

## **Pildas Skola 1.stavs**

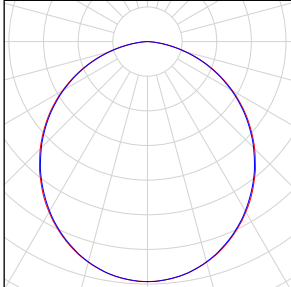
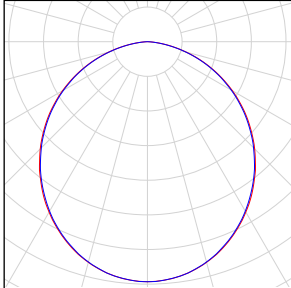
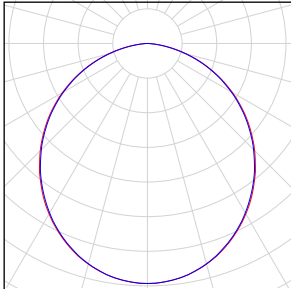
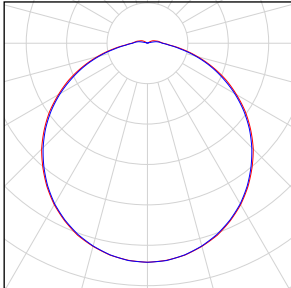
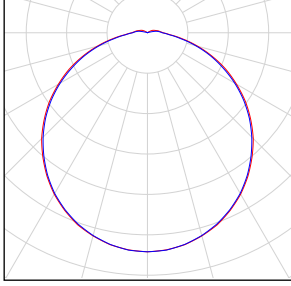
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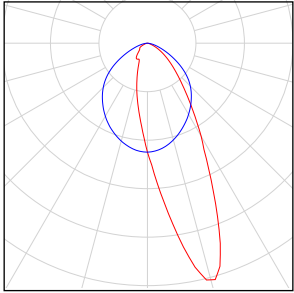
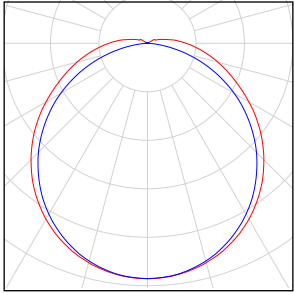
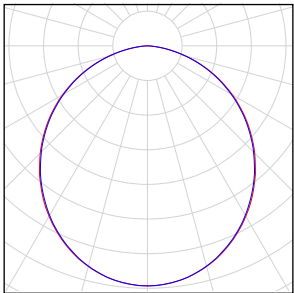
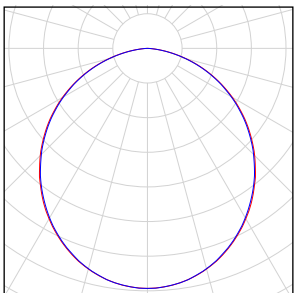
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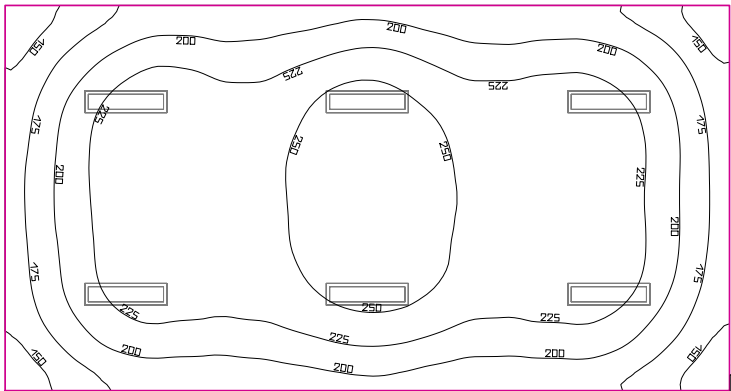
## Pildas Skola 1.stavs

Quantity	Luminaire (Luminous emittance)		
9	<p>LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 2600LM PLX E IP44 21 840 / 600X300 Luminous emittance 1 Fitting: 1x2600lm Light output ratio: 74.52% Lamp luminous flux: 2600 lm Luminaire luminous flux: 1937 lm Power: 22.0 W Luminous efficacy: 88.1 lm/W</p> <p>Colourimetric data 1x: CCT 4000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	
80	<p>LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600 Luminous emittance 1 Fitting: 1x3900lm Light output ratio: 74.52% Lamp luminous flux: 3900 lm Luminaire luminous flux: 2906 lm Power: 33.0 W Luminous efficacy: 88.1 lm/W</p> <p>Colourimetric data 1x: CCT 3000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	
35	<p>LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300 Luminous emittance 1 Fitting: 1x5200lm Light output ratio: 74.52% Lamp luminous flux: 5200 lm Luminaire luminous flux: 3875 lm Power: 43.0 W Luminous efficacy: 90.1 lm/W</p> <p>Colourimetric data 1x: CCT 4000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	
19	<p>LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840 Luminous emittance 1 Fitting: 1xLED 2990/840 Light output ratio: 67.73% Lamp luminous flux: 2990 lm Luminaire luminous flux: 2025 lm Power: 20.0 W Luminous efficacy: 101.3 lm/W</p> <p>Colourimetric data 1x: CCT 4000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	
6	<p>LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830 Luminous emittance 1 Fitting: 1xLED 3950/830 Light output ratio: 67.73% Lamp luminous flux: 3950 lm Luminaire luminous flux: 2675 lm Power: 32.0 W Luminous efficacy: 83.6 lm/W</p> <p>Colourimetric data 1x: CCT 3000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	

Quantity	Luminaire (Luminous emittance)		
8	<p>LUXIONA Troll - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200</p> <p>Luminous emittance 1            Fitting: 1xModuA, LED LINEAR 4000lm/840            Light output ratio: 92.03%            Lamp luminous flux: 4099 lm            Luminaire luminous flux: 3772 lm            Power: 32.0 W            Luminous efficacy: 117.9 lm/W</p> <p>Colourimetric data            1x: CCT 4000 K, CRI 85</p>	See our luminaire catalog for an image of the luminaire.	
5	<p>LUXIONA Troll - MELEDXXXOPAL METEOR LUX LED 4400LM OPAL E 840</p> <p>Luminous emittance 1            Fitting: 2xModu³ LED LINEAR 2200lm/840            Light output ratio: 77.76%            Lamp luminous flux: 4712 lm            Luminaire luminous flux: 3664 lm            Power: 32.0 W            Luminous efficacy: 114.5 lm/W</p> <p>Colourimetric data            2x: CCT 4000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	
6	<p>LUXIONA Troll - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 4400LM PLX E IP44 34 840 / 600X300</p> <p>Luminous emittance 1            Fitting: 2xModu æ½ LED LINEAR 2200lm/840            Light output ratio: 74.52%            Lamp luminous flux: 4712 lm            Luminaire luminous flux: 3511 lm            Power: 32.0 W            Luminous efficacy: 109.7 lm/W</p> <p>Colourimetric data            2x: CCT 4000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	
20	<p>LUXIONA Troll - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 8800LM PLX E IP44 34 840 / 1200X300</p> <p>Luminous emittance 1            Fitting: 4xModu æ½ LED LINEAR 2200lm/840            Light output ratio: 74.52%            Lamp luminous flux: 9424 lm            Luminaire luminous flux: 7022 lm            Power: 62.0 W            Luminous efficacy: 113.3 lm/W</p> <p>Colourimetric data            4x: CCT 4000 K, CRI 80</p>	See our luminaire catalog for an image of the luminaire.	

