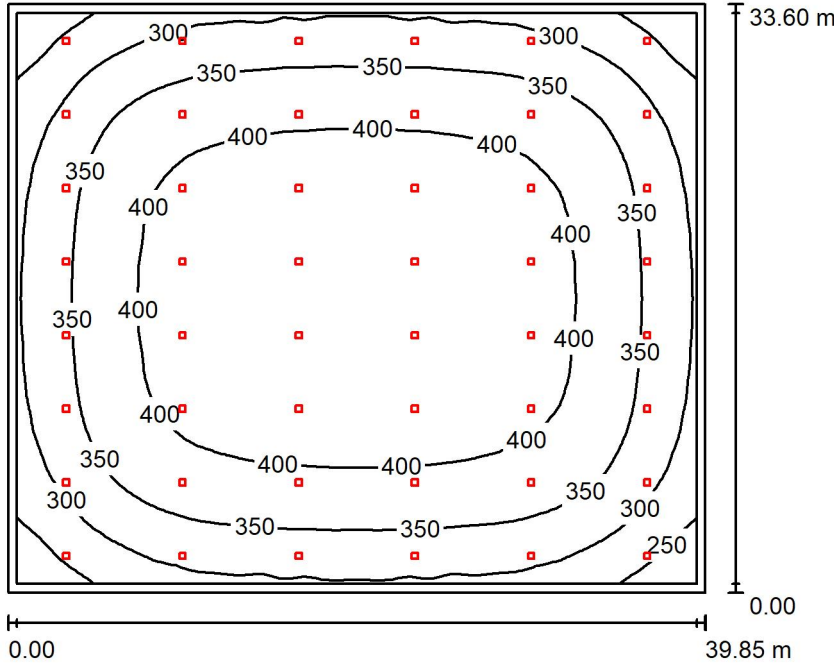


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**хангар / Summary**



Height of Room: 9.500 m, Mounting Height: 9.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:432

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	364	208	435	0.570
Floor	20	350	189	430	0.540
Ceiling	70	78	65	108	0.836
Walls (4)	50	184	68	357	/

**Workplane:**  
 Height: 0.750 m  
 Grid: 64 x 64 Points  
 Boundary Zone: 0.500 m  
**UGR** Lengthways- Across to luminaire axis  
 Left Wall 28 28  
 Lower Wall 28 28  
 (CIE, SHR = 1.00.)  
 Illuminance Quotient (according to LG7): Walls / Working Plane: 0.505, Ceiling / Working Plane: 0.215.

**Luminaire Parts List**

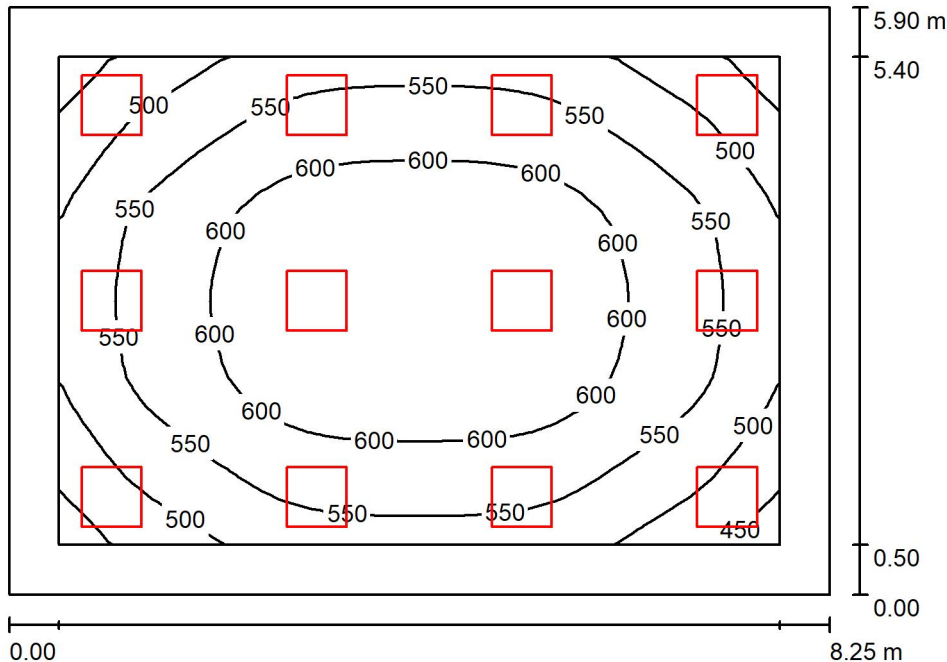
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	48	2R LED High Bay Olimpia 100W IP66 (1.000)	14000	14000	100.0
			Total: 672013	Total: 672000	4800.0

Specific connected load:  $3.59 \text{ W/m}^2 = 0.98 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $1338.86 \text{ m}^2$ )

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**Офис / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:76

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	563	423	643	0.752
Floor	20	462	310	565	0.671
Ceiling	70	142	129	188	0.909
Walls (4)	50	343	170	557	/

**Workplane:**  
 Height: 0.750 m  
 Grid: 32 x 32 Points  
 Boundary Zone: 0.500 m  
**UGR** Lengthways- Across to luminaire axis  
 Left Wall 20 20  
 Lower Wall 20 20  
 (CIE, SHR = 1.00.)

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.650, Ceiling / Working Plane: 0.253.

**Luminaire Parts List**

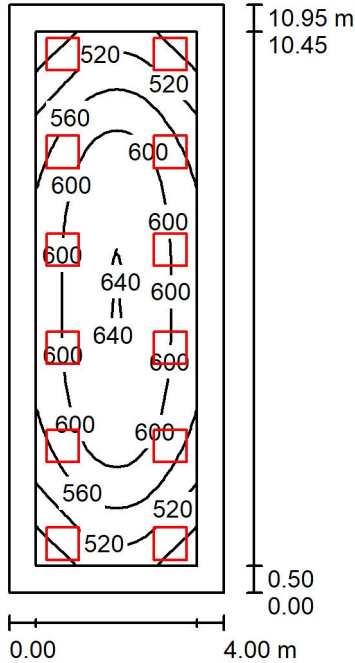
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 46510	Total: 46452	516.0

Specific connected load:  $10.60 \text{ W/m}^2 = 1.88 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $48.68 \text{ m}^2$ )

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**IT стая / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:141

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	576	447	642	0.777
Floor	20	463	309	551	0.667
Ceiling	70	155	125	208	0.805
Walls (4)	50	360	171	585	/

**Workplane:**

Height: 0.750 m  
Grid: 16 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

18  
20

**Across**

18  
20

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.675, Ceiling / Working Plane: 0.269.

