

EL-P1

Pielikums Nr.1. Apgaismojuma aprēķins

Partner for Contact:
Order No.:
Company:
Customer No.:

Date: 13.05.2025
Operator:

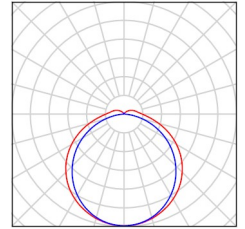


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EL-P1 / Luminaire parts list

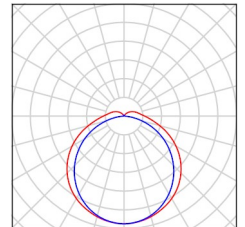
5 Pieces Glamox 16101305-01 i60-1200 LED 3600 830
OP
Article No.: 16101305-01
Luminous flux (Luminaire): 3464 lm
Luminous flux (Lamps): 3465 lm
Luminaire Wattage: 26.0 W
Luminaire classification according to CIE: 94
CIE flux code: 43 74 92 94 100
Fitting: 1 x 16101305-01 (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.



3 Pieces Glamox 20010805M-01 i60-600 LED 2900 830
OP
Article No.: 20010805M-01
Luminous flux (Luminaire): 2792 lm
Luminous flux (Lamps): 2793 lm
Luminaire Wattage: 23.0 W
Luminaire classification according to CIE: 92
CIE flux code: 42 73 91 92 100
Fitting: 1 x 20010805M-01 (Correction Factor
1.000).

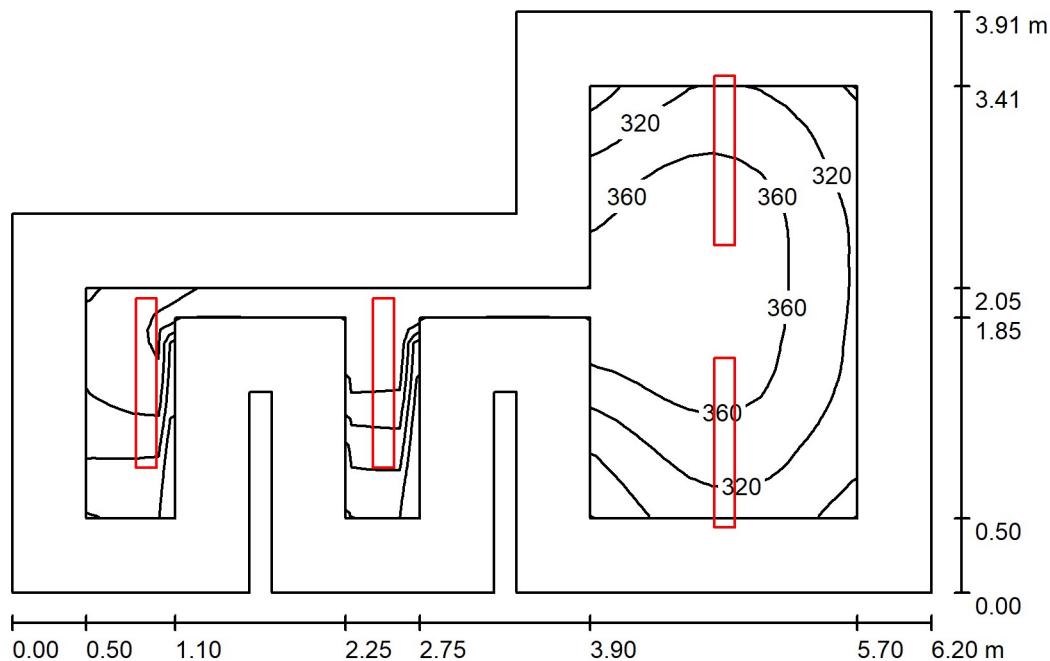
See our luminaire
catalog for an image of
the luminaire.