Total lamp luminous flux: 871014 lm, Total luminaire luminous flux: 650065 lm, Total Load: 6763.0 W, Luminous efficacy: 96.1 lm/W

1



Clearance height: 3.150 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

### Workplane

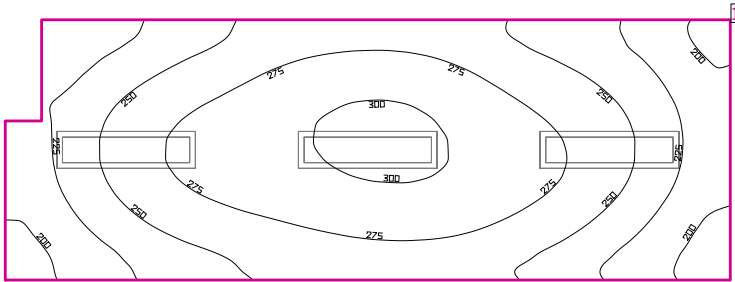
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 1	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	218 (≥ 500)	129	269	0.59	0.48

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
6	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires		23250	258.0	90.1

Lighting power density:  $4.18 \text{ W/m}^2 = 1.92 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $61.74 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 710 kWh/a of maximum 2200 kWh/a

## 2



Clearance height: 3.300 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

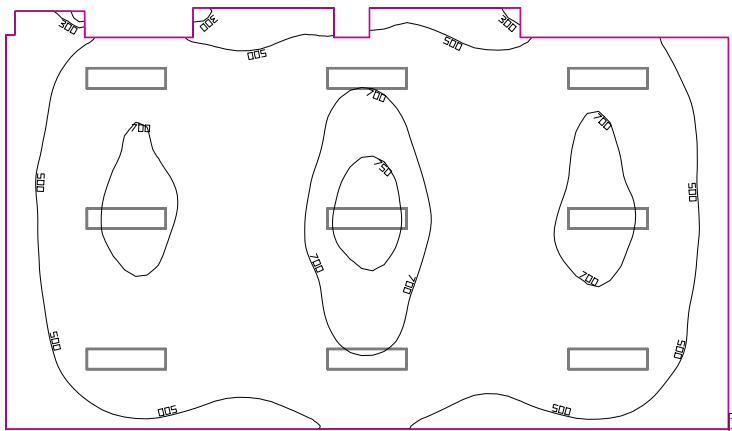
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 2	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	256 (≥ 500)	191	306	0.75	0.62

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
3	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires		11625	129.0	90.1

Lighting power density:  $9.00 \text{ W/m}^2 = 3.52 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $14.33 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 350 kWh/a of maximum 550 kWh/a

## 3



Clearance height: 3.250 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 3	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	596 (≥ 500)	201	778	0.34	0.26

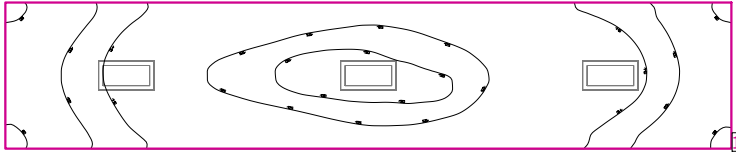
#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
9	LUXIONA Troil - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 8800LM PLX E IP44 34 840 / 1200X300	7022	62.0	113.3
Total via all luminaires		63198	558.0	113.3

Lighting power density:  $8.19 \text{ W/m}^2 = 1.37 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $68.16 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 1550 kWh/a of maximum 2400 kWh/a



## 4



Clearance height: 3.300 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

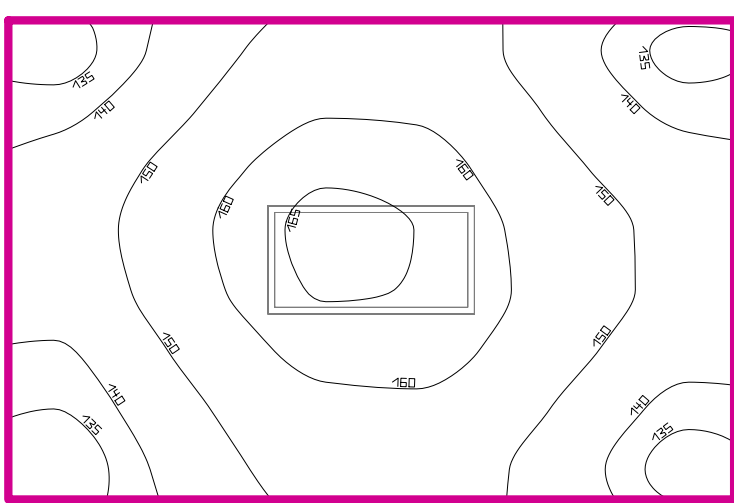
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 4	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	114 (≥ 500)	76.8	135	0.67	0.57

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
3 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 2600LM PLX E IP44 21 840 / 600X300	1937	22.0	88.1
Total via all luminaires	5811	66.0	88.0

Lighting power density:  $5.00 \text{ W/m}^2 = 4.40 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $13.20 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 180 kWh/a of maximum 500 kWh/a

## 5



Clearance height: 3.300 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

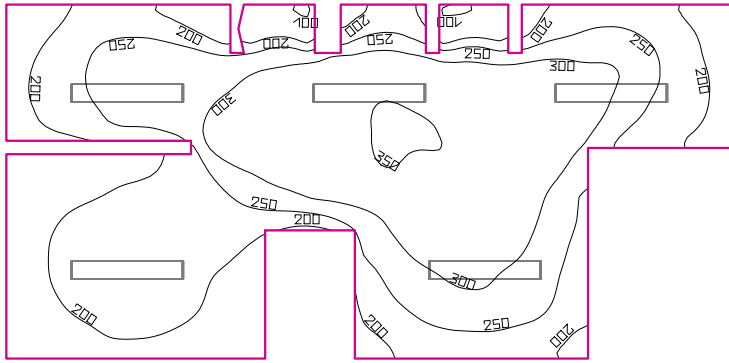
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 5	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	150 (≥ 500)	130	166	0.87	0.78

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troll - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 4400LM PLX E IP44 34 840 / 600X300	3511	32.0	109.7
Total via all luminaires		3511	32.0	109.7

Lighting power density:  $10.19 \text{ W/m}^2 = 6.78 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $3.14 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 150 kWh/a

## 6



Clearance height: 3.300 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

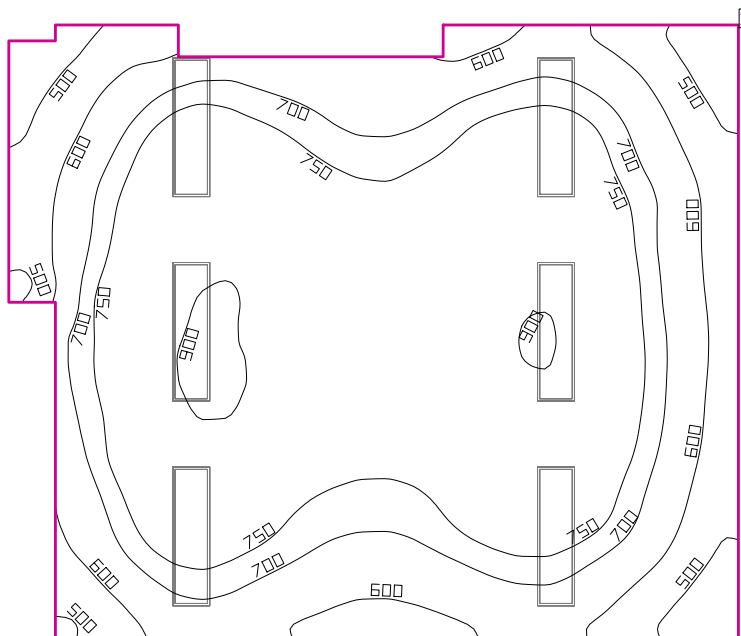
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 6	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	253 (≥ 500)	91.6	355	0.36	0.26

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
5 LUXIONA Troll - MELEDXXXOPAL METEOR LUX LED 4400LM OPAL E 840	3664	32.0	114.5
Total via all luminaires	18320	160.0	114.5

Lighting power density:  $6.13 \text{ W/m}^2 = 2.42 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $26.09 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 440 kWh/a of maximum 950 kWh/a

7



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

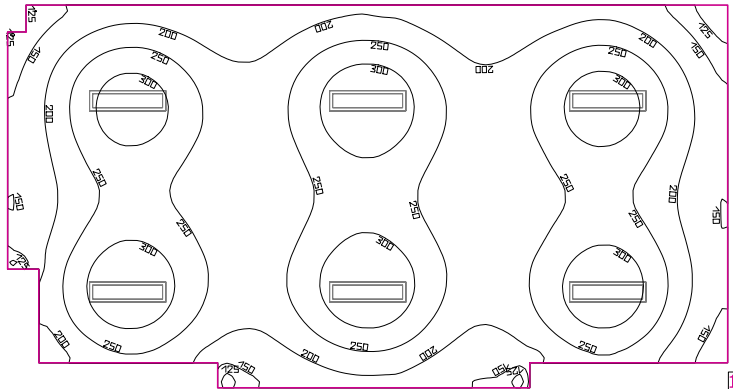
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 7	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	727 (≥ 500)	402	916	0.55	0.44

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
6 LUXIONA Troll - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 8800LM PLX E IP44 34 840 / 1200X300	7022	62.0	113.3
<b>Total via all luminaires</b>	<b>42132</b>	<b>372.0</b>	<b>113.3</b>

