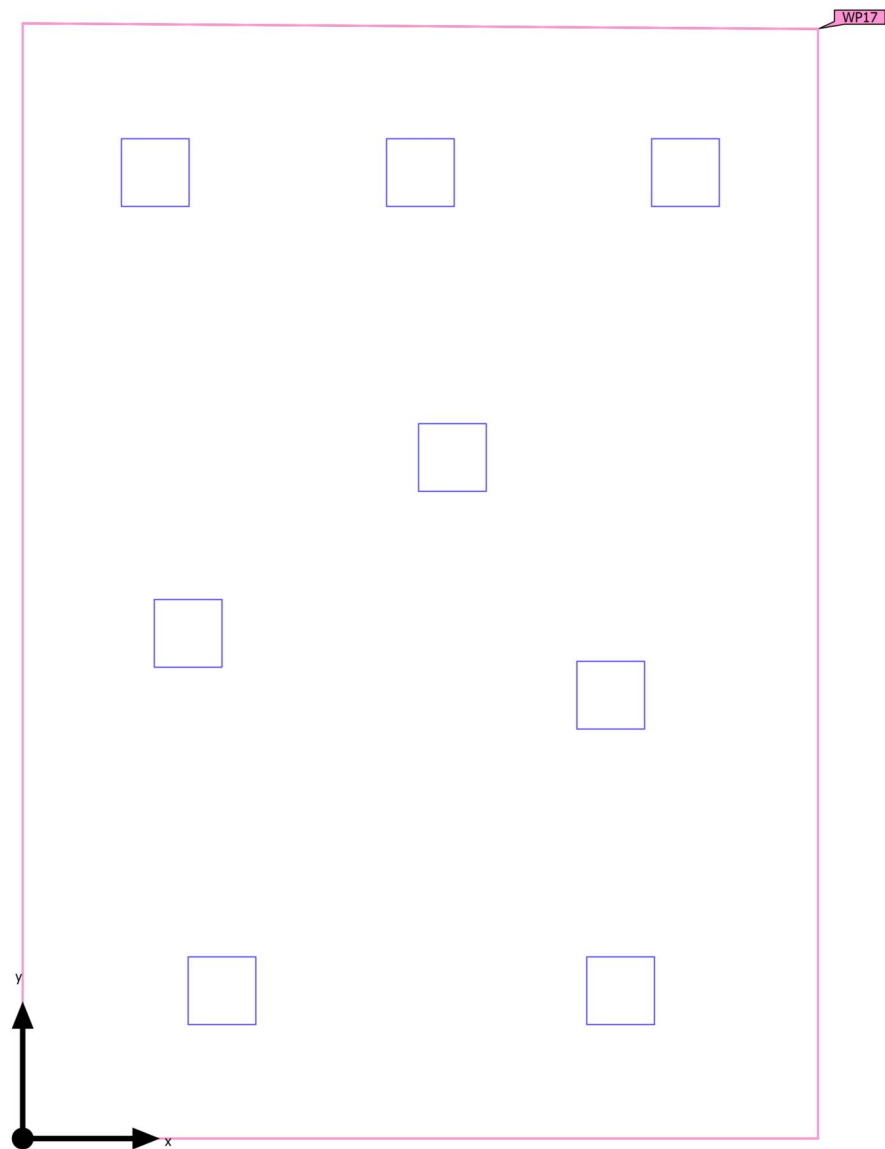
Luminous efficacy

75.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
8	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects

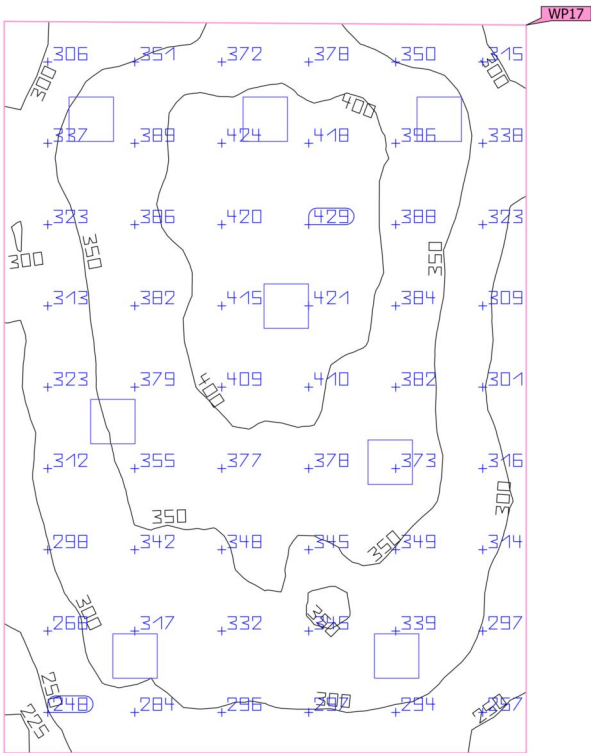
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	347 lx (≥ 200 lx) ✓	219 lx	435 lx	0.63	0.50	WP17

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

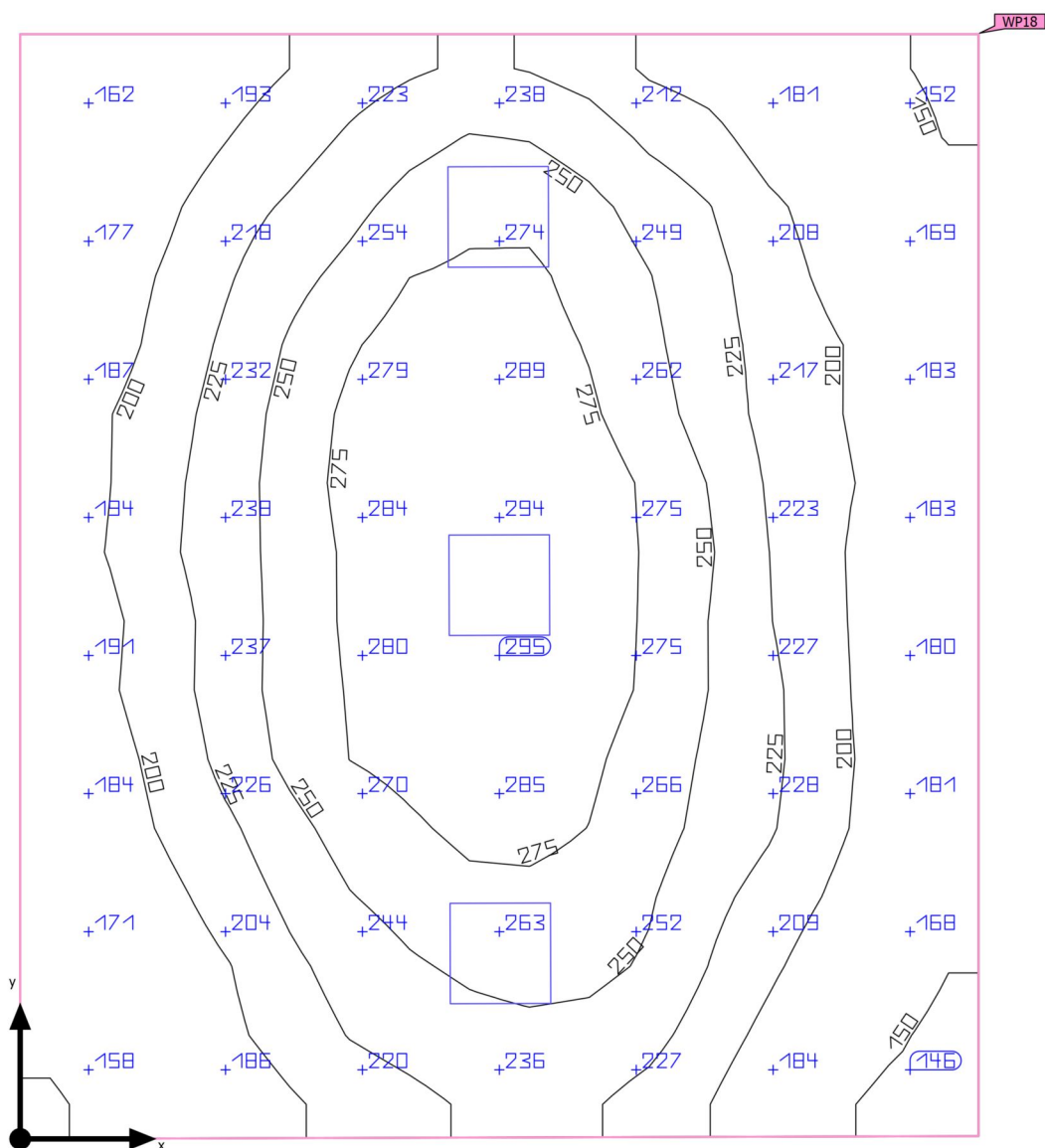
Working plane (Tualet)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet)	347 lx	219 lx	435 lx	0.63	0.50	WP17
Perpendicular illuminance (adaptive)	(≥ 200 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	222 lx	≥ 200 lx	✓	WP18
	g_1	0.64	-	-	WP18
Consumption values	Consumption	59 kWh/a	max. 500 kWh/a	✓	
Room	Lighting power density	5.25 W/m ²	-	-	
		2.36 W/m ² /100 lx	-	-	