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Telpa Nr.1; 2; 7 / Summary



Height of Room: 2.840 m, Mounting Height: 2.840 m, Maintenance factor: 0.80

Values in Lux, Scale 1:51

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	341	240	401	0.704
Floor	20	225	138	303	0.614
Ceiling	70	125	69	1190	0.549
Walls (14)	50	187	71	552	/

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.609, Ceiling / Working Plane: 0.367.

Luminaire Parts List

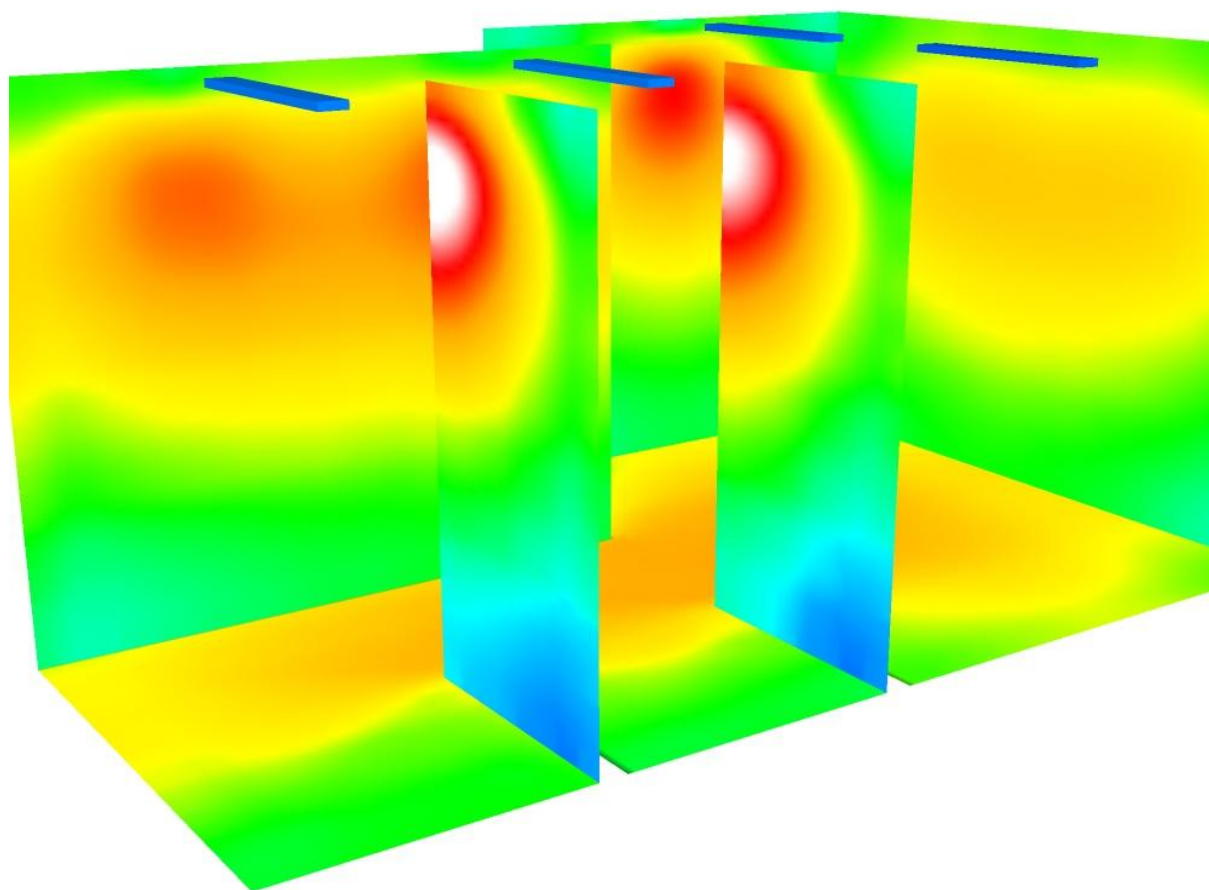
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	4	Glamox 16101305-01 i60-1200 LED 3600 830 OP (1.000)	3464	3465	26.0
Total:			13858	13860	104.0