Lighting power density: 11.36 W/m<sup>2</sup> = 1.56 W/m<sup>2</sup>/100 lx (Floor area of room 32.74 m<sup>2</sup>)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 1000 kWh/a of maximum 1150 kWh/a

## 8



Clearance height: 2.950 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

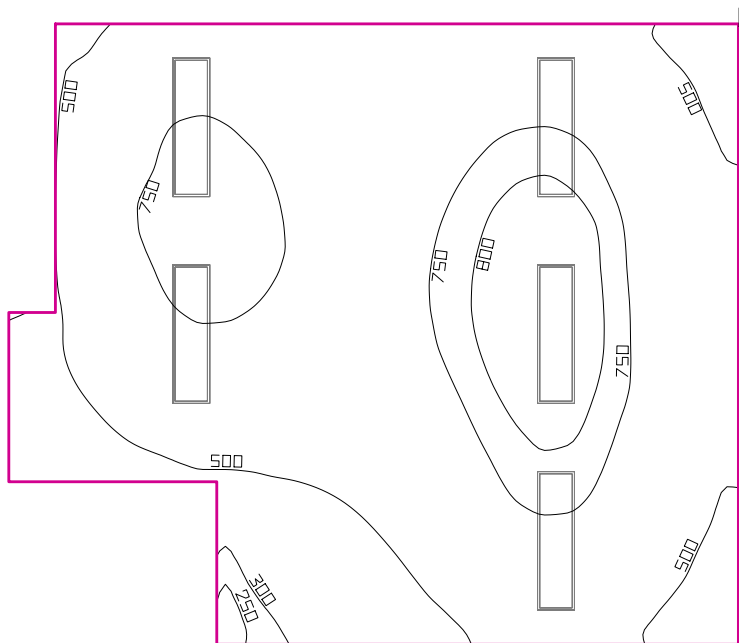
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 8	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	239 (≥ 500)	108	346	0.45	0.31

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
6	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires		23250	258.0	90.1

Lighting power density:  $3.84 \text{ W/m}^2 = 1.61 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $67.22 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 710 kWh/a of maximum 2400 kWh/a

## 9



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

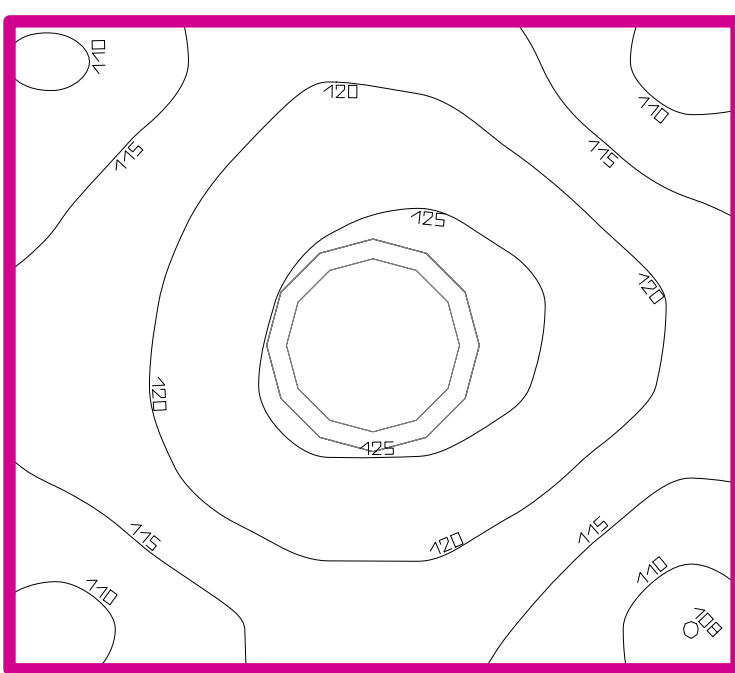
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 9	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	633 (≥ 500)	214	853	0.34	0.25

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
5 LUXIONA Troil - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 8800LM PLX E IP44 34 840 / 1200X300	7022	62.0	113.3
Total via all luminaires	35110	310.0	113.3

Lighting power density:  $9.87 \text{ W/m}^2 = 1.56 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $31.39 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 850 kWh/a of maximum 1100 kWh/a

## 10



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

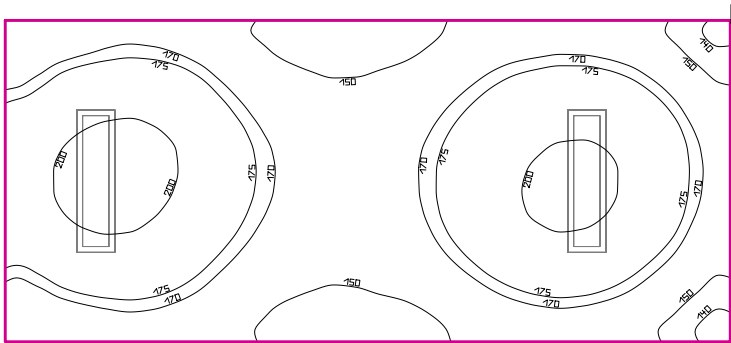
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 10	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	118 (≥ 500)	107	127	0.91	0.84

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830	2675	32.0	83.6
Total via all luminaires		2675	32.0	83.6

Lighting power density:  $16.61 \text{ W/m}^2 = 14.04 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $1.93 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 100 kWh/a

## 11



Clearance height: 2.950 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 11	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	172 (≥ 500)	135	209	0.78	0.65

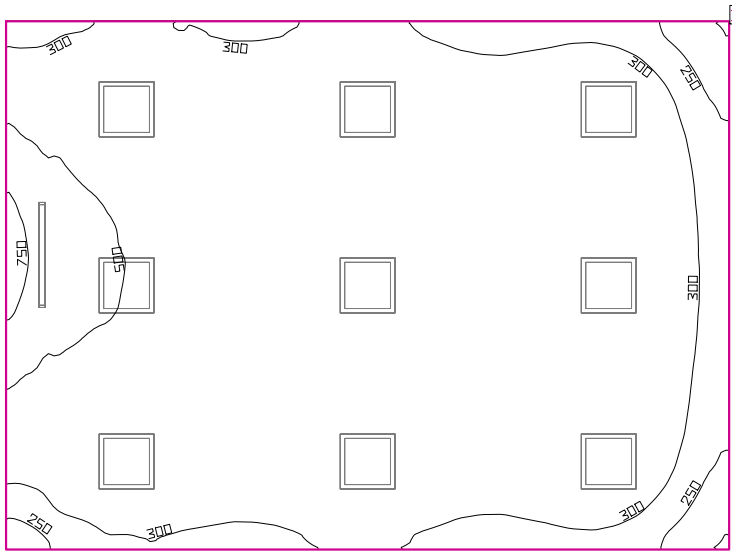
#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires		7750	86.0	90.1

Lighting power density:  $5.04 \text{ W/m}^2 = 2.92 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $17.06 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 240 kWh/a of maximum 600 kWh/a



## 12



Clearance height: 2.950 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

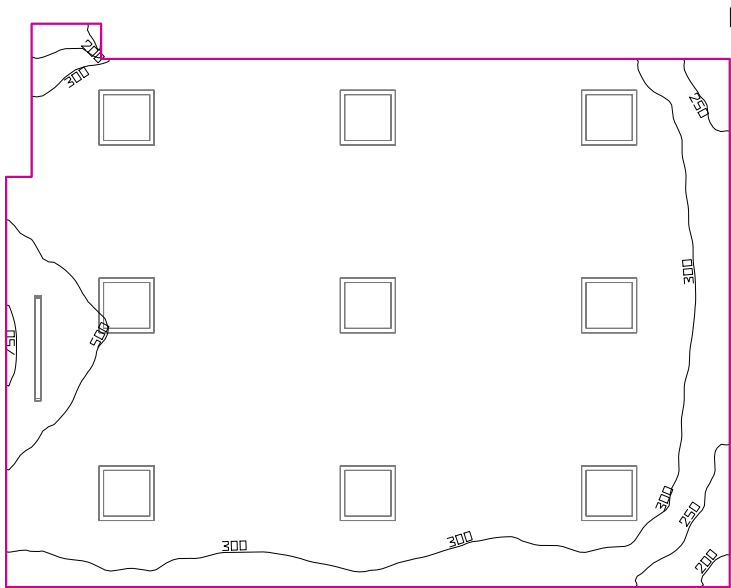
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 12	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	384 (≥ 500)	197	890	0.51	0.22

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
9 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1 LUXIONA Troil - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires	29926	329.0	91.0