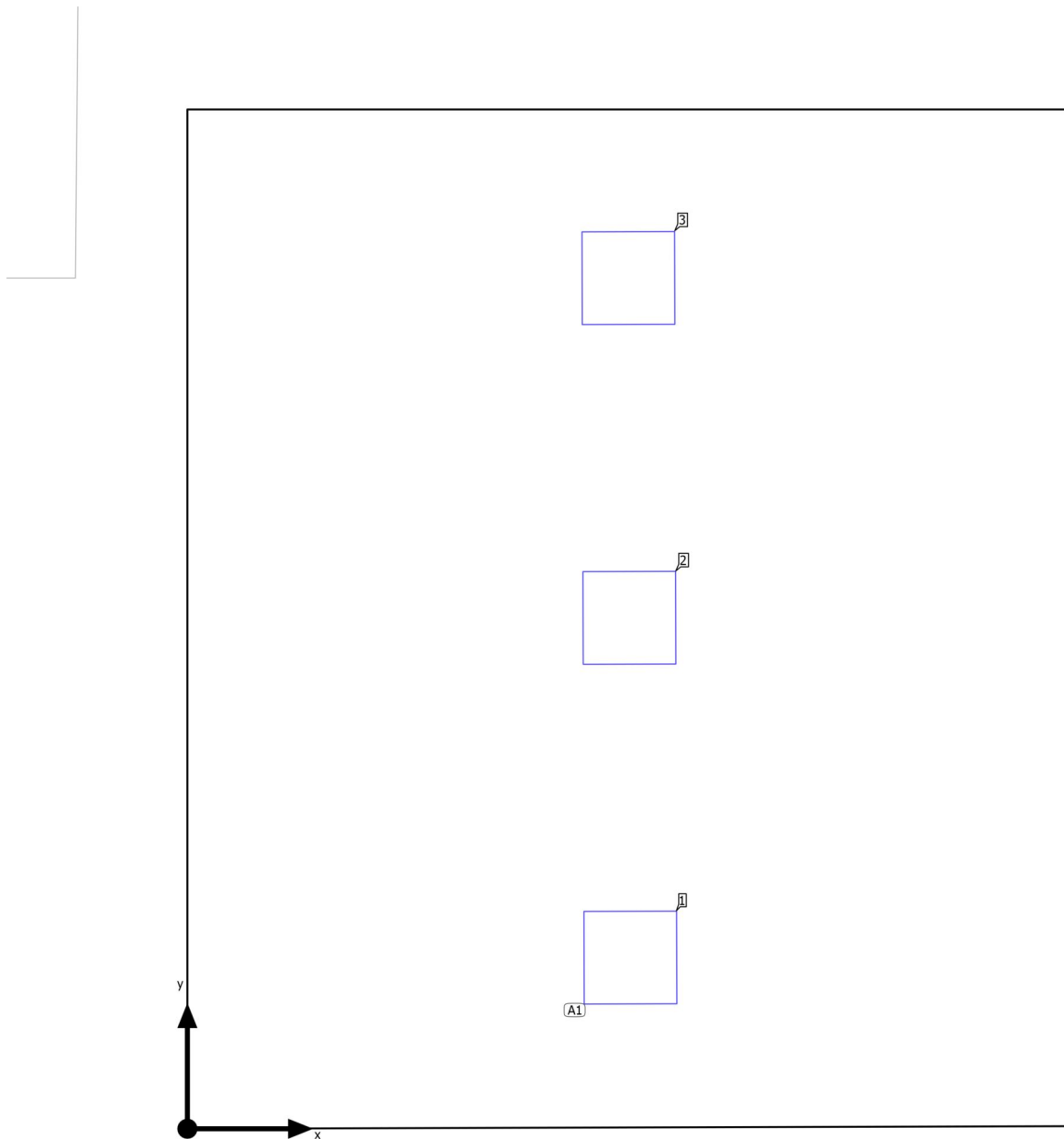
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

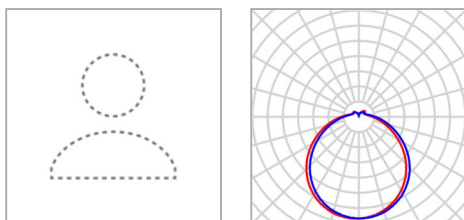
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan

Manufacturer	Not yet a DIALux member
Article No.	0043438
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone
Fitting	1x 0043438

P	23.8 W
$\Phi_{\text{Luminaire}}$	1800 lm

3 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.722 m / 0.665 m / 2.800 m	1.722 m	0.665 m	2.800 m	1
X-direction	1 pcs., Center - center, 3.447 m	1.718 m	1.986 m	2.800 m	2
Y-direction	3 pcs., Center - center, 1.320 m	1.714 m	3.306 m	2.800 m	3
Arrangement	A1				