Specific connected load: $5.41 \text{ W/m}^2 = 1.59 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 19.21 m^2)



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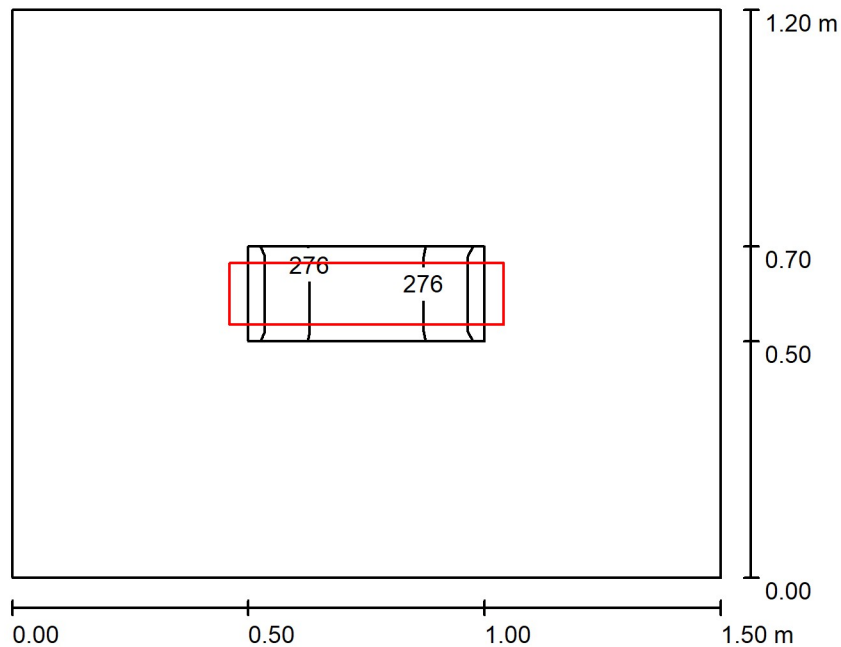
Telpa Nr.1; 2; 7 / False Colour Rendering





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Telpe Nr.3 / Summary



Height of Room: 2.840 m, Mounting Height: 2.840 m, Maintenance factor: 0.80

Values in Lux, Scale 1:16

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	276	275	277	0.996
Floor	20	145	132	157	0.906
Ceiling	70	272	147	1789	0.541
Walls (4)	50	245	61	766	/

Workplane:

Height: 0.750 m
Grid: 4 x 2 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 1.103, Ceiling / Working Plane: 0.985.