**Luminaire Parts List**

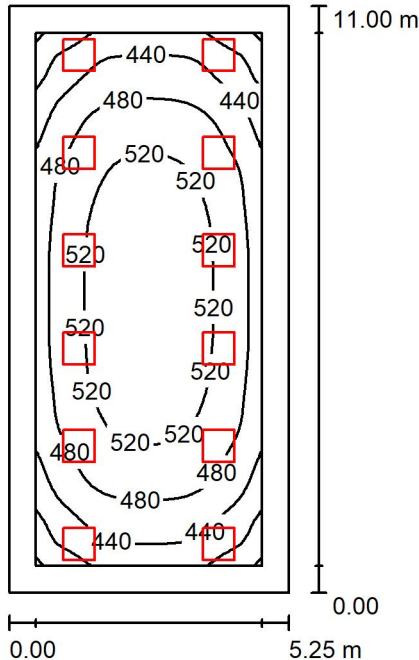
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 46510	Total: 46452	516.0

Specific connected load: 11.78 W/m<sup>2</sup> = 2.05 W/m<sup>2</sup>/100 lx (Ground area: 43.80 m<sup>2</sup>)

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**US team room / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:142

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	485	357	543	0.736
Floor	20	400	256	483	0.640
Ceiling	70	120	94	161	0.777
Walls (4)	50	291	131	529	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 64 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

18  
20

**Across**

18  
20

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.638, Ceiling / Working Plane: 0.248.

**Luminaire Parts List**

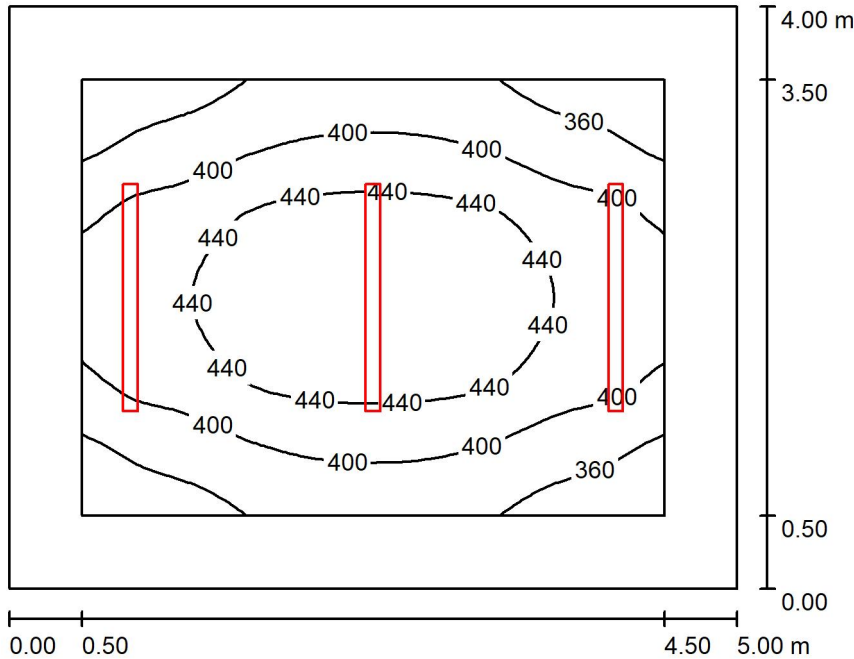
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 46510	Total: 46452	516.0

Specific connected load:  $8.94 \text{ W/m}^2 = 1.84 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $57.75 \text{ m}^2$ )

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**Котелно / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:52

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	410	324	477	0.790
Floor	20	300	228	362	0.759
Ceiling	70	225	103	1279	0.456
Walls (4)	50	272	148	837	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.723, Ceiling / Working Plane: 0.550.

**Luminaire Parts List**

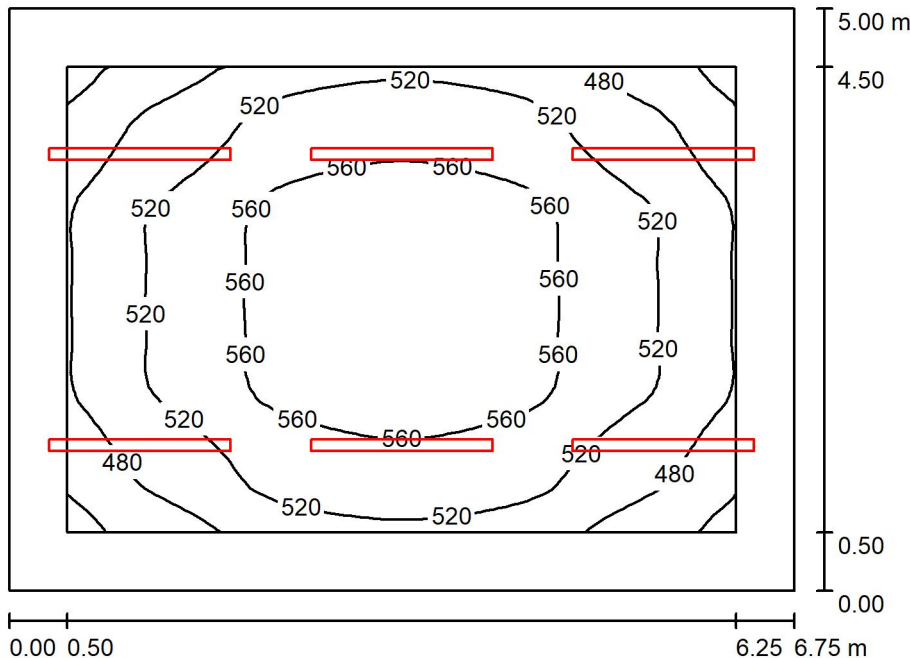
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			18450	18450	150.0

Specific connected load:  $7.50 \text{ W/m}^2 = 1.83 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $20.00 \text{ m}^2$ )

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**Техническо помещение ОБК / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:65

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	528	426	586	0.807
Floor	20	418	311	496	0.744
Ceiling	70	277	154	1320	0.556
Walls (5)	50	373	205	659	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.769, Ceiling / Working Plane: 0.525.