Building 1 · Story 1 · Tualet

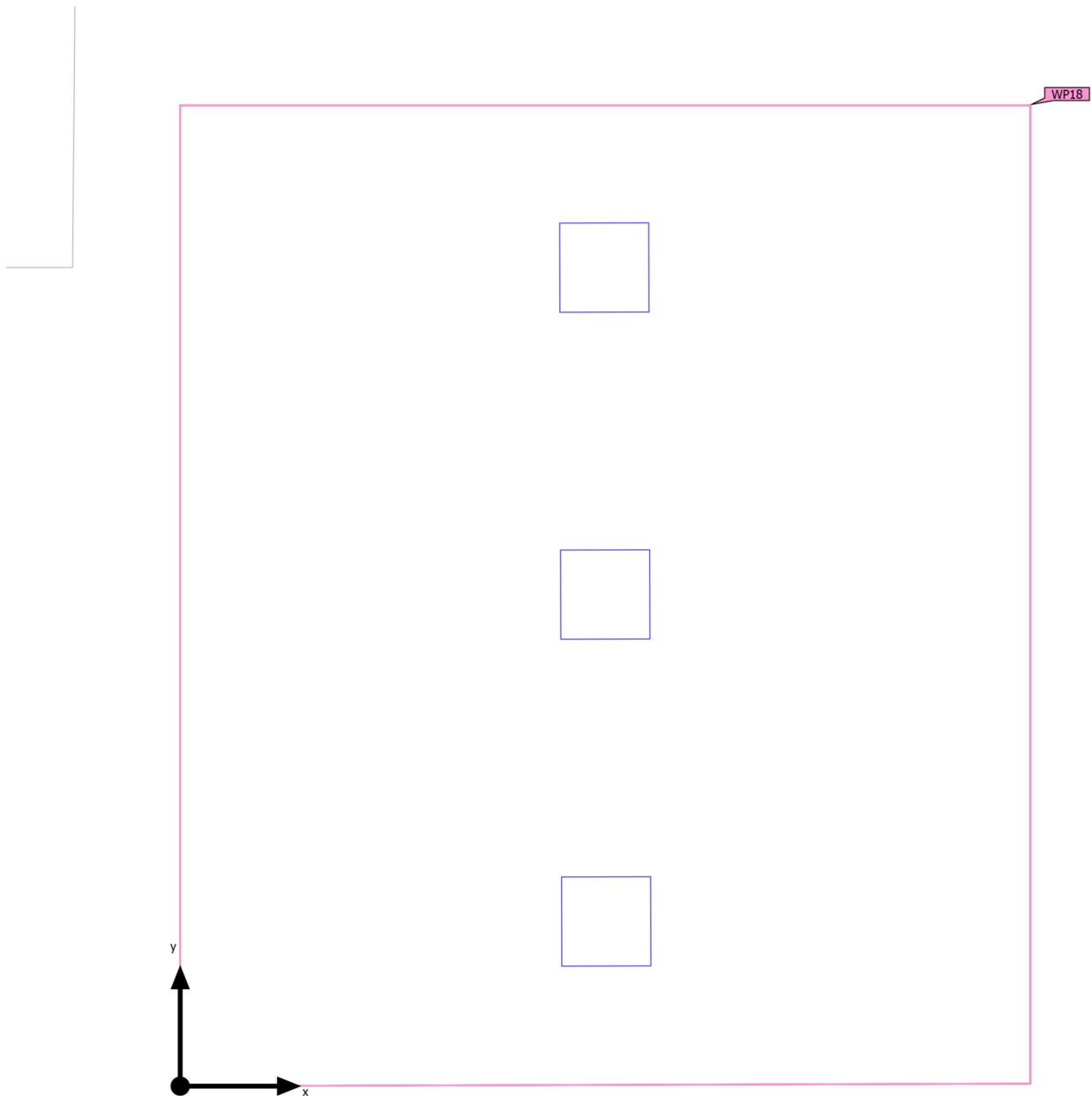
Luminaire list

Φ_{total} 5400 lm	P_{total} 71.4 W	Luminous efficacy 75.6 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects

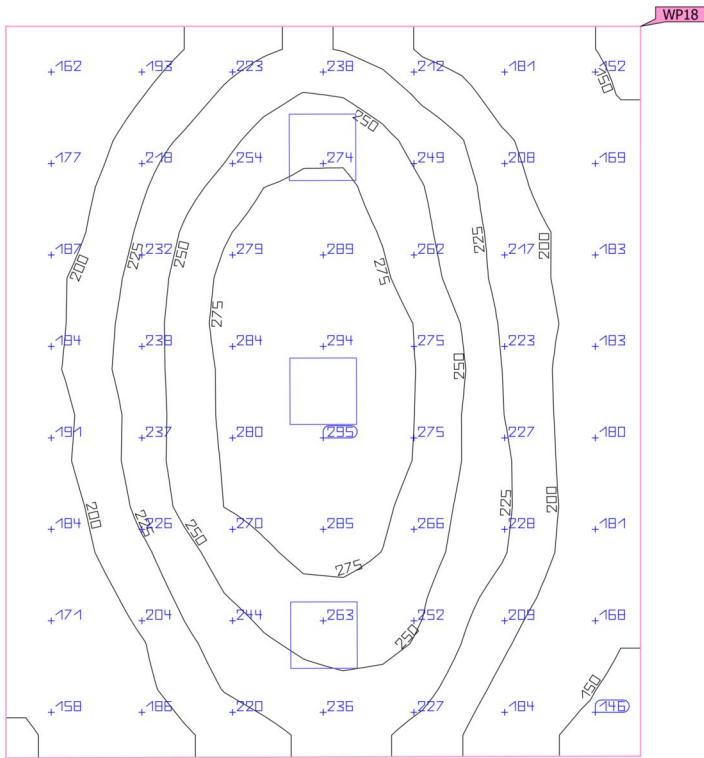
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	222 lx (≥ 200 lx) ✓	141 lx	296 lx	0.64	0.48	WP18

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

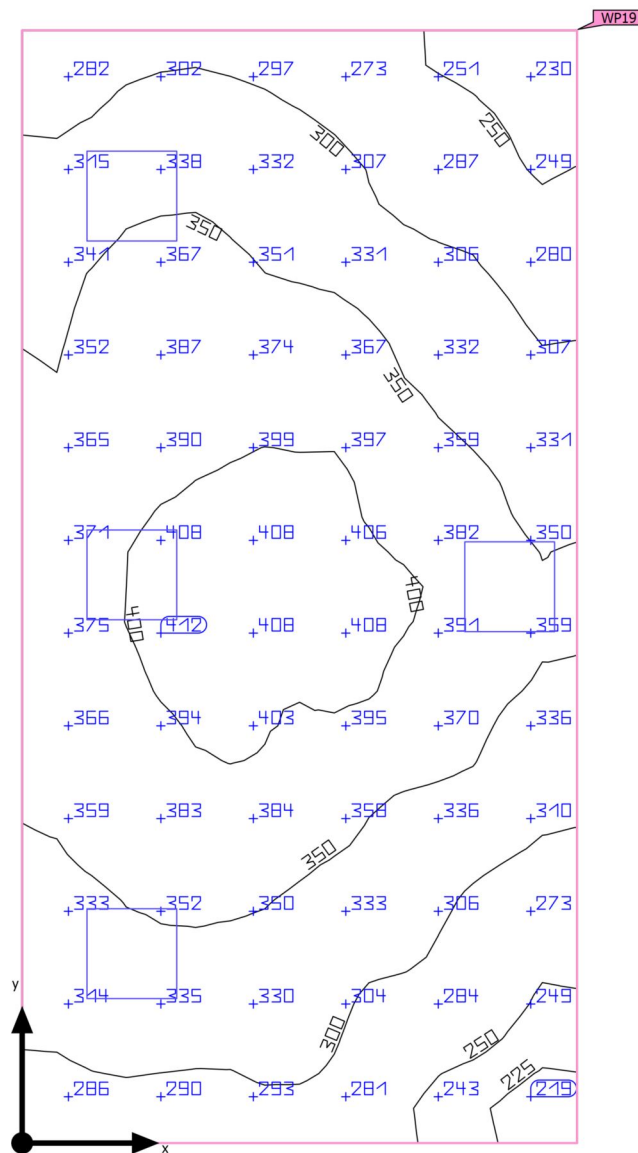
Working plane (Tualet)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet)	222 lx	141 lx	296 lx	0.64	0.48	WP18
Perpendicular illuminance (adaptive)	(≥ 200 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	337 lx	≥ 200 lx	✓	WP19
	g_1	0.64	-	-	WP19
Consumption values	Consumption	79 kWh/a	max. 350 kWh/a	✓	
Room	Lighting power density	9.59 W/m ²	-	-	
		2.84 W/m ² /100 lx	-	-	