Lighting power density:  $6.67 \text{ W/m}^2 = 1.74 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $49.29 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 900 kWh/a of maximum 1750 kWh/a

## 13



Clearance height: 3.000 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

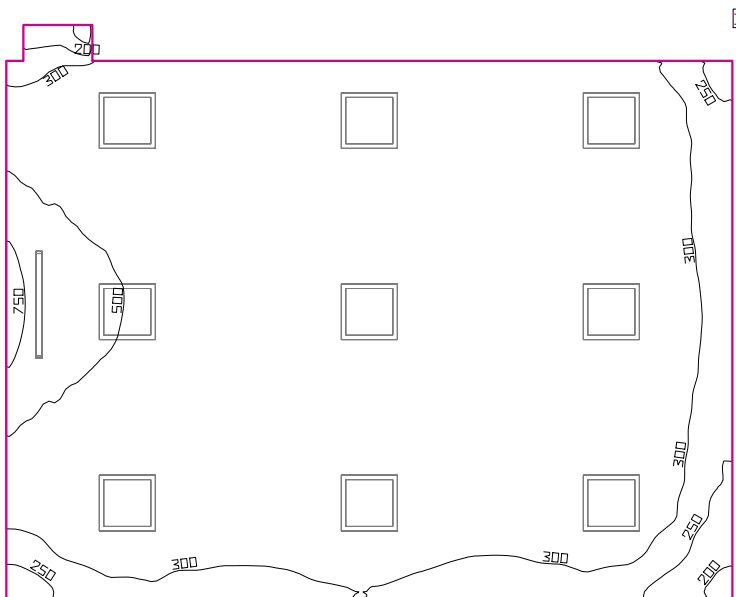
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 13	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	373 (≥ 500)	166	799	0.45	0.21

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
9	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1	LUXIONA Troll - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires		29926	329.0	91.0

Lighting power density:  $6.68 \text{ W/m}^2 = 1.79 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $49.25 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 900 kWh/a of maximum 1750 kWh/a

## 14



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

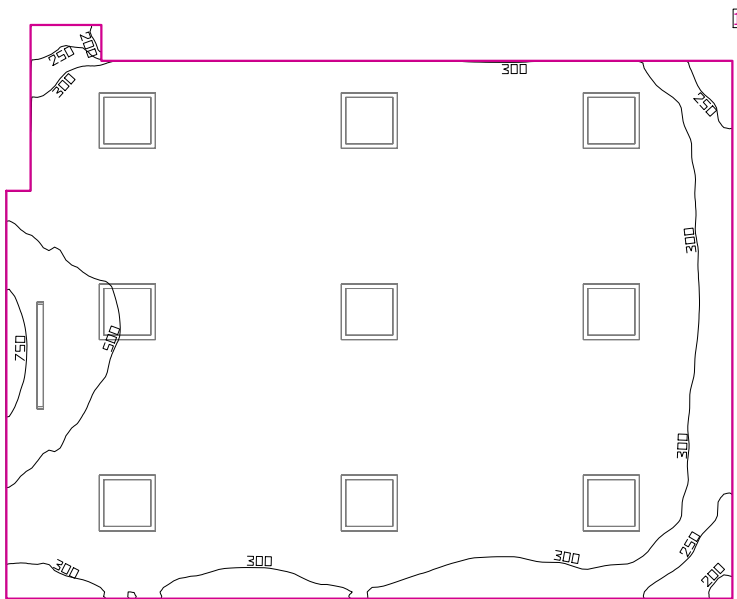
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 14	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	384 (≥ 500)	166	873	0.43	0.19

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
9	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1	LUXIONA Troll - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires		29926	329.0	91.0

Lighting power density:  $6.73 \text{ W/m}^2 = 1.75 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $48.91 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 900 kWh/a of maximum 1750 kWh/a

## 15



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

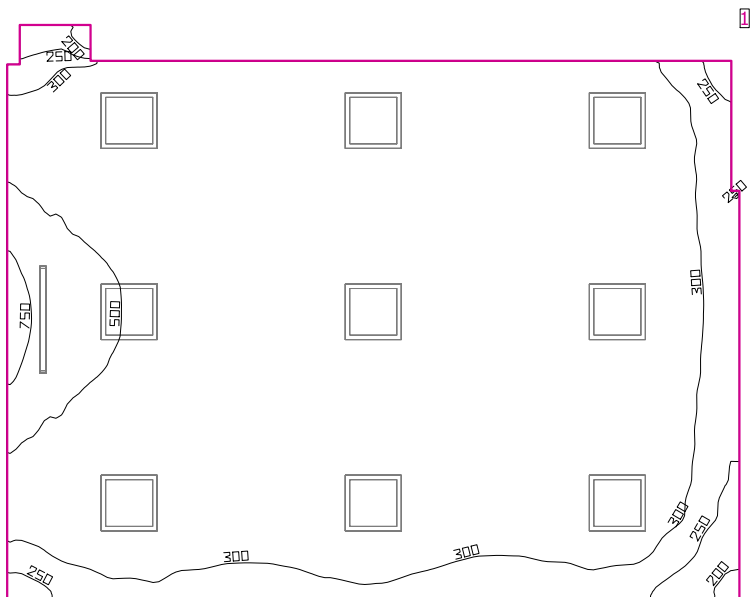
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 15	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	385 (≥ 500)	167	888	0.43	0.19

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
9	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1	LUXIONA Troll - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires		29926	329.0	91.0

Lighting power density:  $6.78 \text{ W/m}^2 = 1.76 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $48.52 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 900 kWh/a of maximum 1700 kWh/a

16



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

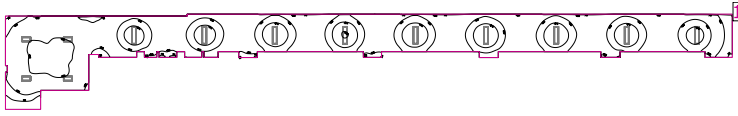
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 16	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	383 (≥ 500)	142	908	0.37	0.16

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
9 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1 LUXIONA Troil - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires	29926	329.0	91.0

Lighting power density: 6.69 W/m² = 1.75 W/m²/100 lx (Floor area of room 49.20 m²)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 900 kWh/a of maximum 1750 kWh/a

## 17



Clearance height: 6.300 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

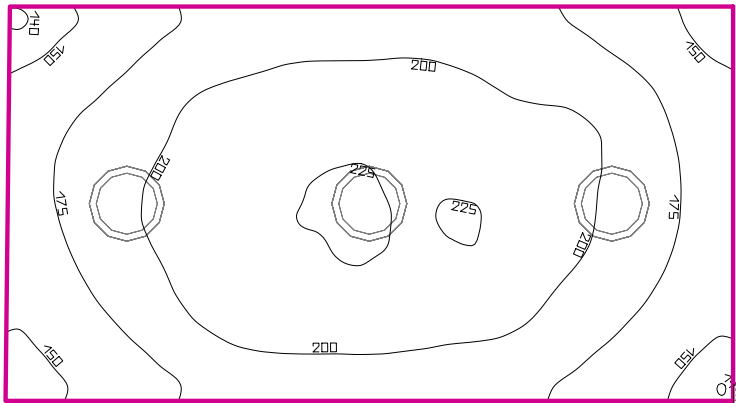
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 17	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	140 (≥ 500)	51.7	202	0.37	0.26

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
4	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 2600LM PLX E IP44 21 840 / 600X300	1937	22.0	88.1
9	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires		42623	475.0	89.7

Lighting power density:  $3.08 \text{ W/m}^2 = 2.21 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $154.03 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 1300 kWh/a of maximum 5400 kWh/a

## 18



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

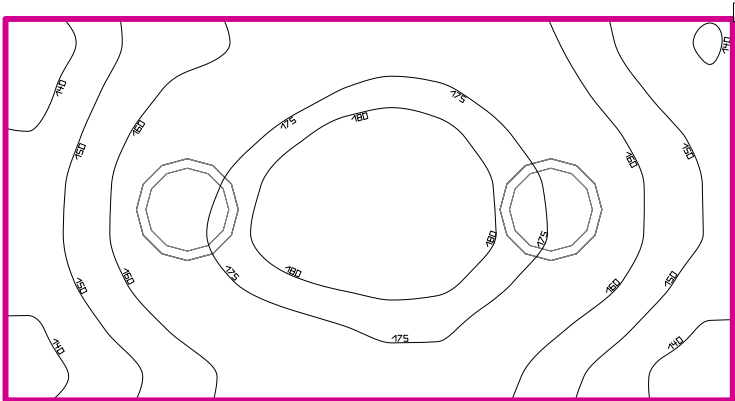
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 18	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	191 (≥ 500)	139	228	0.73	0.61