**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	6	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			36901	36900	300.0

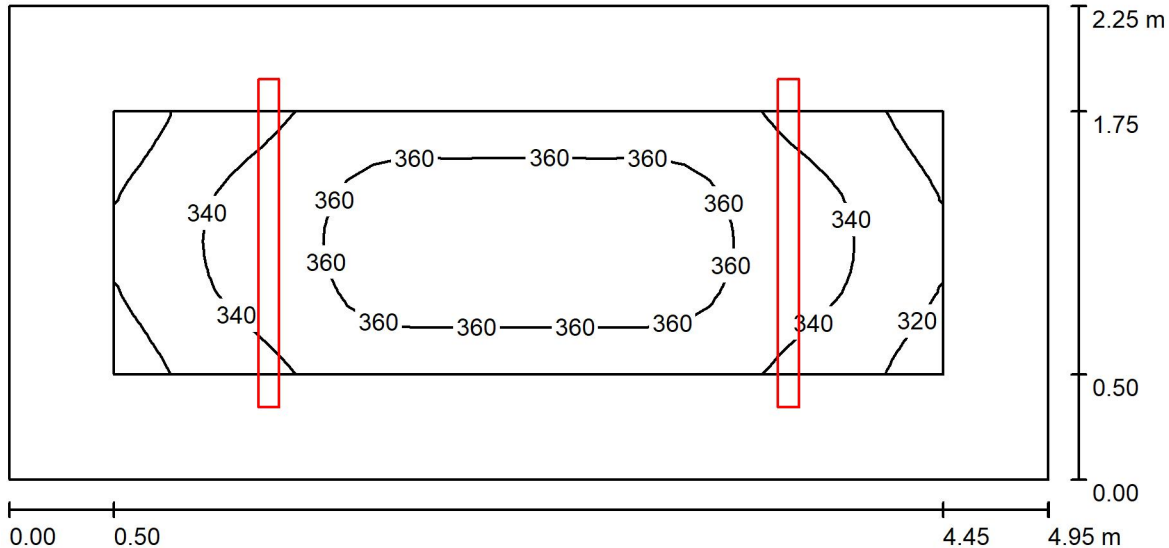
Specific connected load:  $8.89 \text{ W/m}^2 = 1.68 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $33.75 \text{ m}^2$ )



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**GPT / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:36

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	348	310	368	0.891
Floor	20	244	193	278	0.792
Ceiling	70	259	135	1299	0.521
Walls (4)	50	268	108	603	/

**Workplane:**  
 Height: 0.750 m      **UGR**  
 Grid: 16 x 32 Points      Left Wall 21      Across 19  
 Boundary Zone: 0.500 m      Lower Wall 21      to luminaire axis  
 (CIE, SHR = 1.00.)

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.869, Ceiling / Working Plane: 0.742.

**Luminaire Parts List**

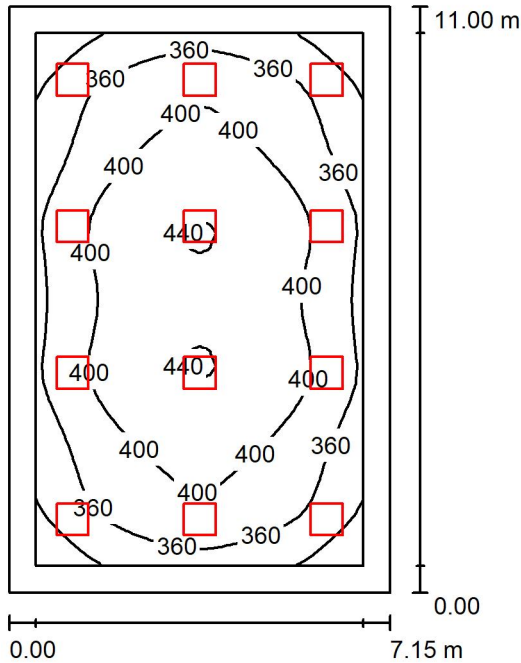
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	2	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			12300	12300	100.0

Specific connected load:  $8.98 \text{ W/m}^2 = 2.58 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $11.14 \text{ m}^2$ )

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**Стая за почивка / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:142

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	385	280	444	0.729
Floor	20	326	204	396	0.625
Ceiling	70	91	82	111	0.902
Walls (4)	50	226	100	363	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall 20  
Lower Wall 21  
(CIE, SHR = 1.00.)

**Lengthways-**

20  
21

**Across**

20  
21

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.618, Ceiling / Working Plane: 0.236.

**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 46510	Total: 46452	516.0

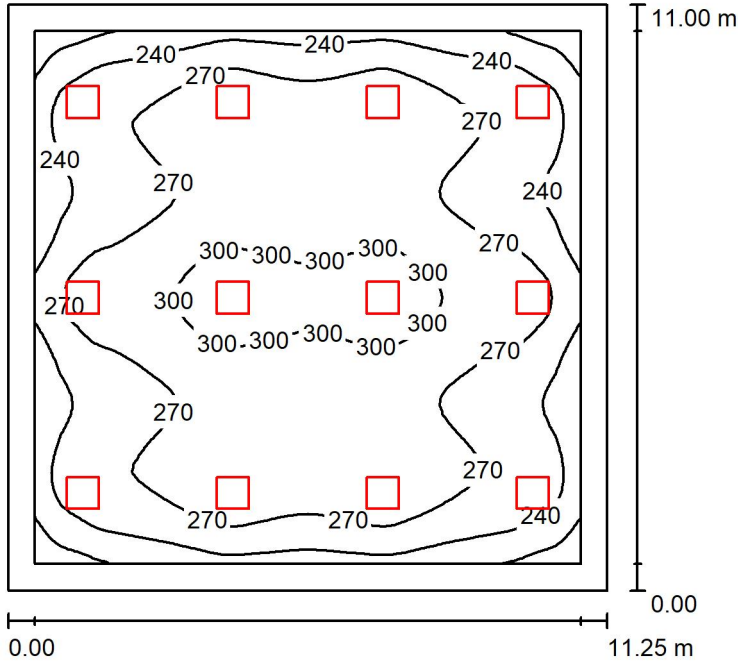
Specific connected load:  $6.56 \text{ W/m}^2 = 1.70 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $78.65 \text{ m}^2$ )



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**Storage / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:142

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	268	183	321	0.683
Floor	20	233	138	284	0.591
Ceiling	70	59	53	82	0.884
Walls (4)	50	151	67	243	/

**Workplane:**

Height: 0.750 m  
Grid: 64 x 64 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

Lengthways-  
Across  
to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.581, Ceiling / Working Plane: 0.222.