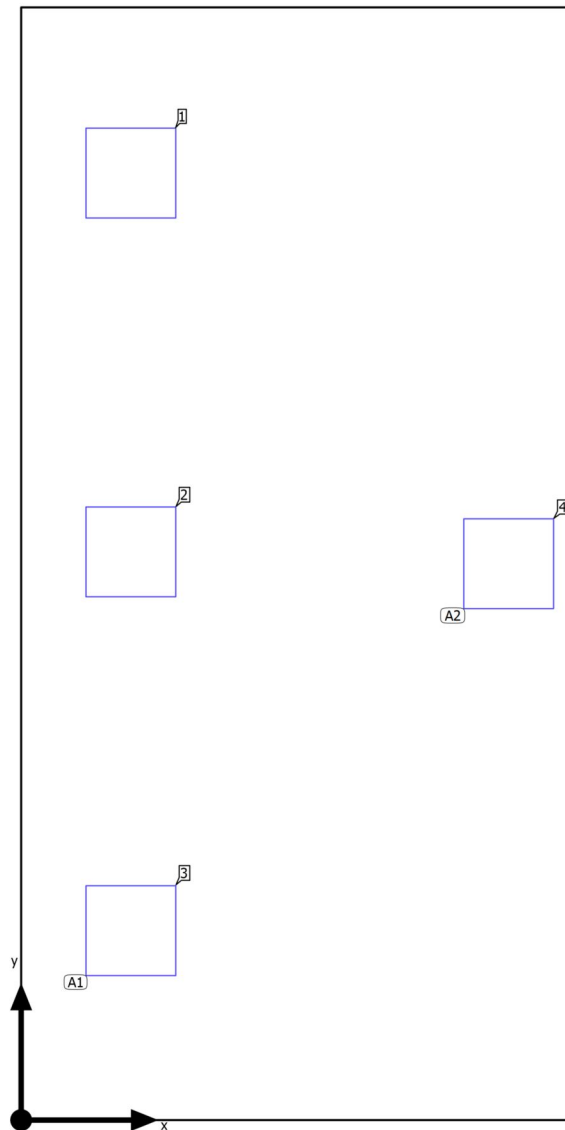
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

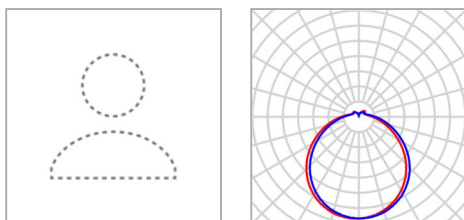
Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	23.8 W
Article No.	0043438	$\Phi_{\text{Luminaire}}$	1800 lm
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone		
Fitting	1x 0043438		

3 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.440 m / 3.797 m / 2.800 m	0.440 m	3.797 m	2.800 m	1
X-direction	3 pcs., Center - center, 1.519 m	0.440 m	2.278 m	2.800 m	2
Arrangement	A1	0.440 m	0.759 m	2.800 m	3

1 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	1.955 m / 2.231 m / 2.800 m	1.955 m	2.231 m	2.800 m	4
X-direction	1 pcs., Center - center, 4.461 m				
Arrangement	A2				

Building 1 · Story 1 · Tualet

Luminaire list Φ_{total}

7200 lm

 P_{total}

95.2 W

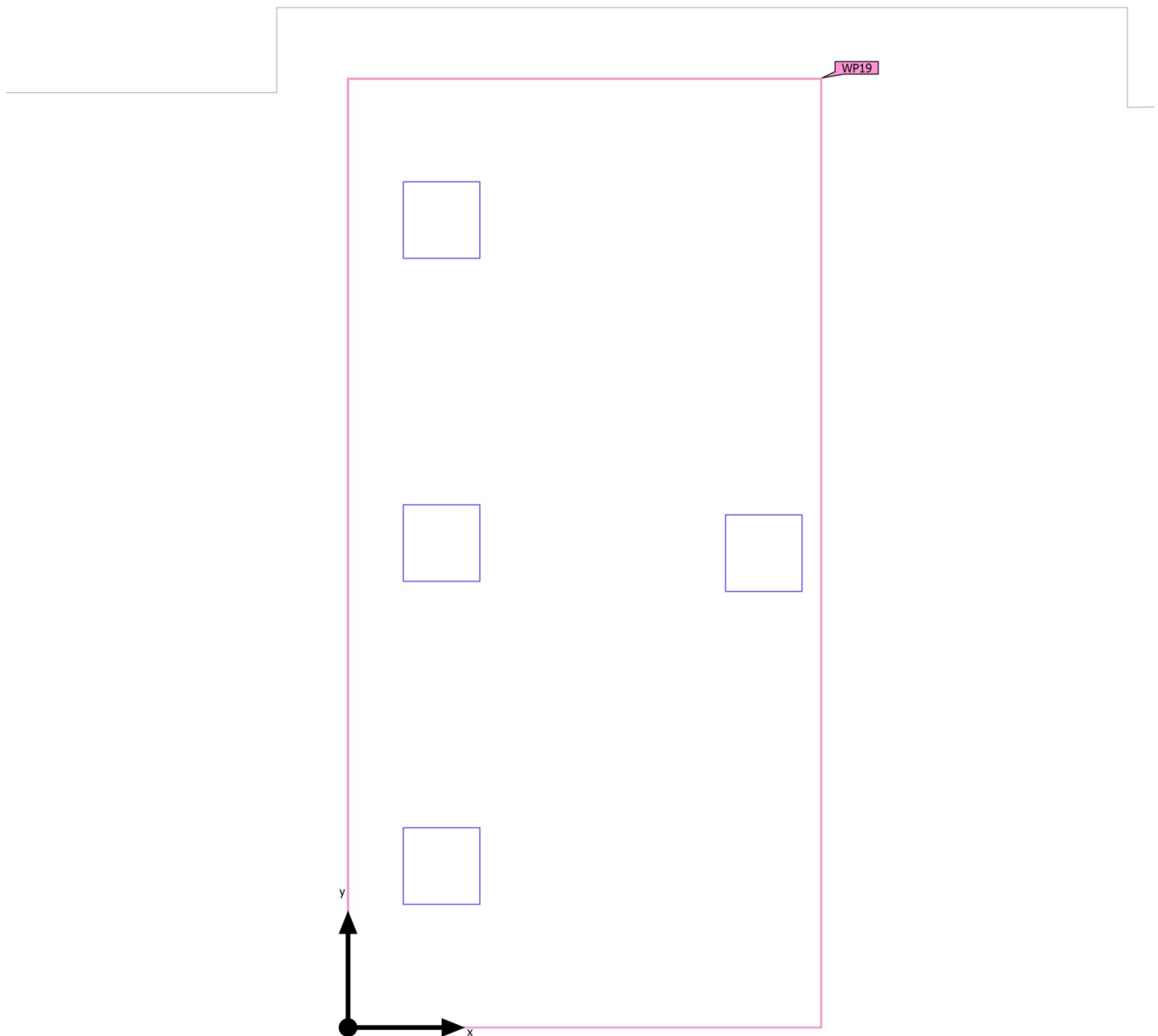
Luminous efficacy

75.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

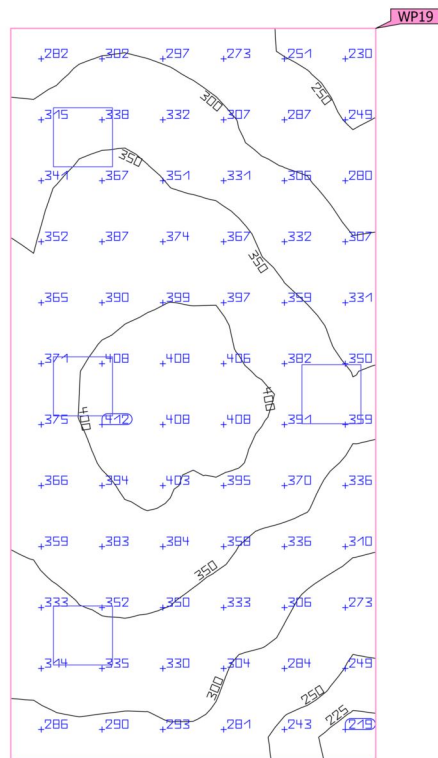
Calculation objects

Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	337 lx (≥ 200 lx) ✓	214 lx	416 lx	0.64	0.51	WP19