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
3	LUXIONA Troll - AM500LEDXXXPCi65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires		6075	60.0	101.3

Lighting power density:  $6.39 \text{ W/m}^2 = 3.34 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $9.40 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 170 kWh/a of maximum 350 kWh/a

## 19



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 19	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	163 (≥ 500)	136	188	0.83	0.72

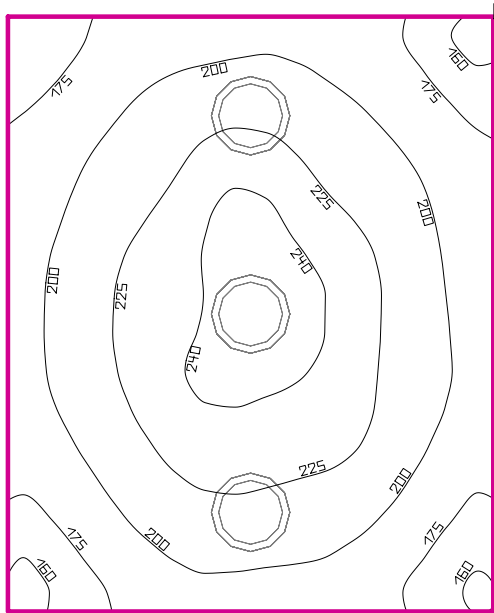
#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2	LUXIONA Troll - AM500LEDXXXPCi65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires		4050	40.0	101.3

Lighting power density:  $8.09 \text{ W/m}^2 = 4.96 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $4.94 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 110 kWh/a of maximum 200 kWh/a



## 20



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

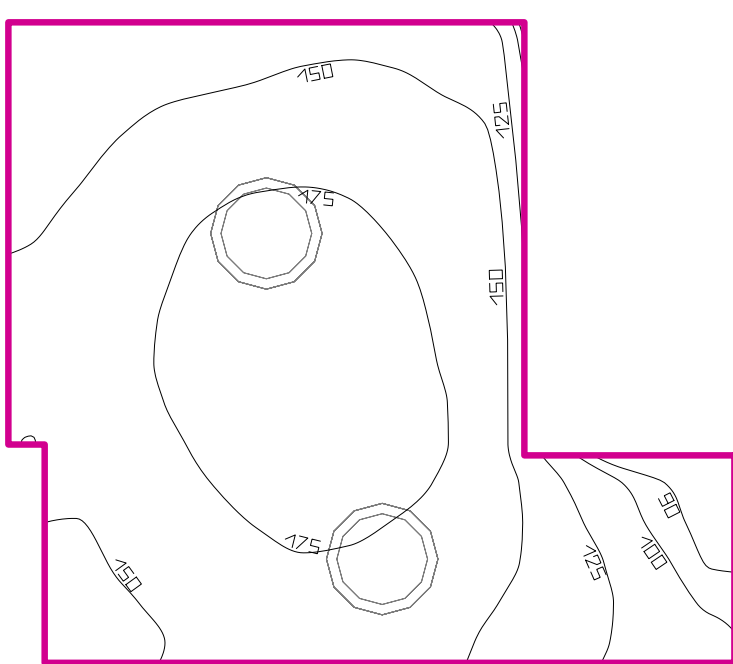
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 20	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	206 (≥ 500)	157	246	0.76	0.64

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
3	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires		6075	60.0	101.3

Lighting power density:  $6.92 \text{ W/m}^2 = 3.35 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $8.67 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 170 kWh/a of maximum 350 kWh/a

21



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

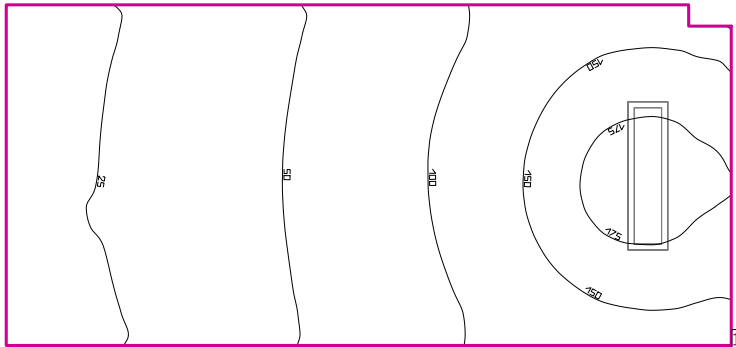
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 21	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	158 (≥ 500)	84.7	188	0.54	0.45

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2 LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires	4050	40.0	101.3

Lighting power density:  $7.35 \text{ W/m}^2 = 4.66 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $5.45 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 110 kWh/a of maximum 200 kWh/a

22



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

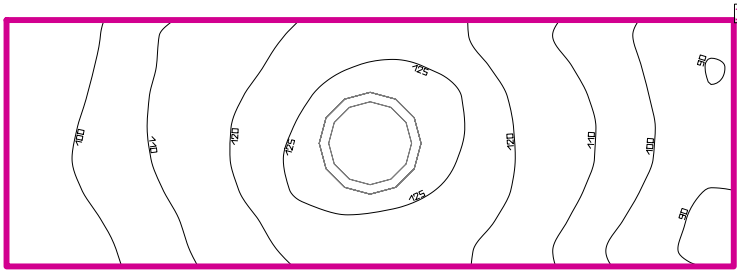
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 22	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	85.4 (≥ 500)	21.3	185	0.25	0.12

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires		3875	43.0	90.1

Lighting power density: 2.59 W/m<sup>2</sup> = 3.03 W/m<sup>2</sup>/100 lx (Floor area of room 16.63 m<sup>2</sup>)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 120 kWh/a of maximum 600 kWh/a

## 23



Clearance height: 3.000 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

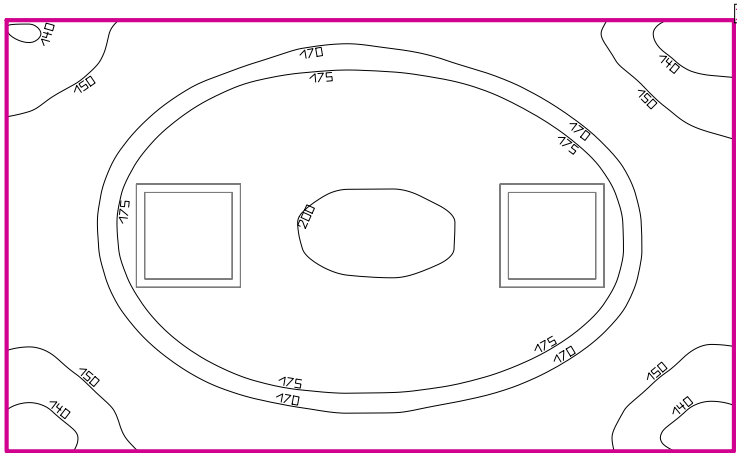
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 23	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	111 (≥ 500)	87.9	128	0.79	0.69

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830	2675	32.0	83.6
Total via all luminaires		2675	32.0	83.6

Lighting power density:  $10.02 \text{ W/m}^2 = 9.02 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $3.19 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 150 kWh/a

## 24



Clearance height: 3.100 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

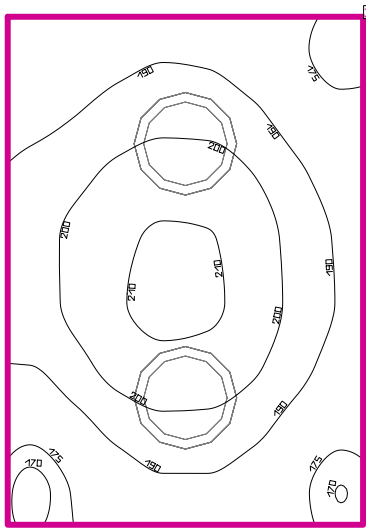
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 24	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	171 (≥ 500)	135	202	0.79	0.67

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
Total via all luminaires	5812	66.0	88.1

Lighting power density:  $5.83 \text{ W/m}^2 = 3.40 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $11.32 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 180 kWh/a of maximum 400 kWh/a