**Luminaire Parts List**

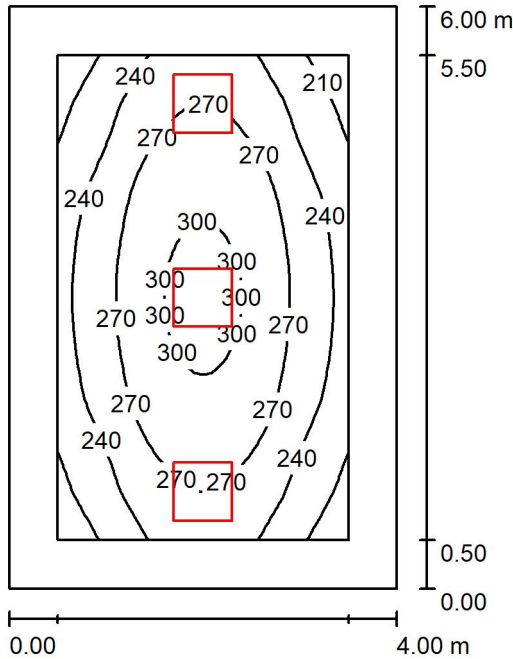
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 46510	Total: 46452	516.0

Specific connected load: 4.17 W/m<sup>2</sup> = 1.56 W/m<sup>2</sup>/100 lx (Ground area: 123.75 m<sup>2</sup>)

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**Склад / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:78

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	258	192	309	0.742
Floor	20	192	135	239	0.702
Ceiling	70	65	48	110	0.734
Walls (4)	50	146	62	388	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

17  
19

**Across**

17  
19

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.604, Ceiling / Working Plane: 0.251.

**Luminaire Parts List**

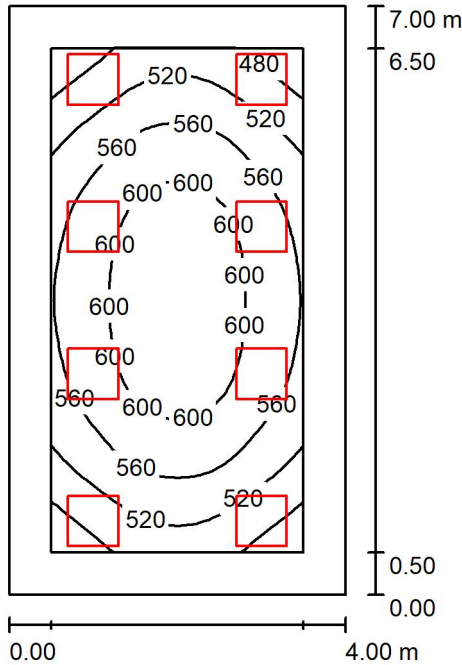
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 11627	Total: 11613	129.0

Specific connected load:  $5.38 \text{ W/m}^2 = 2.08 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $24.00 \text{ m}^2$ )

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**Лаборатория / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:90

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	559	448	627	0.801
Floor	20	436	313	524	0.718
Ceiling	70	157	142	215	0.902
Walls (4)	50	355	186	623	/

**Workplane:**

Height: 0.750 m  
Grid: 16 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

18  
19

**Across**

18  
19

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.687, Ceiling / Working Plane: 0.282.

**Luminaire Parts List**

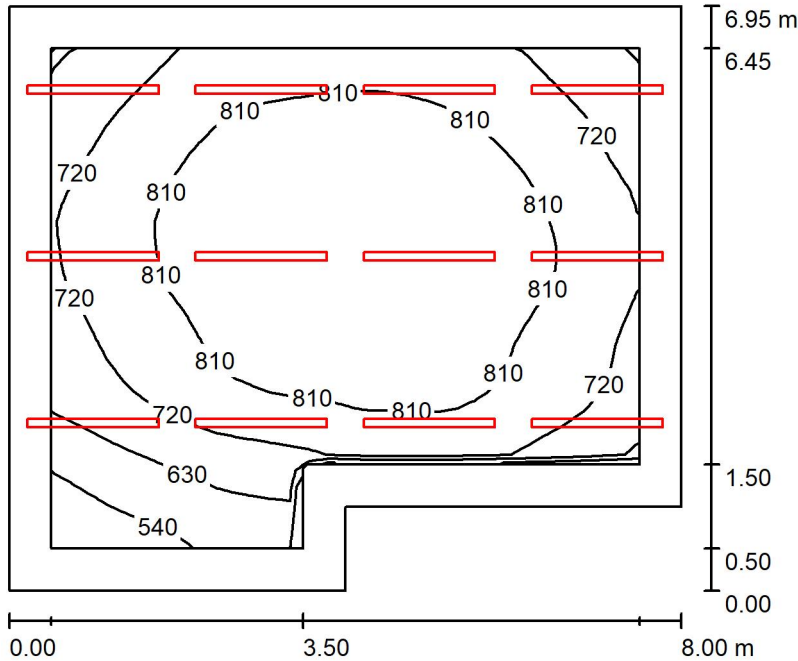
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	8	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
			Total: 31007	Total: 30968	344.0

Specific connected load: 12.29 W/m<sup>2</sup> = 2.20 W/m<sup>2</sup>/100 lx (Ground area: 28.00 m<sup>2</sup>)

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**Помещение за боядисване / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:90

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	770	466	898	0.606
Floor	20	627	379	778	0.605
Ceiling	70	370	178	1382	0.480
Walls (6)	50	523	223	1043	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.731, Ceiling / Working Plane: 0.481.

**Luminaire Parts List**

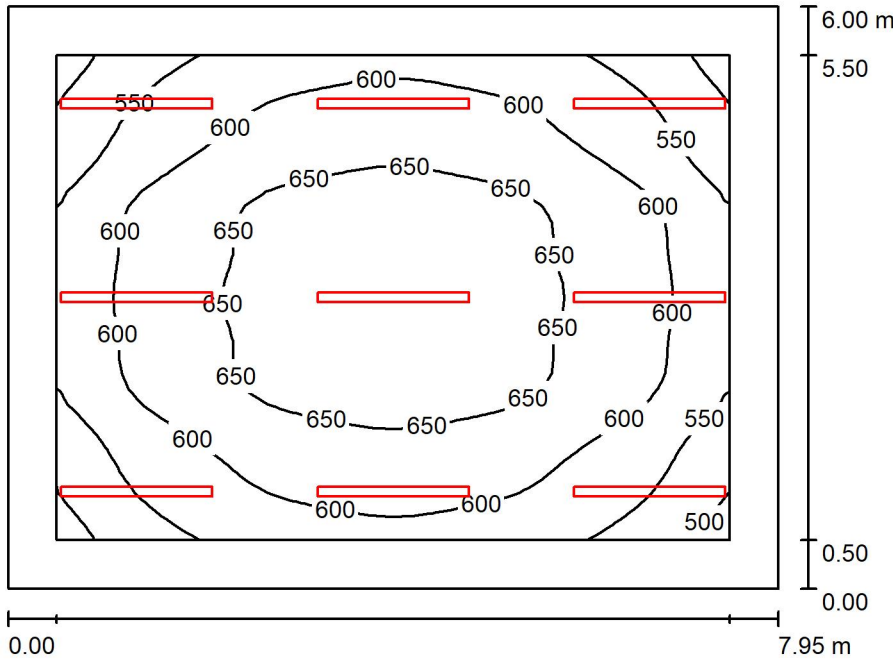
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			73801	73800	600.0

Specific connected load: 11.63 W/m<sup>2</sup> = 1.51 W/m<sup>2</sup>/100 lx (Ground area: 51.60 m<sup>2</sup>)

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**Mech room ( стая за механична обработка на метали) / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:78

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	609	481	686	0.790
Floor	20	496	355	596	0.715
Ceiling	70	301	163	1340	0.543
Walls (4)	50	427	247	783	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

Lengthways-  
Across  
to luminaire axis

25  
24  
21  
22

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.758, Ceiling / Working Plane: 0.495.