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Working plane (Tualet)

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet)	337 lx	214 lx	416 lx	0.64	0.51	WP19
Perpendicular illuminance (adaptive)	≥ 200 lx					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Summary



Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	224 lx	≥ 200 lx	✓	WP20
	g_1	0.80	-	-	WP20
Consumption values	Consumption	39 kWh/a	max. 250 kWh/a	✓	
Room	Lighting power density	7.79 W/m ²	-	-	
		3.47 W/m ² /100 lx	-	-	

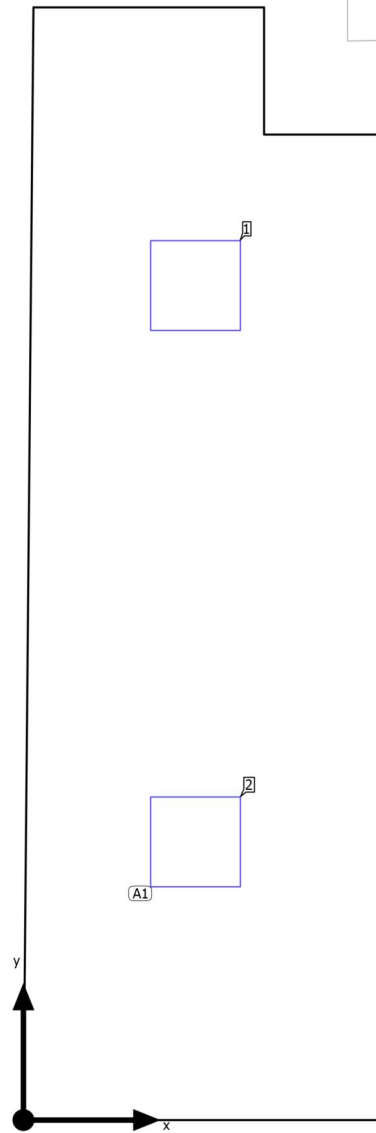
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

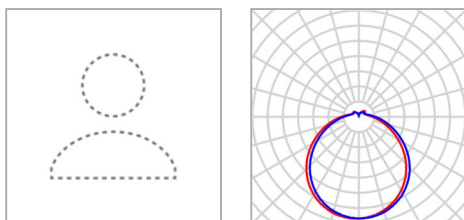
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan

Manufacturer	Not yet a DIALux member
Article No.	0043438
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone
Fitting	1x 0043438

P	23.8 W
$\Phi_{\text{Luminaire}}$	1800 lm

2 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.690 m / 3.346 m / 2.800 m	0.690 m	3.346 m	2.800 m	1
X-direction	2 pcs., Center - center, 2.231 m	0.690 m	1.115 m	2.800 m	2
Arrangement	A1				

Building 1 · Story 1 · Tualet

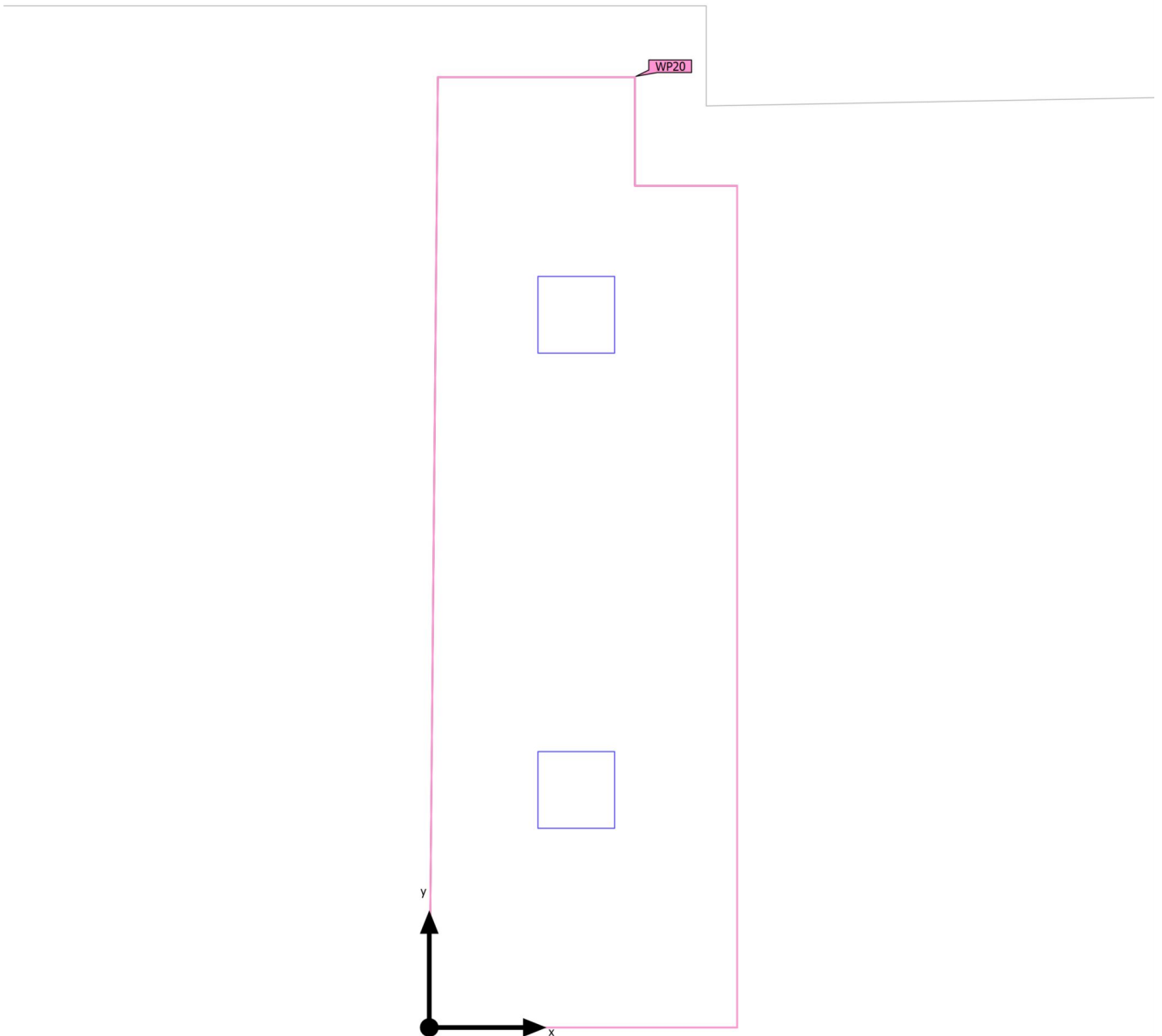
Luminaire list

Φ_{total} 3600 lm	P_{total} 47.6 W	Luminous efficacy 75.6 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
2	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects

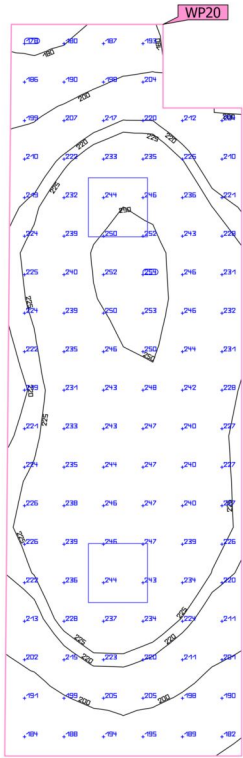
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	224 lx (≥ 200 lx) ✓	179 lx	254 lx	0.80	0.70	WP20