Luminaire Parts List

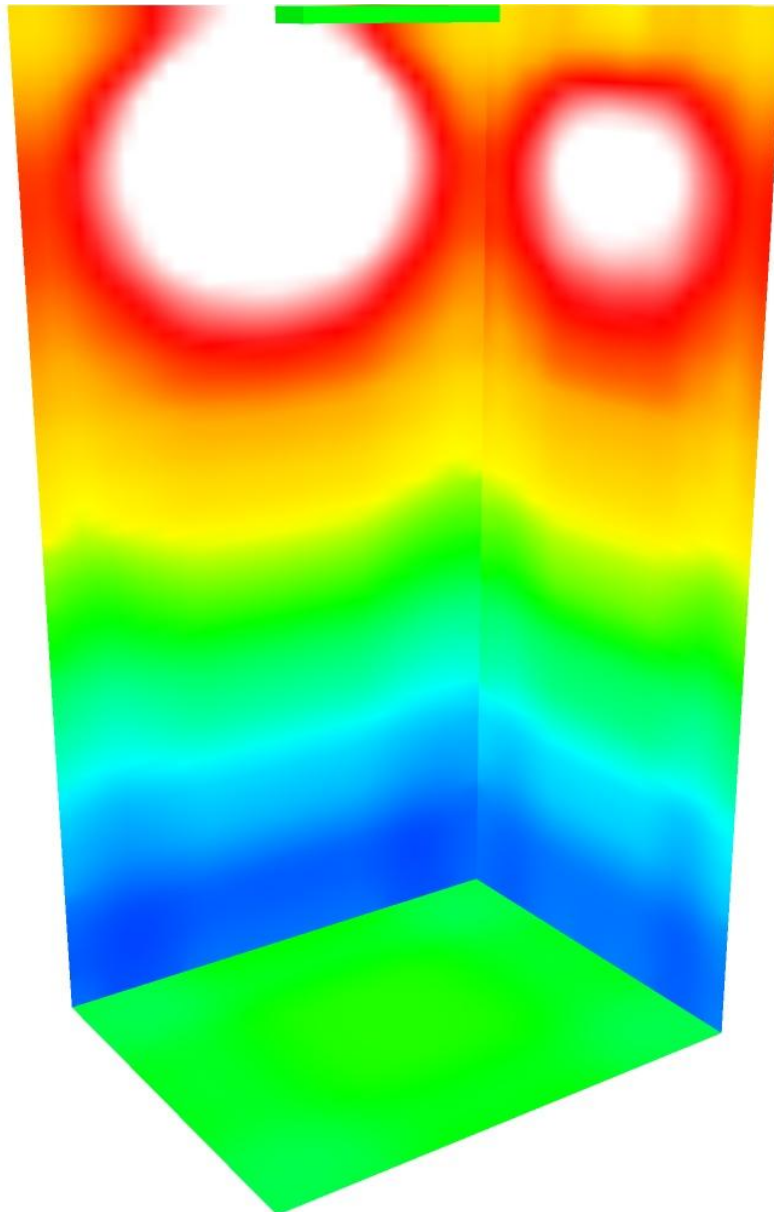
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	Glamox 20010805M-01 i60-600 LED 2900 830 OP (1.000)	2792	2793	23.0
Total:			2792	2793	23.0

Specific connected load: $12.78 \text{ W/m}^2 = 4.63 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 1.80 m^2)



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Telpa Nr.3 / False Colour Rendering



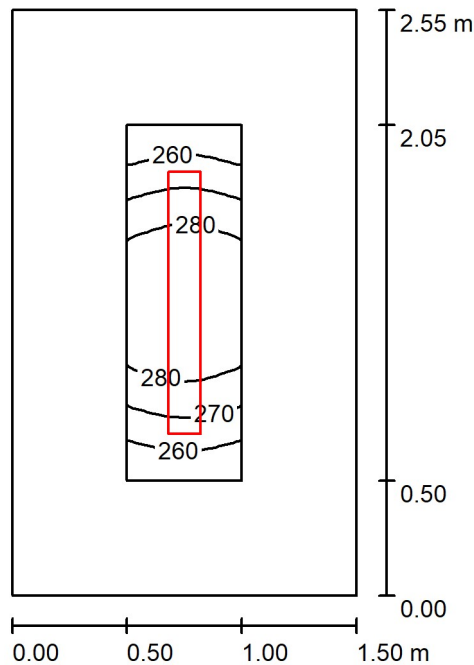
0 10 50 100 150 200 300 400 500

lx



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Telpa Nr.4 / Summary



Height of Room: 2.840 m, Mounting Height: 2.840 m, Maintenance factor: 0.80

Values in Lux, Scale 1:33

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	274	250	290	0.914
Floor	20	156	131	177	0.841
Ceiling	70	144	80	760	0.555
Walls (4)	50	183	67	516	/

Workplane:

Height: 0.750 m
Grid: 8 x 16 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.791, Ceiling / Working Plane: 0.527.