**Luminaire Parts List**

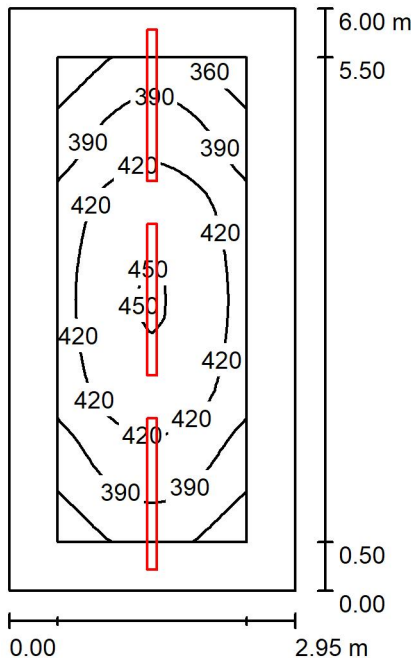
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	9	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			55351	55350	450.0

Specific connected load:  $9.43 \text{ W/m}^2 = 1.55 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $47.70 \text{ m}^2$ )

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**Power & Utilities 18m2 / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:78

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	407	338	453	0.830
Floor	20	296	221	349	0.747
Ceiling	70	251	132	1272	0.526
Walls (4)	50	292	139	832	/

**Workplane:**

Height: 0.750 m  
Grid: 16 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

Lengthways-

21  
24

Across

19  
20

to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.796, Ceiling / Working Plane: 0.618.

**Luminaire Parts List**

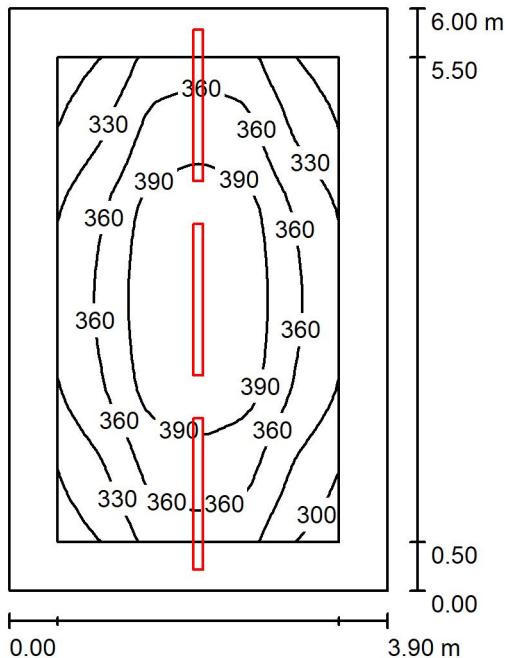
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			18450	18450	150.0

Specific connected load:  $8.47 \text{ W/m}^2 = 2.08 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $17.70 \text{ m}^2$ )

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**Power & Utilities 24m2 / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:78

Surface	ρ [%]	E <sub>av</sub> [lx]	E <sub>min</sub> [lx]	E <sub>max</sub> [lx]	u0
Workplane	/	360	280	420	0.778
Floor	20	268	198	329	0.737
Ceiling	70	193	98	1215	0.508
Walls (4)	50	240	127	800	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall 21  
Lower Wall 24  
(CIE, SHR = 1.00.)

**Lengthways-**

21  
24

**Across**

19  
20

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.726, Ceiling / Working Plane: 0.537.

**Luminaire Parts List**

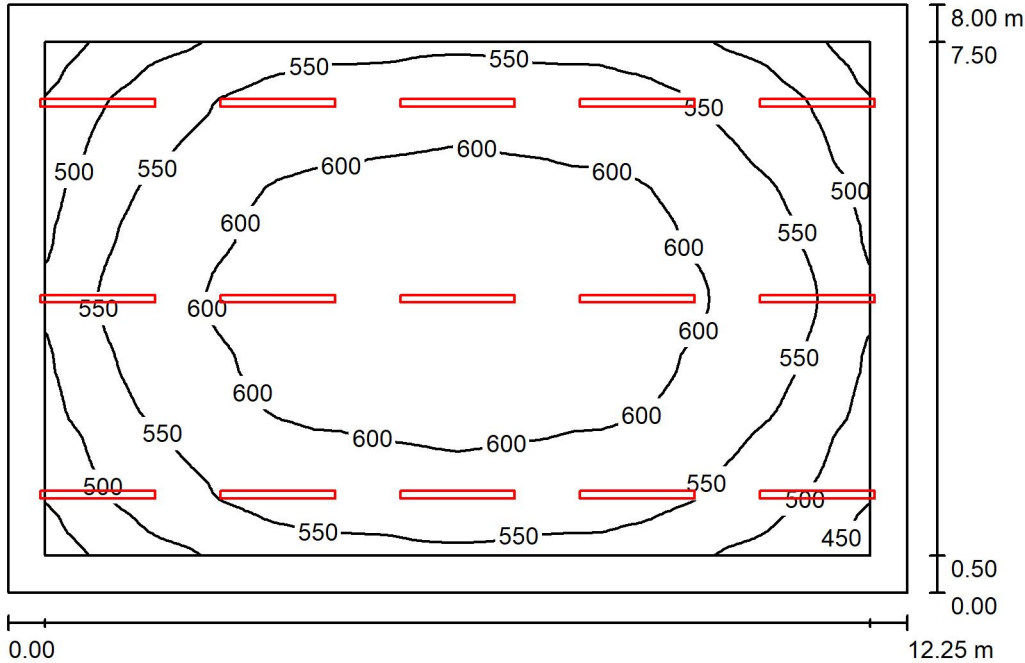
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	3	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			18450	18450	150.0

Specific connected load: 6.41 W/m<sup>2</sup> = 1.78 W/m<sup>2</sup>/100 lx (Ground area: 23.40 m<sup>2</sup>)

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**Tool Room / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:103

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	567	425	647	0.750
Floor	20	486	325	582	0.669
Ceiling	70	251	138	1211	0.549
Walls (4)	50	394	237	587	/

**Workplane:**

Height: 0.750 m  
Grid: 64 x 64 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

28  
26

**Across**

23  
23

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.741, Ceiling / Working Plane: 0.444.