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

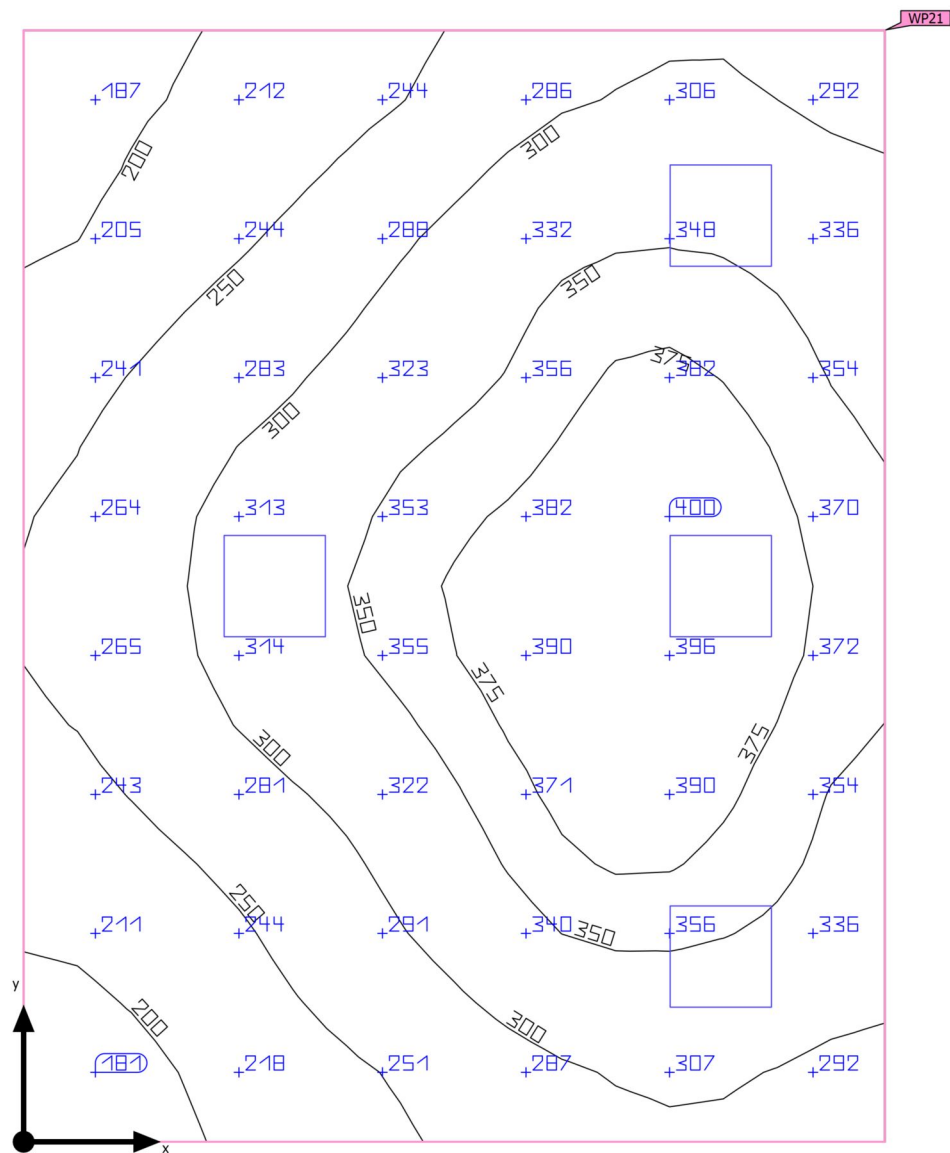
Working plane (Tualet)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet)	224 lx	179 lx	254 lx	0.80	0.70	WP20
Perpendicular illuminance (adaptive)	(≥ 200 lx)					
Height: 0.800 m, Wall zone: 0.000 m	✓					

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Building 1 · Story 1 · Tualet (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	305 lx	≥ 200 lx	✓	WP21
	g_1	0.58	-	-	WP21
Consumption values	Consumption	79 kWh/a	max. 450 kWh/a	✓	
Room	Lighting power density	7.87 W/m ²	-	-	
		2.58 W/m ² /100 lx	-	-	

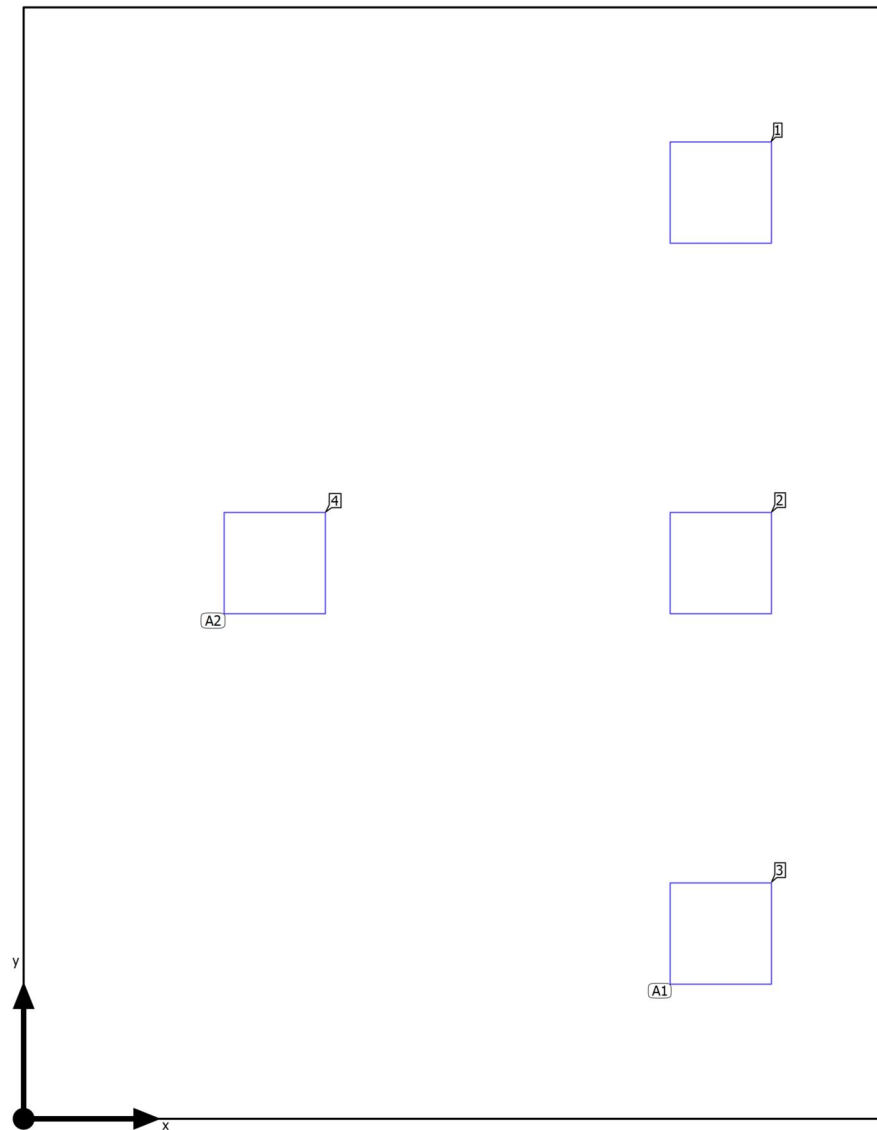
Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Luminaire list

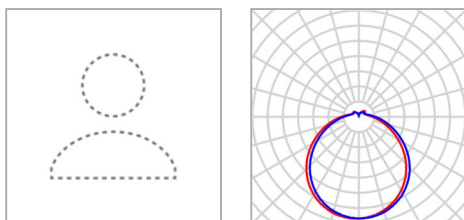
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet

Luminaire layout plan



Building 1 · Story 1 · Tualet

Luminaire layout plan

Manufacturer	Not yet a DIALux member	P	23.8 W
Article No.	0043438	$\Phi_{\text{Luminaire}}$	1800 lm
Article name	Start eco Surface IP44 PIR 1900lm 840 DualTone		
Fitting	1x 0043438		

3 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	2.479 m / 3.293 m / 2.800 m	2.479 m	3.293 m	2.800 m	1
X-direction	3 pcs., Center - center, 1.317 m	2.479 m	1.976 m	2.800 m	2
Arrangement	A1	2.479 m	0.659 m	2.800 m	3

1 x Not yet a DIALux member Start eco Surface IP44 PIR 1900lm 840 DualTone

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	0.893 m / 1.976 m / 2.800 m	0.893 m	1.976 m	2.800 m	4
X-direction	1 pcs., Center - center, 3.951 m				
Arrangement	A2				

Building 1 · Story 1 · Tualet

Luminaire list Φ_{total}

7200 lm

 P_{total}

95.2 W

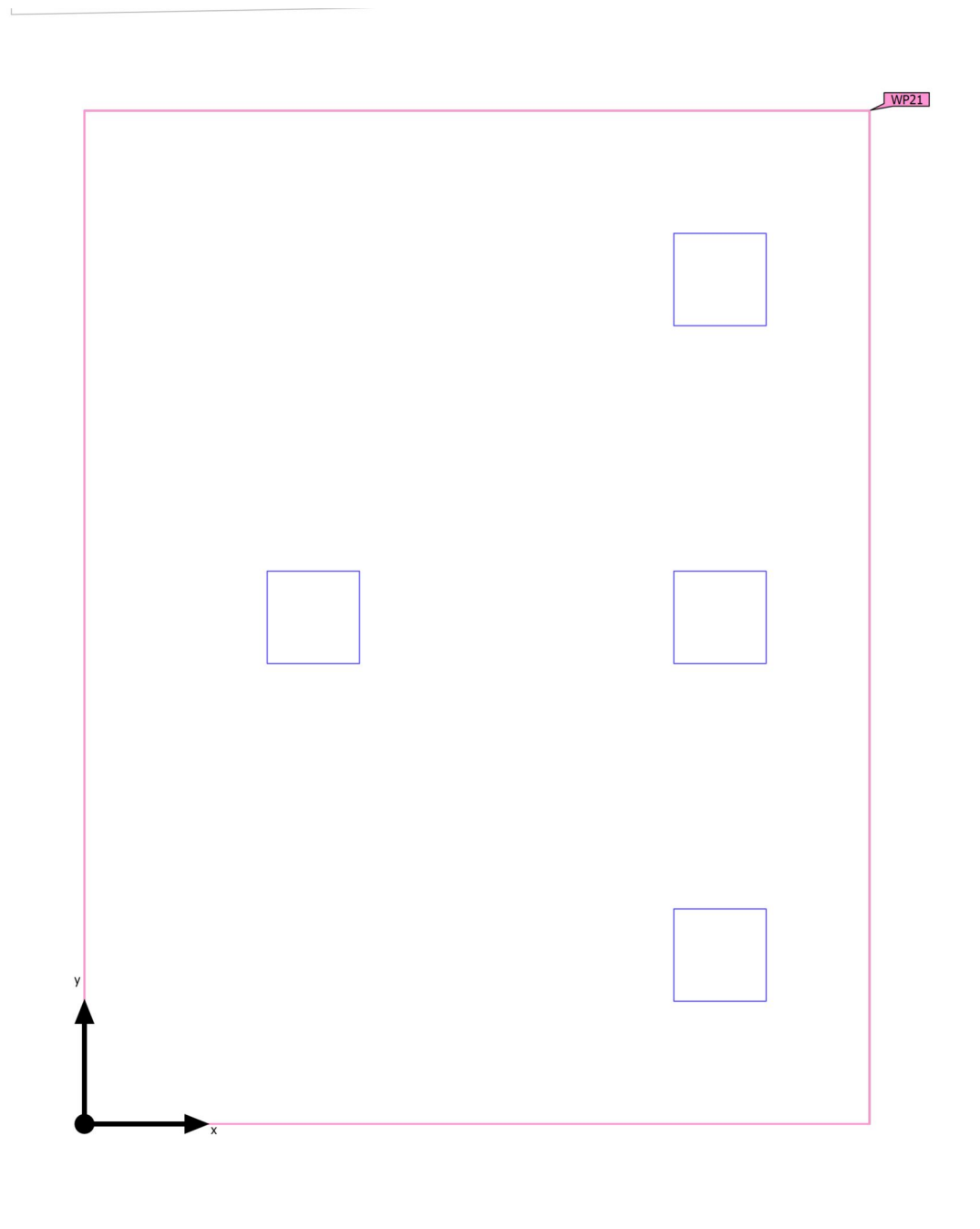
Luminous efficacy

75.6 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
4	Not yet a DIALux member	0043438	Start eco Surface IP44 PIR 1900lm 840 DualTone	23.8 W	1800 lm	75.6 lm/W

Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects



Building 1 · Story 1 · Tualet (Light scene 1)

Calculation objects

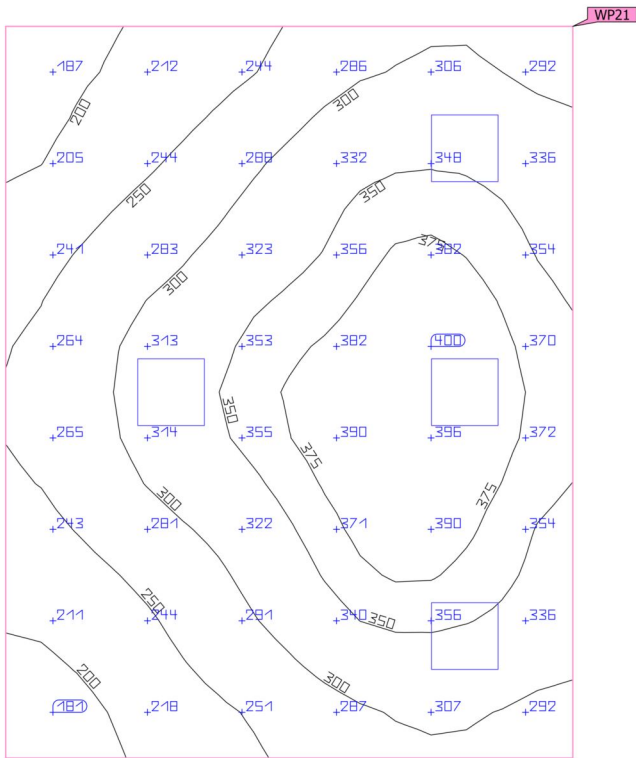
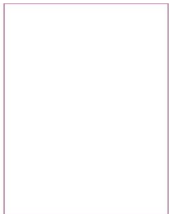
Working planes

Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	305 lx (≥ 200 lx) ✓	176 lx	398 lx	0.58	0.44	WP21

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Building 1 · Story 1 · Tualet (Light scene 1)

Working plane (Tualet)



Properties	\bar{E} (Target)	E_{min}	E_{max}	g_1	g_2	Index
Working plane (Tualet) Perpendicular illuminance (adaptive) Height: 0.800 m, Wall zone: 0.000 m	305 lx (≥ 200 lx) ✓	176 lx	398 lx	0.58	0.44	WP21

Utilization profile: Health care premises - Wards, maternity wards, Bathrooms and toilets for patients

Glossary

A

A	Formula symbol for a surface in the geometry
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B

Background area	The background area borders the direct ambient area according to DIN EN 12464-1 and reaches up to the borders of the room. In larger rooms, the background area is at least 3 m wide. It is located horizontally at floor level.
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C