## 25



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

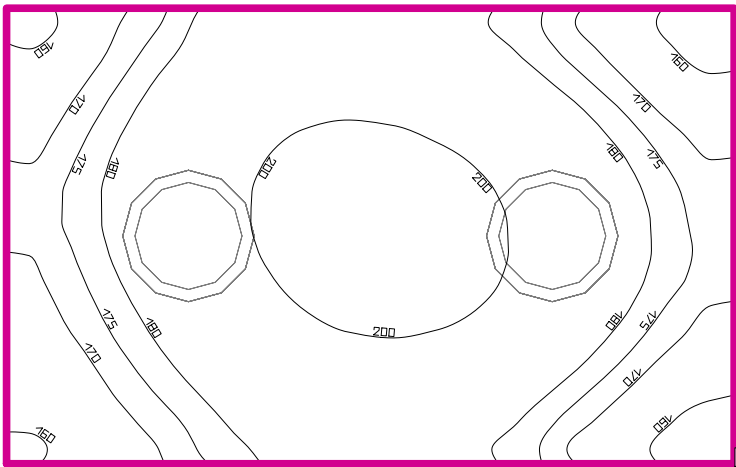
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 25	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	193 (≥ 500)	167	212	0.87	0.79

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2 LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires	4050	40.0	101.3

Lighting power density:  $12.60 \text{ W/m}^2 = 6.55 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $3.17 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 110 kWh/a of maximum 150 kWh/a

## 26



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

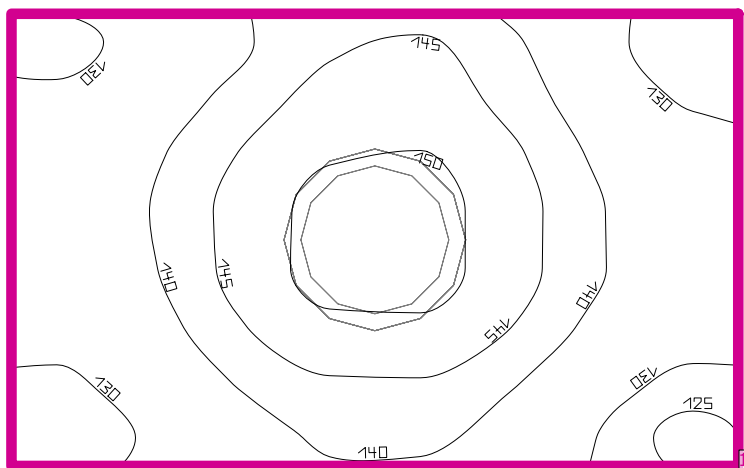
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 26	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	183 (≥ 500)	154	208	0.84	0.74

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2 LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires	4050	40.0	101.3

Lighting power density: 11.28 W/m<sup>2</sup> = 6.15 W/m<sup>2</sup>/100 lx (Floor area of room 3.55 m<sup>2</sup>)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 110 kWh/a of maximum 150 kWh/a

27



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 27	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	139 (≥ 500)	123	151	0.88	0.81

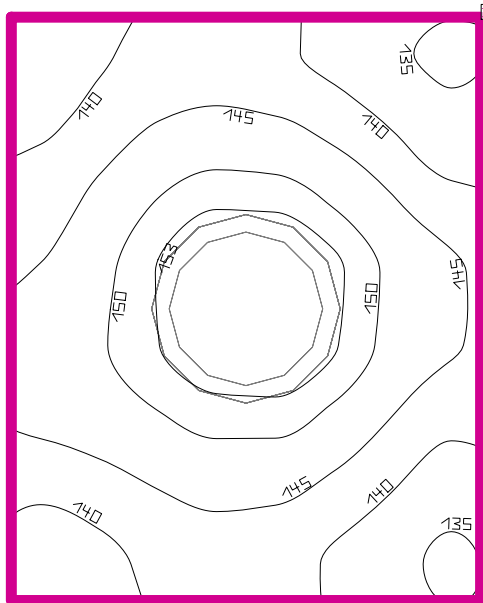
# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1 LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830	2675	32.0	83.6
Total via all luminaires	2675	32.0	83.6

Lighting power density: 17.39 W/m² = 12.48 W/m²/100 lx (Floor area of room 1.84 m²)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 100 kWh/a



## 28



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

### Workplane

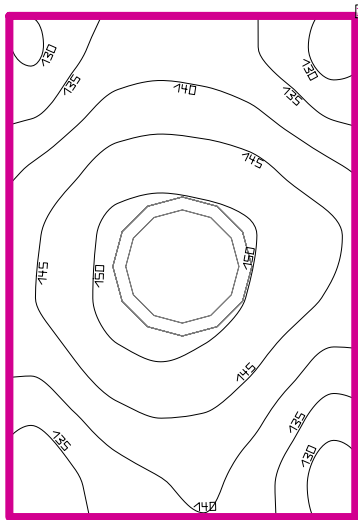
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 28	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	145 (≥ 500)	134	155	0.92	0.86

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1 LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830	2675	32.0	83.6
Total via all luminaires	2675	32.0	83.6

Lighting power density:  $22.49 \text{ W/m}^2 = 15.53 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $1.42 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 100 kWh/a

## 29



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

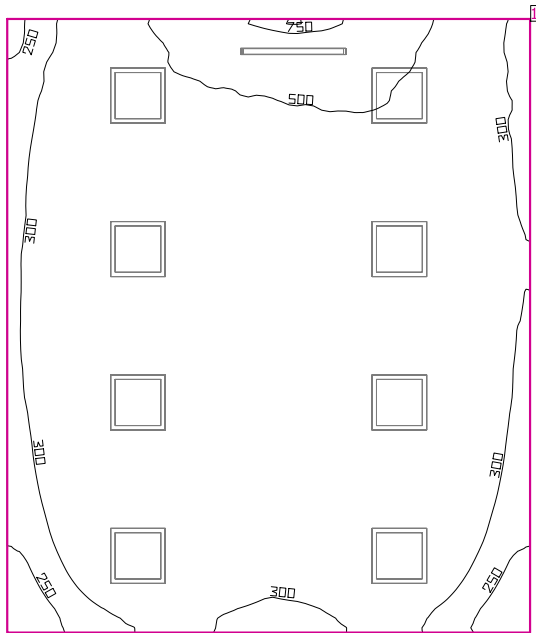
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 29	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	142 (≥ 500)	126	153	0.89	0.82

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830	2675	32.0	83.6
Total via all luminaires		2675	32.0	83.6

Lighting power density:  $19.29 \text{ W/m}^2 = 13.60 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $1.66 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 100 kWh/a

## 30



Clearance height: 3.000 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

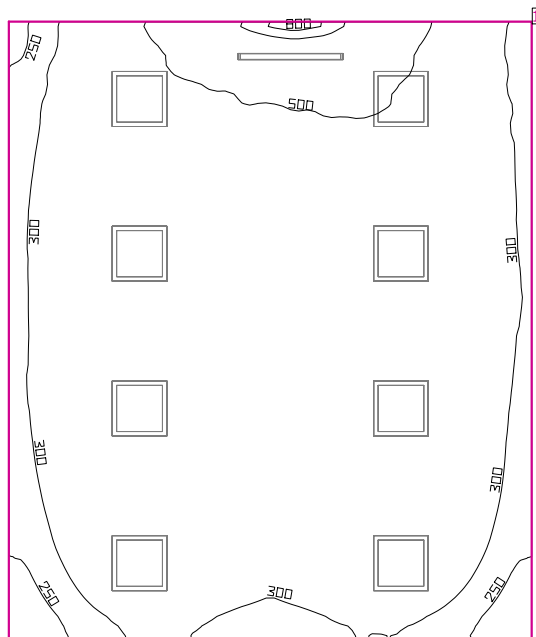
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 30	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	398 (≥ 500)	202	803	0.51	0.25

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
8	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1	LUXIONA Troil - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires		27020	296.0	91.3

Lighting power density:  $7.15 \text{ W/m}^2 = 1.80 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $41.40 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 810 kWh/a of maximum 1450 kWh/a

31



Clearance height: 3.000 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

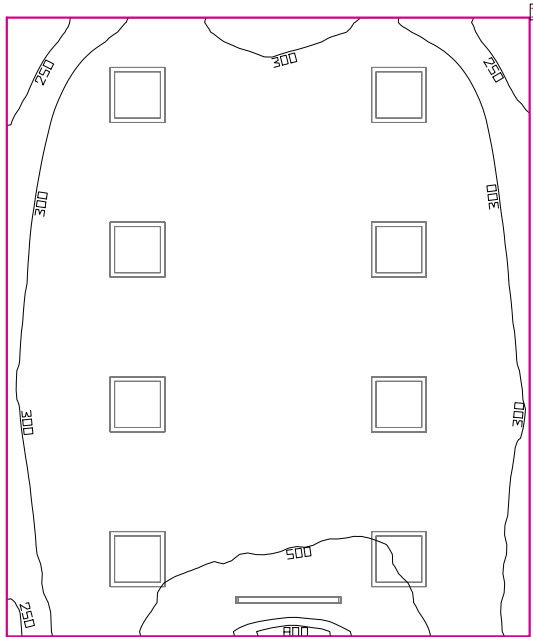
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 31	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	396 (≥ 500)	201	822	0.51	0.24