**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	15	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			92251	92250	750.0

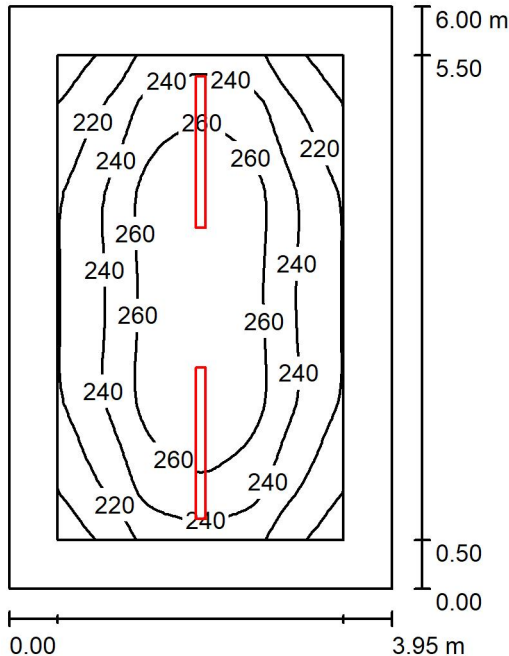
Specific connected load: 7.65 W/m<sup>2</sup> = 1.35 W/m<sup>2</sup>/100 lx (Ground area: 98.00 m<sup>2</sup>)



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**T.O. /Docs/ / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:78

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	243	188	277	0.772
Floor	20	180	129	218	0.719
Ceiling	70	126	64	1114	0.509
Walls (4)	50	157	89	270	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall 21  
Lower Wall 24  
(CIE, SHR = 1.00.)

**Lengthways-**

21  
24

**Across**

19  
20

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.702, Ceiling / Working Plane: 0.519.

**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	2	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			12300	12300	100.0

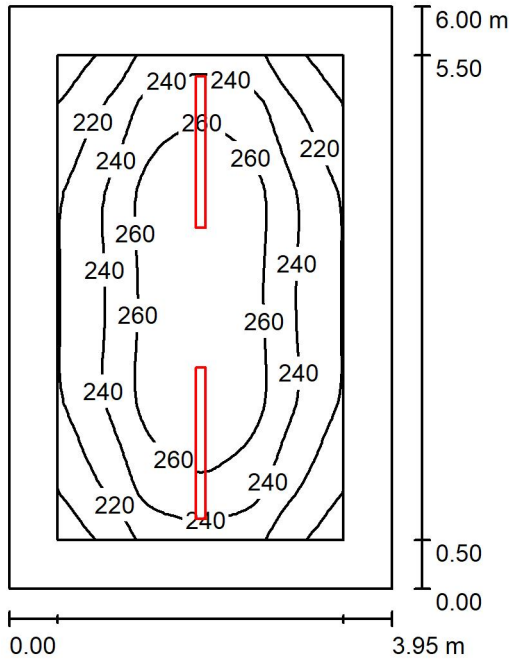
Specific connected load:  $4.22 \text{ W/m}^2 = 1.74 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $23.70 \text{ m}^2$ )



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**Storage / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:78

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	243	188	277	0.772
Floor	20	180	129	218	0.719
Ceiling	70	126	64	1114	0.509
Walls (4)	50	157	89	270	/

**Workplane:**  
 Height: 0.750 m  
 Grid: 32 x 32 Points  
 Boundary Zone: 0.500 m  
**UGR**  
 Left Wall 21  
 Lower Wall 24  
 Lengthways- Across to luminaire axis  
 21 19  
 24 20  
 (CIE, SHR = 1.00.)

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.704, Ceiling / Working Plane: 0.519.

**Luminaire Parts List**

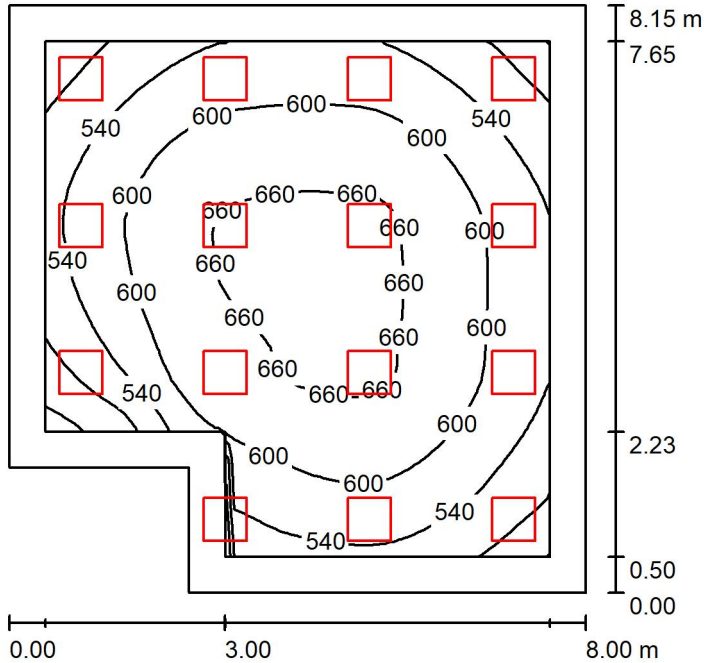
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	2	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			12300	12300	100.0

Specific connected load: 4.22 W/m<sup>2</sup> = 1.74 W/m<sup>2</sup>/100 lx (Ground area: 23.70 m<sup>2</sup>)

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**Офис / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:105

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	590	406	674	0.689
Floor	20	490	305	604	0.623
Ceiling	70	145	119	333	0.825
Walls (6)	50	354	175	1520	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.635, Ceiling / Working Plane: 0.245.