CCT	<p>(correlated color temperature)</p> <p>Body temperature of a thermal radiator that serves to describe its light color. Unit: Kelvin [K]. The lesser the numerical value the redder; the greater the numerical value the bluer the light color. The color temperature of gas-discharge lamps and semi-conductors are termed "correlated color temperature" in contrast to the color temperature of thermal radiators.</p> <p>Allocation of the light colors to the color temperature ranges acc. to EN 12464-1:</p> <p>Light color - color temperature [K] warm white (ww) < 3,300 K neutral white (nw) ≥ 3,300 – 5,300 K daylight white (dw) > 5,300 K</p>
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Clearance height	The designation for the distance between upper edge of the floor and bottom edge of the ceiling (in the completely furnished status of room).
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CRI	<p>(color rendering index)</p> <p>Designation for the color rendering index of a luminaire or a lamp acc. to DIN 6169: 1976 or CIE 13.3: 1995.</p> <p>The general color rendering index Ra (or CRI) is a dimensionless figure that describes the quality of a white light source in regards to its similarity with the remission spectra of defined 8 test colors (see DIN 6169 or CIE 1974) to a reference light source.</p>
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D

Daylight factor	<p>Ratio of the illuminance achieved solely by daylight incidence at a point in the inside to the horizontal illuminance in the outer area under an unobstructed sky.</p> <p>Formula symbol: D (daylight factor) Unit: %</p>
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Glossary

Daylight quotient effective area	A calculation surface within which the daylight quotient is calculated.
E	
Eta (η)	<p>(light output ratio)</p> <p>The light output ratio describes what percentage of the luminous flux of a free radiating lamp (or LED module) is emitted by the luminaire when installed.</p> <p>Unit: %</p>
G	
g_1	<p>Often also U_o (overall uniformity)</p> <p>Designates the overall uniformity of the illuminance on a surface. It is the quotient from E_{min} to \bar{E} and is required, for instance, in standards for illumination of workstations.</p>
g_2	<p>Actually it designates the "non-uniformity" of the illuminance on a surface. It is the quotient of E_{min} to E_{max} and is generally only relevant for certifying the emergency lighting acc. to EN 1838.</p>
I	
Illuminance	<p>Describes the ratio of the luminous flux that strikes a certain surface to the size of this surface ($lm/m^2 = lx$). The illuminance is not tied to an object surface. It can be determined anywhere in space (inside or outside). The illuminance is not a product feature because it is a recipient value. Luxometers are used for measuring.</p> <p>Unit: Lux Abbreviation: lx Formula symbol: E</p>
Illuminance, adaptive	For the determining of the middle adaptive illuminance on a surface, this is rastered "adaptively". In the area of large illuminance differences within the surface, the raster is subdivided finer; within lesser differences, a rougher classification is made.
Illuminance, horizontal	Illuminance that is calculated or measured on a horizontal (level) surface (this can be for example a table top or the floor). The horizontal illuminance is usually identified by the formula letter E_h .
Illuminance, perpendicular	Illuminance that is calculated or measured plumb-vertical to a surface. This needs to be taken into account for tilted surfaces. If the surface is horizontal or vertical, then there is no difference between the perpendicular and the horizontal or vertical illuminance.

Glossary

Illuminance, vertical	<p>Illuminance that is calculated or measured on a vertical surface (this can be for example the front of some shelves). The vertical illuminance is usually identified by the formula letter E_v.</p>
<hr/>	
L	
LENI	<p>(lighting energy numeric indicator) Lighting energy numeric indicator acc. to EN 15193</p> <p>Unit: kWh/m² year</p>
Light loss factor	See MF
LLMF	<p>(lamp lumen maintenance factor)/acc. to CIE 97: 2005 Lamp flux maintenance factor that takes the luminous flux reduction into account of a luminaire or an LED module in the course of the operating time. The lamp flux maintenance factor is specified as a decimal digit and can have a maximum value of 1 (no luminous flux reduction existing).</p>
LMF	<p>(luminaire maintenance factor)/acc. to CIE 97: 2005 Luminaire maintenance factor that takes the soiling into account of the luminaire in the course of the operating time. The luminaire maintenance factor is specified as a decimal digit and can have a maximum value of 1 (no soiling existing).</p>
LSF	<p>(lamp survival factor)/acc. to CIE 97: 2005 Lamp survival factor that takes the total failure into account of a luminaire in the course of the operating time. The lamp survival factor is specified as a decimal digit and can have a maximum value of 1 (no failures existing within the time concerned or prompt replacement after the failure).</p>
Luminance	<p>Dimension for the "brightness impression" that the human eye has of a surface. The surface itself can emit light thereby or light striking it can be reflected (emitter value). It is the only photometric value that the human eye can perceive.</p> <p>Unit: Candela per square meter Abbreviation: cd/m² Formula symbol: L</p>
Luminous efficacy	<p>Ratio of the emitted luminous flux Φ [lm] to the absorbed electrical power P [W] Unit: lm/W.</p> <p>This ratio can be formed for the lamp or LED module (lamp or module light output), the lamp or module with control gear (system light output) and the complete luminaire (luminaire light output).</p>

Glossary

Luminous flux	<p>Dimension for the total light output that is emitted from one light source in all directions. It is thus an "emitter value" that specifies the entire emitting output. The luminous flux of a light source can only be determined in a laboratory. A difference is made between the lamp or LED module luminous flux and the luminaire luminous flux.</p> <p>Unit: Lumen Abbreviation: lm Formula symbol: Φ</p>
Luminous intensity	<p>Describes the intensity of the light in a certain direction (emitter value). The luminous intensity is a matter of the luminous flux Φ that is emitted in a certain spherical angle Ω. The radiation characteristics of a light source are presented graphically in a light distribution curve (LDC). The luminous intensity is an SI base unit.</p> <p>Unit: Candela Abbreviation: cd Formula symbol: I</p>
M	
MF	<p>(maintenance factor)/acc. to CIE 97: 2005 Maintenance factor as decimal number between 0 and 1 that describes the ratio of the new value of a photometric planning parameter (e.g. of the illuminance) to a maintenance value after a certain time. The maintenance factor takes into account the soiling of luminaires and rooms as well as the luminous flux reduction and the failure of light sources. The maintenance factor is taken into account either overall or determined in detail acc. to CIE 97: 2005 by the formula $RMF \times LMF \times LLMF \times LSF$.</p>
P	
P	<p>(power) Electric power consumption</p> <p>Unit: watt Abbreviation: W</p>
R	
Reflection factor	<p>The reflection factor of a surface describes how much of the striking light is reflected back. The reflection factor is defined by the color of the surface.</p>

Glossary

RMF	(room maintenance factor)/acc. to CIE 97: 2005 Room maintenance factor that takes the soiling into account of the space encompassing surfaces in the course of the operating time. The room maintenance factor is specified as a decimal digit and can have a maximum value of 1 (no soiling existing).
S	
Surrounding area	The ambient area directly borders the area of the visual task and should be planned with a width of at least 0.5 m according to DIN EN 12464-1. It is at the same height as the area of the visual task.
U	
UGR (max)	(unified glare rating) Measure for the psychological glare effect in interiors. In addition to luminaire luminance, the UGR value also depends on the position of the observer, the viewing direction and the ambient luminance. Among other things, EN 12464-1 specifies maximum permissible UGR values for various indoor workplaces.
UGR observer	Calculation point in the room, for the DIALux the UGR value is determined. The location and height of the calculation point should correspond to the typical observer position (position and eye level of the user).
V	
Visual task area	The area that is needed for carrying out the visual task in accordance with DIN EN 12464-1. The height corresponds with the height at which the visual task is executed.
W	
Wall zone	Circumferential area between working plane and walls that is not taken into account for the calculation.
Working plane	Virtual measuring or calculation surface at the height of the visual task that generally follows the room geometry. The working plane may also feature a wall zone.