Luminaire Parts List

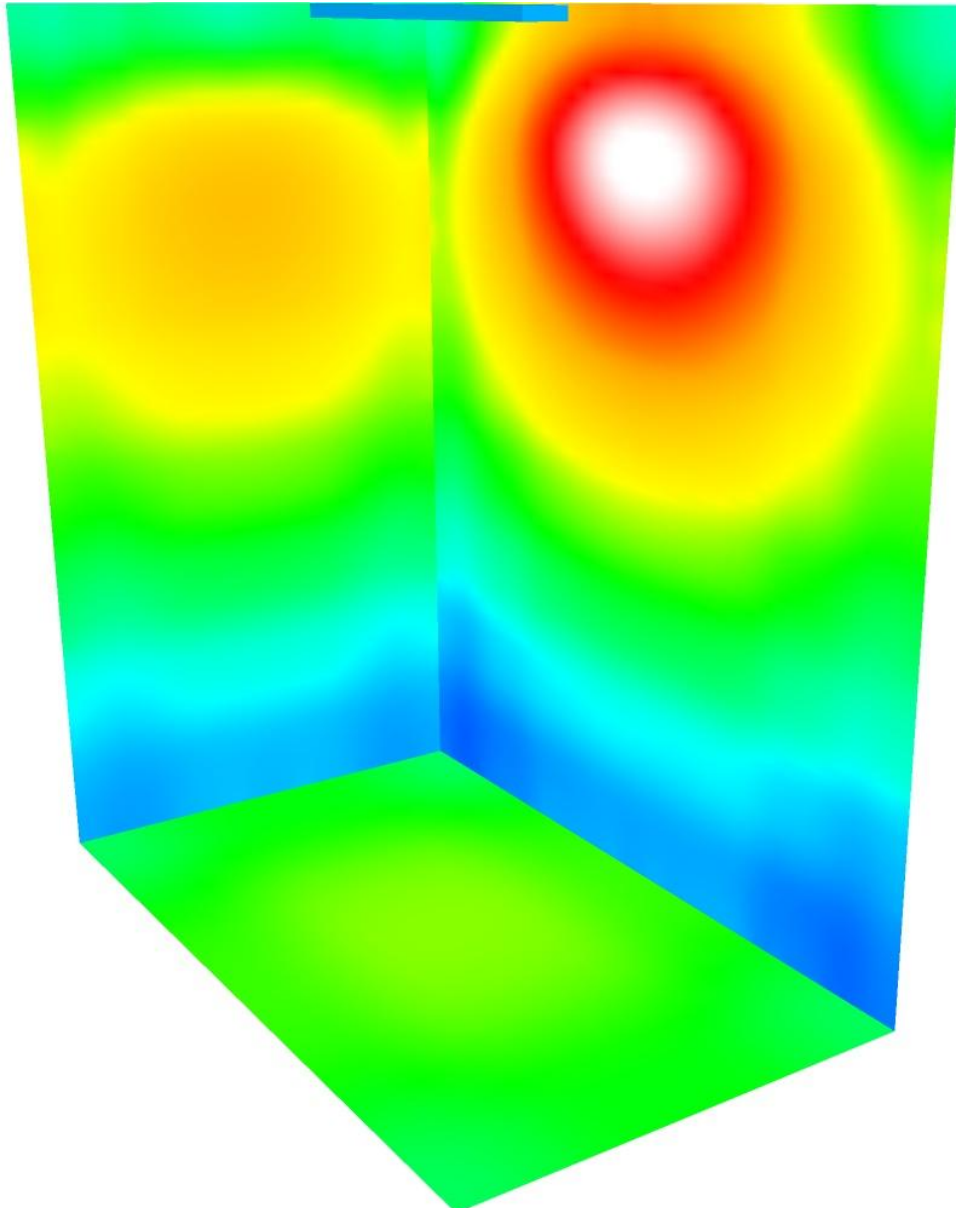
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	Glamox 16101305-01 i60-1200 LED 3600 830 OP (1.000)	3464	3465	26.0
Total:			3464	3465	26.0

Specific connected load: $6.80 \text{ W/m}^2 = 2.48 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 3.83 m^2)



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Telpe Nr.4 / False Colour Rendering