**Luminaire Parts List**

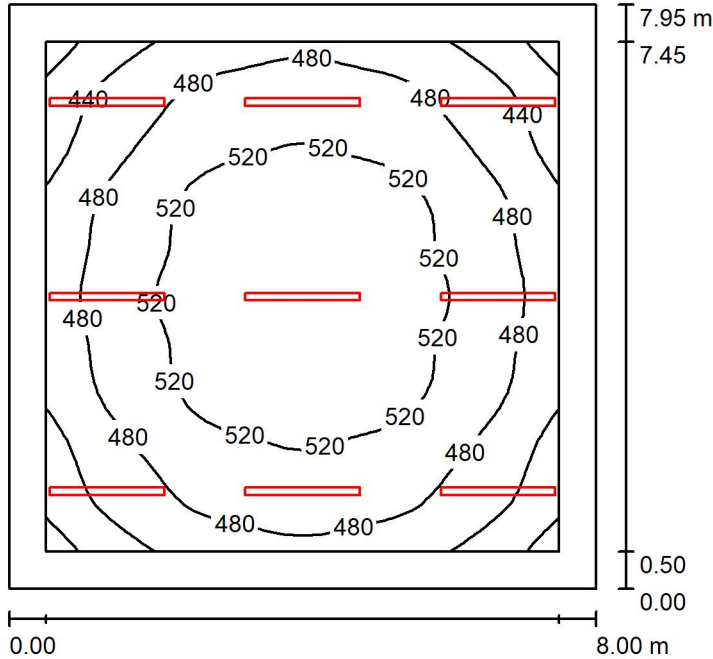
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	15	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
Total:			58137	58065	645.0

Specific connected load:  $10.60 \text{ W/m}^2 = 1.80 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $60.87 \text{ m}^2$ )

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**F-16 Fuel System Mx / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:103

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	493	383	558	0.778
Floor	20	411	289	492	0.704
Ceiling	70	228	124	1204	0.543
Walls (4)	50	337	198	538	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall 26  
Lower Wall 26  
(CIE, SHR = 1.00.)

**Lengthways-**

26  
26

**Across**

23  
23

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.734, Ceiling / Working Plane: 0.464.

**Luminaire Parts List**

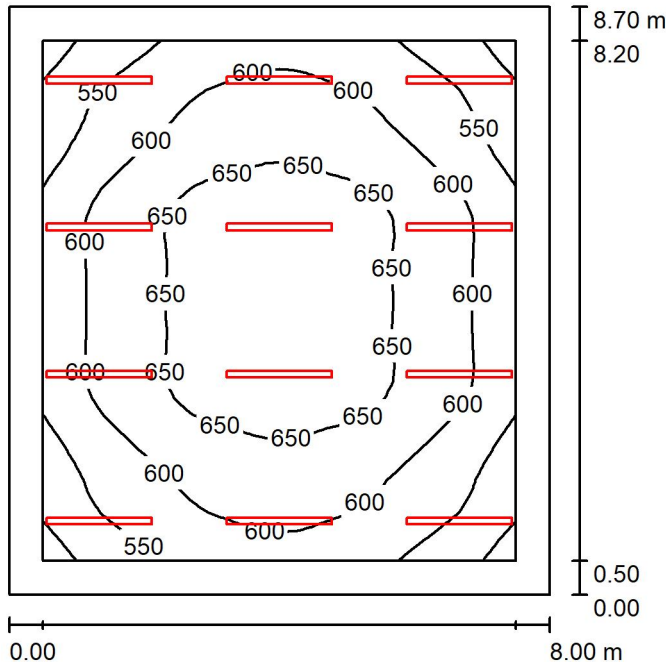
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	9	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			55351	55350	450.0

Specific connected load: 7.08 W/m<sup>2</sup> = 1.44 W/m<sup>2</sup>/100 lx (Ground area: 63.59 m<sup>2</sup>)

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**External Fuel Tanks Mx / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:112

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	607	477	682	0.786
Floor	20	510	361	608	0.708
Ceiling	70	279	152	1303	0.545
Walls (4)	50	418	256	728	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall 26  
Lower Wall 26  
(CIE, SHR = 1.00.)

Lengthways- Across to luminaire axis  
26 23  
26 23

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.737, Ceiling / Working Plane: 0.458.

**Luminaire Parts List**

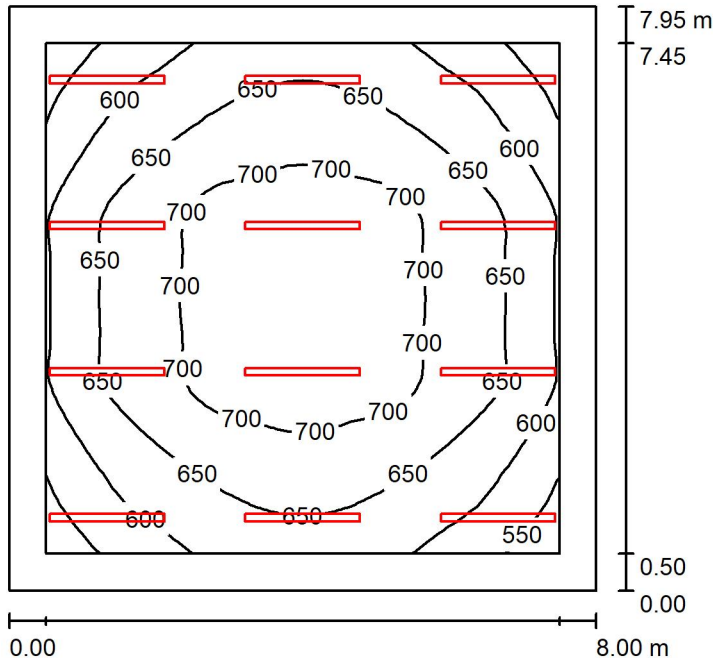
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			73801	73800	600.0

Specific connected load:  $8.62 \text{ W/m}^2 = 1.42 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $69.61 \text{ m}^2$ )

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**F-16 хидразинова система / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:103

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	652	513	731	0.786
Floor	20	544	388	647	0.712
Ceiling	70	304	164	1289	0.538
Walls (4)	50	451	273	821	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

Lengthways-

26  
26

Across

23  
23

to luminaire axis

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.742, Ceiling / Working Plane: 0.466.

**Luminaire Parts List**

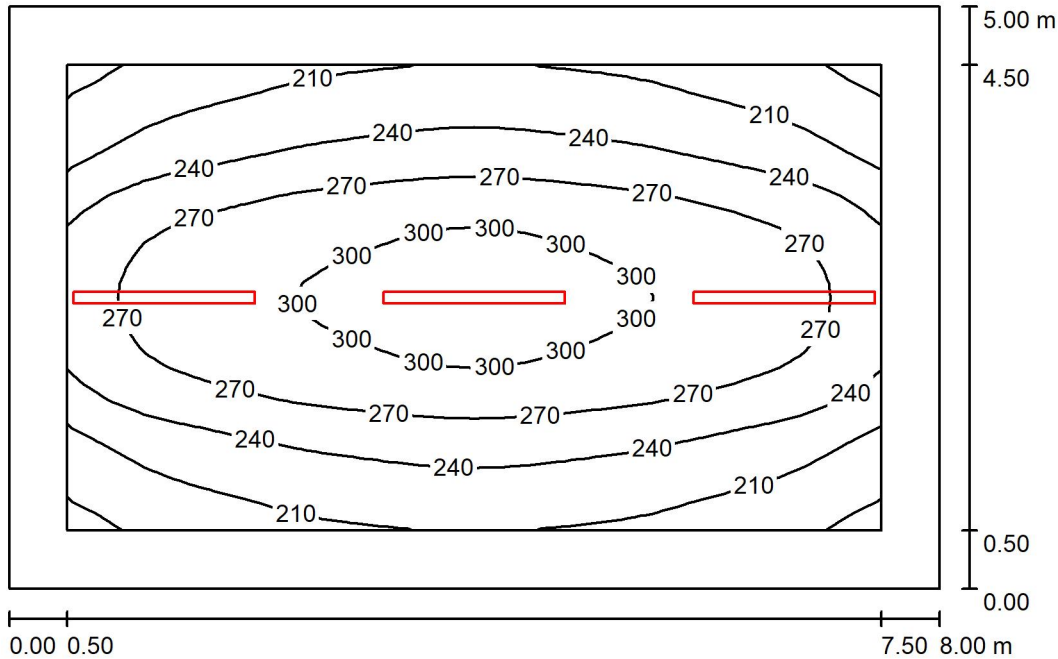
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	12	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			73801	73800	600.0