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
8 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1 LUXIONA Troll - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
<b>Total via all luminaires</b>	<b>27020</b>	<b>296.0</b>	<b>91.3</b>

Lighting power density: 7.09 W/m² = 1.79 W/m²/100 lx (Floor area of room 41.75 m²)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 810 kWh/a of maximum 1500 kWh/a

## 32



Clearance height: 3.000 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

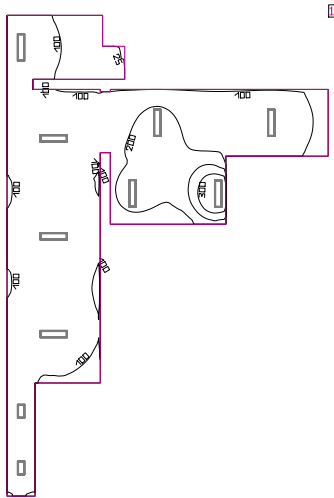
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 32	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	397 (≥ 500)	201	835	0.51	0.24

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
8 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
1 LUXIONA Troll - ARUN_SLIM_LED_XXX_OPTICS-3 ARUNA SLIM N LED 4000LM OPTICS-3 E 34 840 L-1200	3772	32.0	117.9
Total via all luminaires	27020	296.0	91.3

Lighting power density:  $7.09 \text{ W/m}^2 = 1.79 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $41.75 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 810 kWh/a of maximum 1500 kWh/a

## 33



Clearance height: 6.300 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

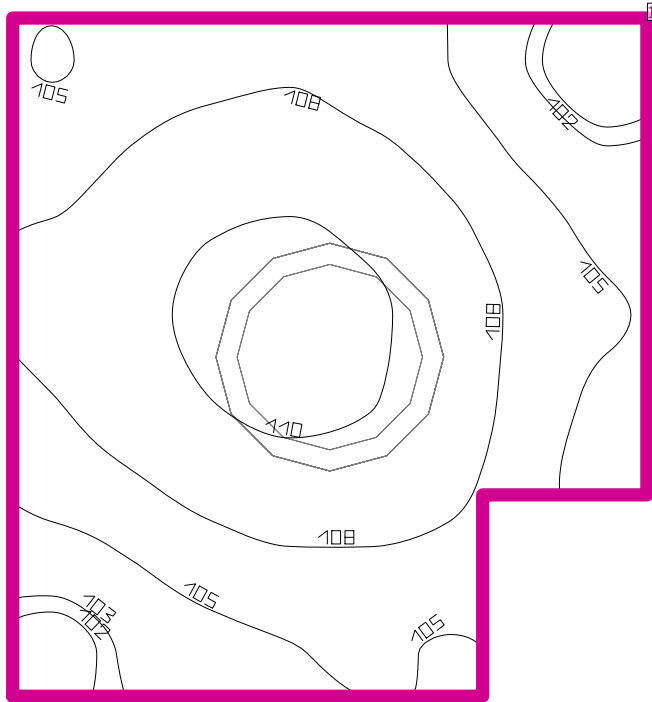
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 33	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	151 (≥ 500)	24.4	386	0.16	0.06

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 2600LM PLX E IP44 21 840 / 600X300	1937	22.0	88.1
8 LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 5200LM PLX E IP44 21 840 / 1200X300	3875	43.0	90.1
Total via all luminaires	34874	388.0	89.9

Lighting power density:  $3.21 \text{ W/m}^2 = 2.13 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $120.81 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 1050 kWh/a of maximum 4250 kWh/a

34



Clearance height: 2.900 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

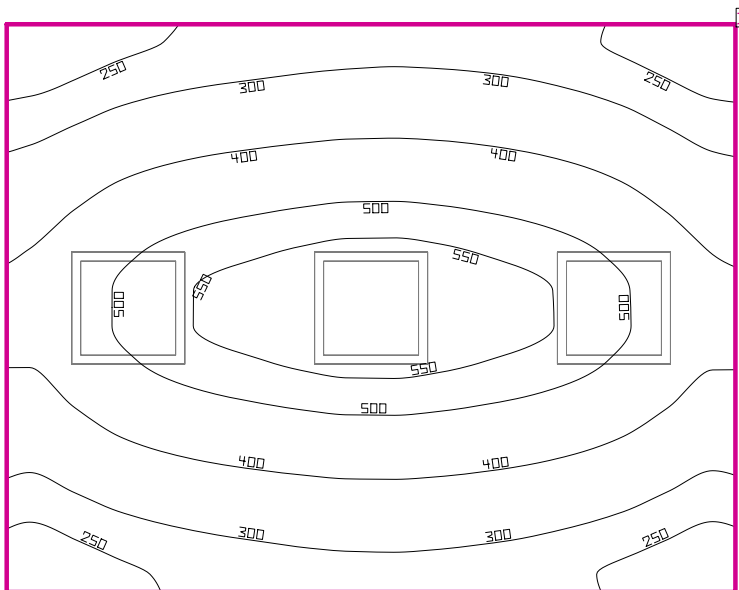
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 34	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	107 (≥ 500)	101	111	0.94	0.91

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires		2025	20.0	101.3

Lighting power density: 14.14 W/m² = 13.24 W/m²/100 lx (Floor area of room 1.41 m²)

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 55 kWh/a of maximum 100 kWh/a

35



Clearance height: 2.500 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 35	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	396 (≥ 500)	209	591	0.53	0.35

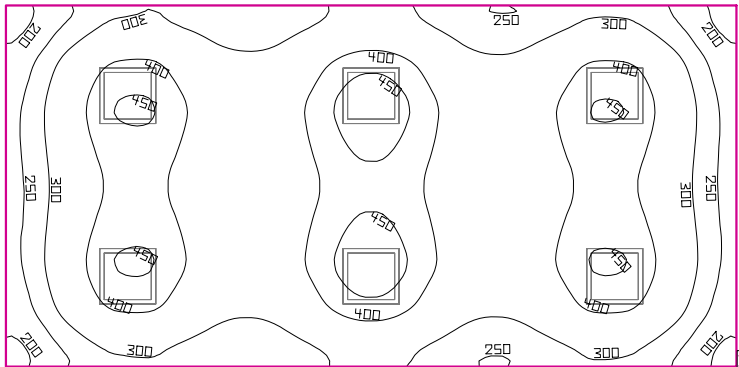
#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
3	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
Total via all luminaires		8718	99.0	88.1

Lighting power density:  $7.82 \text{ W/m}^2 = 1.98 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $12.65 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 270 kWh/a of maximum 450 kWh/a



## 36



Clearance height: 2.500 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

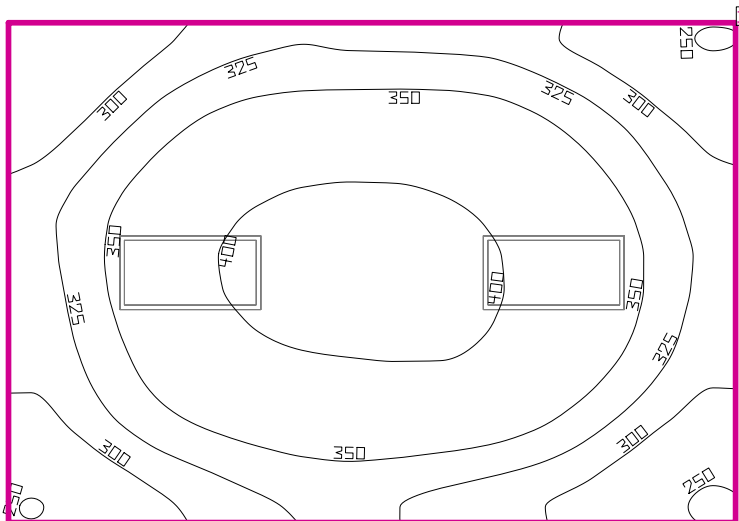
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 36	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	351 (≥ 500)	181	483	0.52	0.37

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
6	LUXIONA POLAND S.A. - RLOOKLEDXX_XXMPRMEI44 RUBIN LOOK LED 3900LM PLX E IP44 34 830 / 600X600	2906	33.0	88.1
Total via all luminaires		17436	198.0	88.1