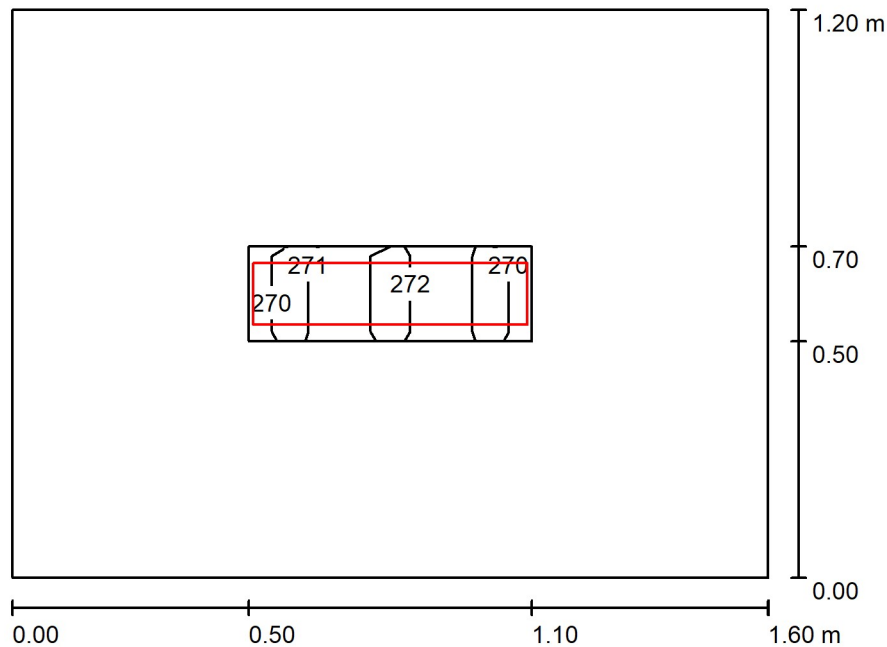
0 10 50 100 150 200 300 400 500

lx



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Telpe Nr.5 / Summary



Height of Room: 2.840 m, Mounting Height: 2.840 m, Maintenance factor: 0.80

Values in Lux, Scale 1:16

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	271	270	273	0.994
Floor	20	144	128	156	0.885
Ceiling	70	252	127	1818	0.505
Walls (4)	50	234	61	751	/

Workplane:

Height: 0.750 m
Grid: 4 x 2 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 1.062, Ceiling / Working Plane: 0.930.