Specific connected load:  $9.43 \text{ W/m}^2 = 1.45 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $63.60 \text{ m}^2$ )

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**Склад за мобилно HRT / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:65

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	252	171	317	0.680
Floor	20	195	135	252	0.692
Ceiling	70	116	59	1224	0.509
Walls (4)	50	155	91	341	/

**Workplane:**

Height: 0.750 m  
Grid: 32 x 32 Points  
Boundary Zone: 0.500 m

**UGR**

Left Wall  
Lower Wall  
(CIE, SHR = 1.00.)

**Lengthways-**

25  
21

**Across**

21  
20

**to luminaire axis**

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.654, Ceiling / Working Plane: 0.458.

**Luminaire Parts List**

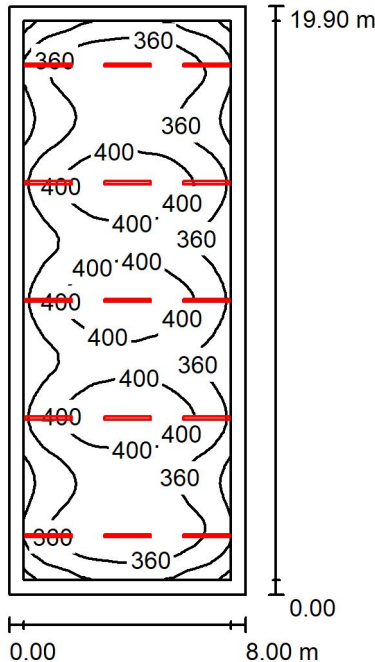
No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	3	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			18450	18450	150.0

Specific connected load: 3.75 W/m<sup>2</sup> = 1.49 W/m<sup>2</sup>/100 lx (Ground area: 40.00 m<sup>2</sup>)

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### Гараж - хидразинен спасителен отряд HRT / Summary



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:256

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	374	270	436	0.722
Floor	20	327	211	387	0.645
Ceiling	70	158	88	1243	0.559
Walls (4)	50	249	156	418	/

**Workplane:**  
 Height: 0.750 m  
 Grid: 32 x 64 Points  
 Boundary Zone: 0.500 m

**UGR**  
 Lengthways-  
 Left Wall 26  
 Lower Wall 29  
 Across  
 to luminaire axis 24  
 24  
 (CIE, SHR = 1.00.)

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.700, Ceiling / Working Plane: 0.417.

#### Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	15	kolux@abv.bg / KOLUX EOOD / 0898 394 186 / TDO II ECO L OPAL 50W 6150lm 4000K 80Ra (1.000)	6150	6150	50.0
Total:			92251	92250	750.0

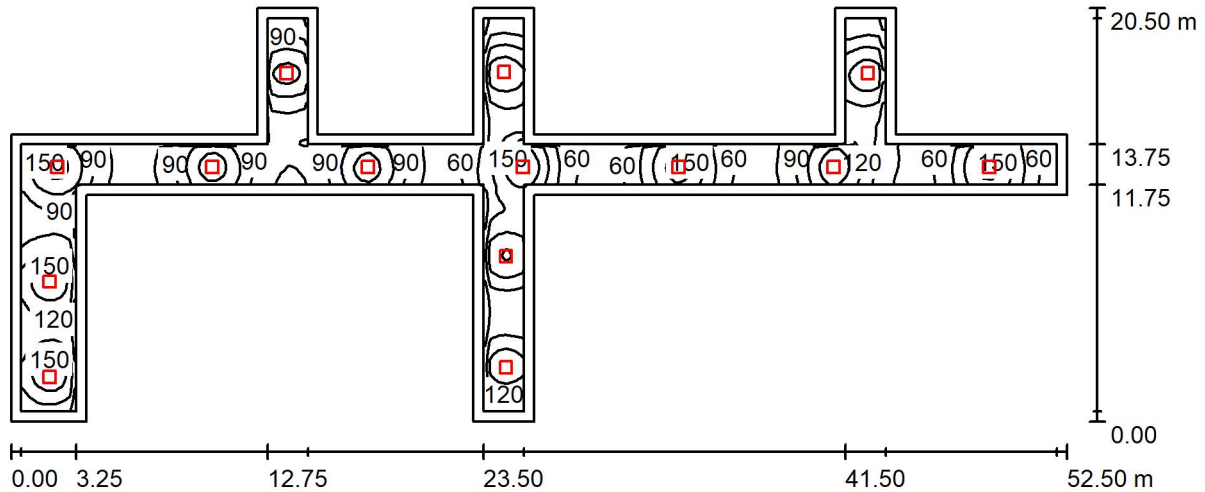
Specific connected load:  $4.71 \text{ W/m}^2 = 1.26 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $159.20 \text{ m}^2$ )



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**коридор / Summary**



Height of Room: 3.500 m, Mounting Height: 3.500 m, Maintenance factor: 0.80

Values in Lux, Scale 1:376

Surface	$\rho$ [%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u_0$
Workplane	/	109	42	185	0.387
Floor	20	87	36	135	0.409
Ceiling	70	27	15	53	0.578
Walls (22)	50	63	20	204	/

**Workplane:**

Height: 0.750 m  
Grid: 128 x 128 Points  
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.619, Ceiling / Working Plane: 0.247.

**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	$\Phi$ (Luminaire) [lm]	$\Phi$ (Lamps) [lm]	P [W]
1	14	kolux@abv.bg i-Panel LED 40W 840 600x600 (1.000)	3876	3871	43.0
Total:			54262	54194	602.0

Specific connected load:  $2.08 \text{ W/m}^2 = 1.91 \text{ W/m}^2/100 \text{ lx}$  (Ground area:  $289.69 \text{ m}^2$ )