Lighting power density:  $6.03 \text{ W/m}^2 = 1.72 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $32.84 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 540 kWh/a of maximum 1200 kWh/a

2-1



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

Workplane

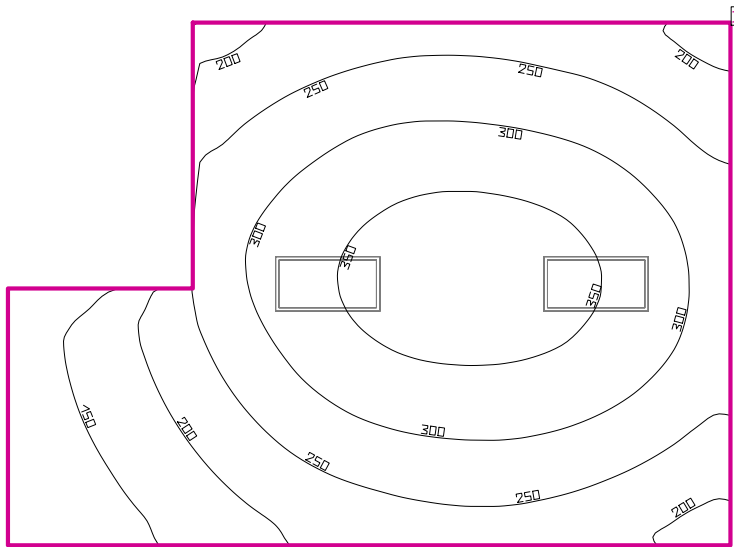
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 57	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	344 (≥ 500)	243	417	0.71	0.58

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2	LUXIONA TroII - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 4400LM PLX E IP44 34 840 / 600X300	3511	32.0	109.7
Total via all luminaires		7022	64.0	109.7

Lighting power density:  $9.09 \text{ W/m}^2 = 2.64 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $7.04 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 180 kWh/a of maximum 250 kWh/a

## 2-2



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

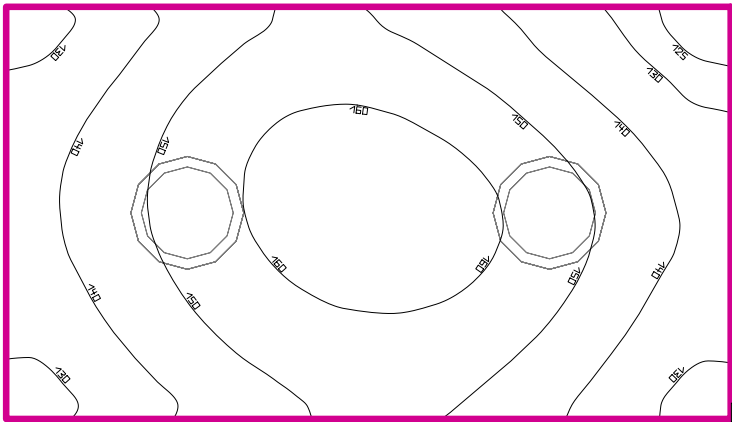
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 58	Perpendicular illuminance (adaptive) [lx] Height: 0.800 m, Wall zone: 0.000 m	266 (≥ 500)	107	377	0.40	0.28

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2	LUXIONA Troil - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 4400LM PLX E IP44 34 840 / 600X300	3511	32.0	109.7
Total via all luminaires		7022	64.0	109.7

Lighting power density:  $5.50 \text{ W/m}^2 = 2.07 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $11.63 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 180 kWh/a of maximum 450 kWh/a

## 2-3



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

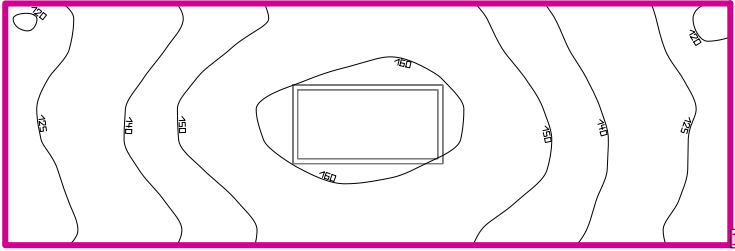
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 59	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	147 (≥ 500)	121	166	0.82	0.73

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires		4050	40.0	101.3

Lighting power density:  $9.23 \text{ W/m}^2 = 6.27 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $4.33 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 110 kWh/a of maximum 200 kWh/a

## 2-5



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

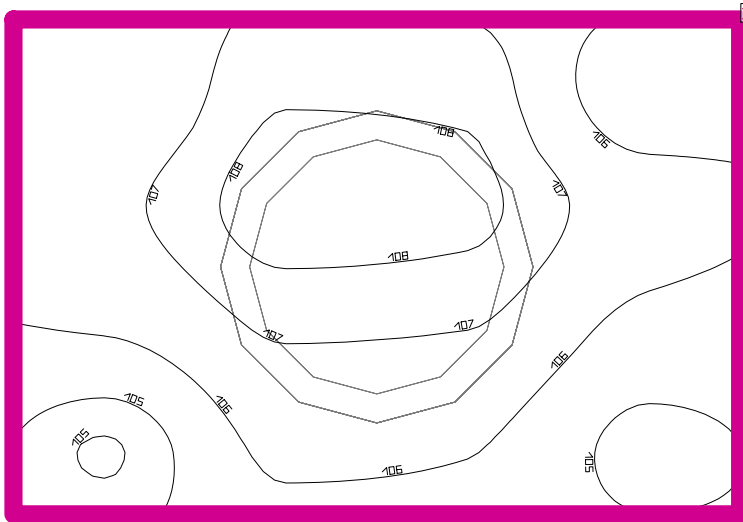
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 60	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	144 (≥ 500)	119	164	0.83	0.73

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troil - RLOOKLEDXX_XXPLXEI44 RUBIN LOOK LED 4400LM PLX E IP44 34 840 / 600X300	3511	32.0	109.7
Total via all luminaires		3511	32.0	109.7

Lighting power density:  $10.67 \text{ W/m}^2 = 7.43 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $3.00 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 150 kWh/a

## 2-6



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

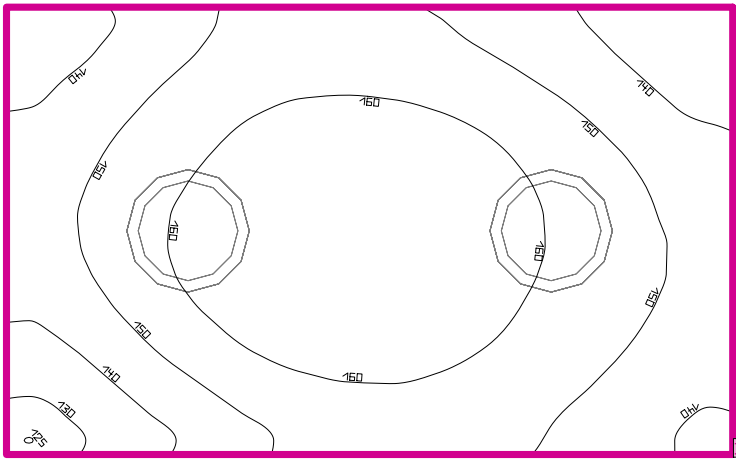
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 61	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	106 (≥ 500)	104	108	0.98	0.96

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
1	LUXIONA Troll - AM500LEDXXPCI65 AMETYST 500 LED 3800LM PC E IP65 830	2675	32.0	83.6
Total via all luminaires		2675	32.0	83.6

Lighting power density:  $46.94 \text{ W/m}^2 = 44.12 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $0.68 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 88 kWh/a of maximum 50 kWh/a

## 2-4



Clearance height: 3.200 m, Reflection factors: Ceiling 70.0%, Walls 50.0%, Floor 20.0%, Maintenance factor: 0.80

## Workplane

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Workplane 62	Perpendicular illuminance (adaptive) [lx] Height: 0.000 m, Wall zone: 0.000 m	153 (≥ 500)	125	170	0.82	0.74

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
2	LUXIONA Troll - AM500LEDXXXPCI65 AMETYST 500 LED 2700LM PC E IP65 840	2025	20.0	101.3
Total via all luminaires		4050	40.0	101.3

Lighting power density:  $9.99 \text{ W/m}^2 = 6.55 \text{ W/m}^2/100 \text{ lx}$  (Floor area of room  $4.00 \text{ m}^2$ )

The energy consumption quantities refer to the lights planned for the room without taking into account light scenes and their dimming levels.  
Consumption: 110 kWh/a of maximum 150 kWh/a