Luminaire Parts List

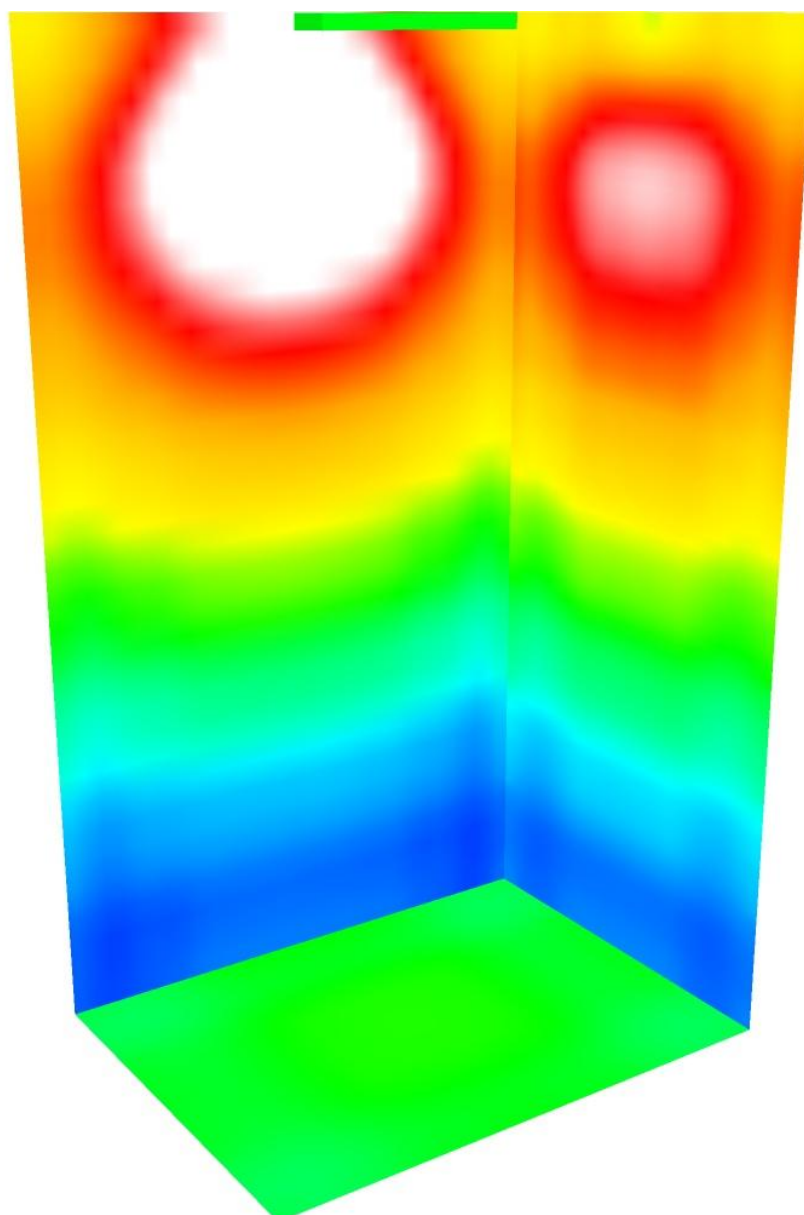
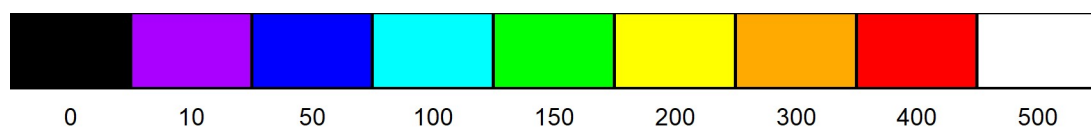
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	Glamox 20010805M-01 i60-600 LED 2900 830 OP (1.000)	2792	2793	23.0
Total:			2792	2793	23.0

Specific connected load: $11.98 \text{ W/m}^2 = 4.42 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 1.92 m^2)



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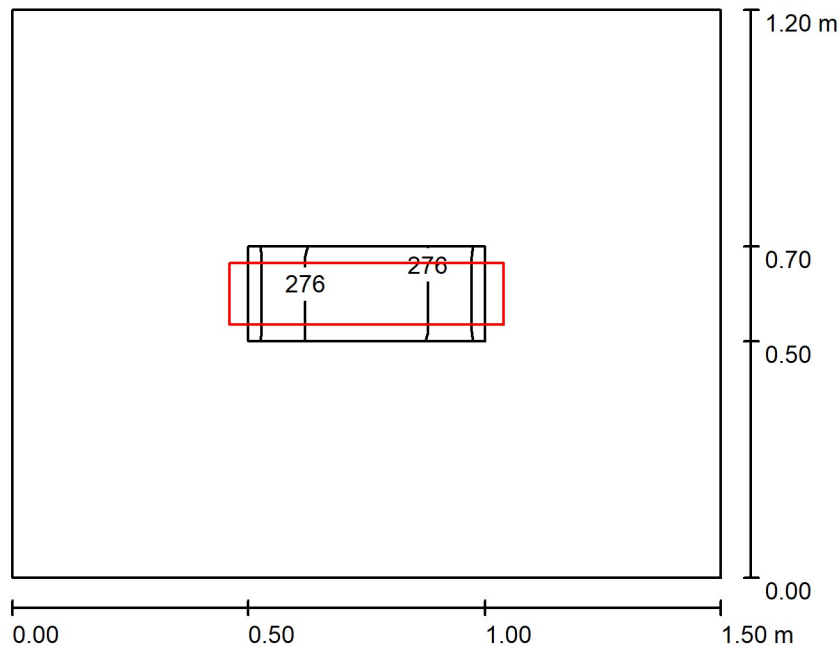
Telpe Nr.5 / False Colour Rendering





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Telpe Nr.6 / Summary



Height of Room: 2.840 m, Mounting Height: 2.840 m, Maintenance factor: 0.80

Values in Lux, Scale 1:16

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	276	275	277	0.996
Floor	20	146	132	157	0.906
Ceiling	70	272	147	1789	0.541
Walls (4)	50	245	61	768	/

Workplane:

Height: 0.750 m
Grid: 2 x 4 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 1.102, Ceiling / Working Plane: 0.985.

Luminaire Parts List

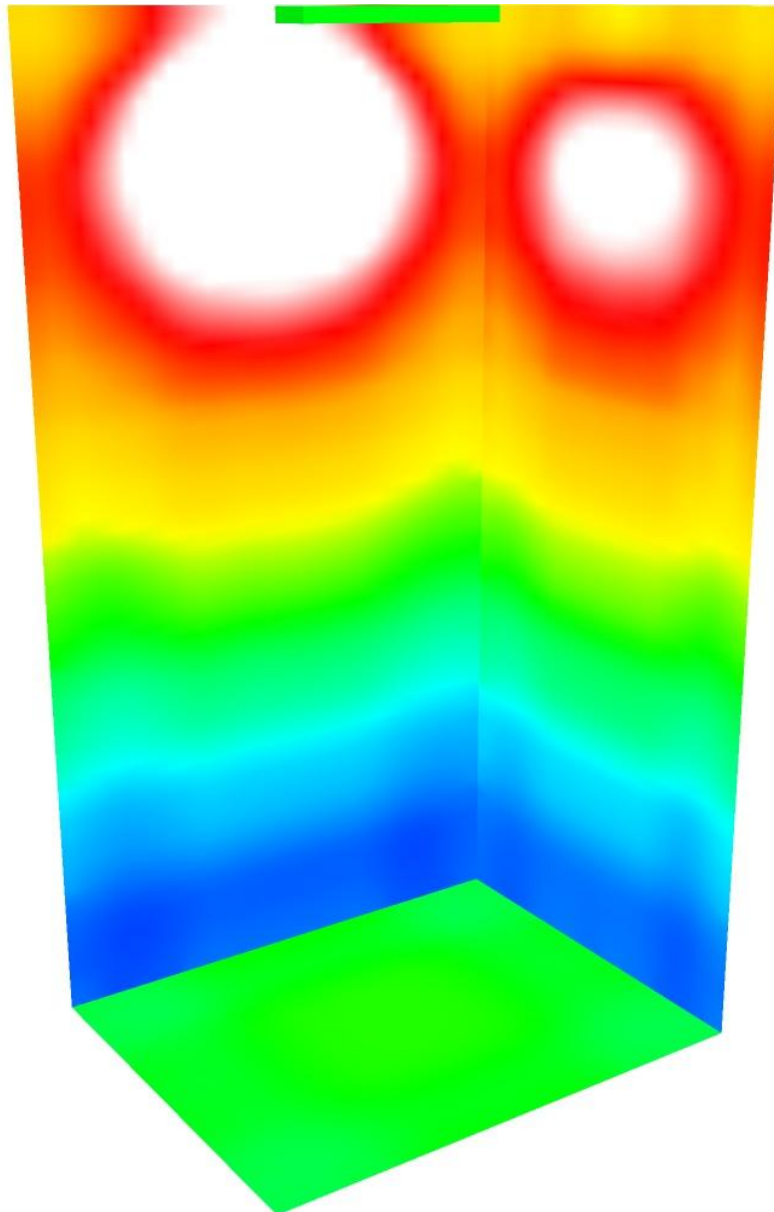
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	Glamox 20010805M-01 i60-600 LED 2900 830 OP (1.000)	2792	2793	23.0
Total:			2792	2793	23.0

Specific connected load: $12.78 \text{ W/m}^2 = 4.63 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 1.80 m^2)



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Telpe Nr.6 / False Colour Rendering



0 10 50 100 150 200 300 400 500

lx