

Materská škola, Trebišov



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

Date: 22.11.2021
Operator:

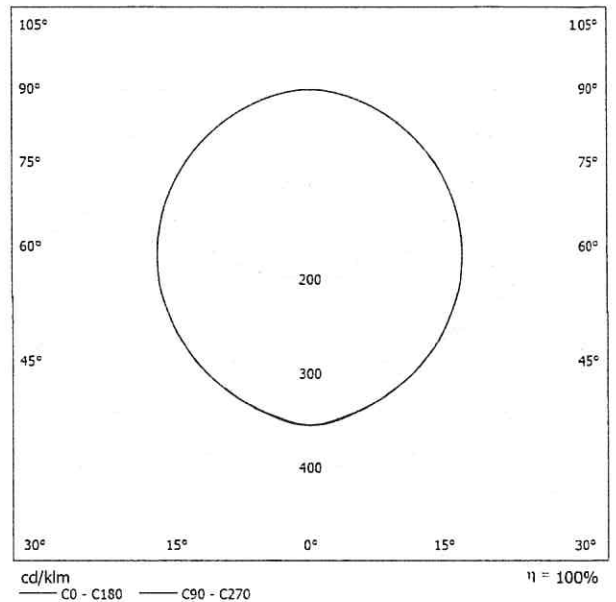


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OMS s.r.o. PLAST B 25W 2300lm 4000K 80Ra / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 46 78 95 100 100

Luminous emittance 1:

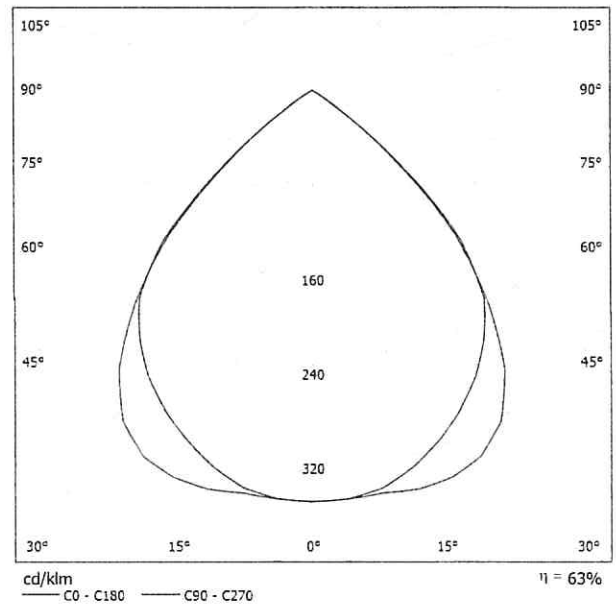
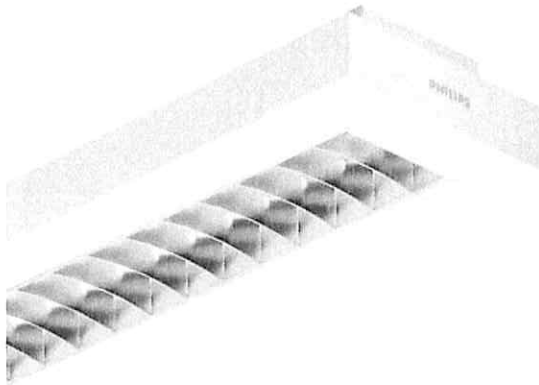
| Glare Evaluation According to UGR | | | | | | | | | | | | |
|------------------------------------------------------------------|-----|---------------------------------------------------|------|------|------|------|--------------------------------------------|------|------|------|------|--|
| p Ceiling | | 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 | 21.3 | 22.7 | 21.6 | 22.9 | 23.1 | 21.3 | 22.6 | 21.6 | 22.9 | 23.1 | |
| | 3H | 23.1 | 24.3 | 23.5 | 24.6 | 24.9 | 23.1 | 24.3 | 23.4 | 24.6 | 24.9 | |
| | 4H | 23.6 | 25.0 | 24.2 | 25.2 | 25.5 | 23.8 | 24.9 | 24.1 | 25.2 | 25.5 | |
| | 6H | 24.3 | 25.4 | 24.7 | 25.7 | 26.0 | 24.3 | 25.4 | 24.7 | 25.7 | 26.0 | |
| | 8H | 24.5 | 25.6 | 24.9 | 25.9 | 26.2 | 24.5 | 25.5 | 24.9 | 25.8 | 26.2 | |
| | 12H | 24.7 | 25.6 | 25.0 | 26.0 | 26.3 | 24.6 | 25.6 | 25.0 | 25.9 | 26.3 | |
| 4H | 2H | 21.9 | 23.0 | 22.2 | 23.3 | 23.6 | 21.9 | 23.0 | 22.2 | 23.3 | 23.6 | |
| | 3H | 23.9 | 24.9 | 24.3 | 25.2 | 25.6 | 23.9 | 24.9 | 24.3 | 25.2 | 25.6 | |
| | 4H | 24.6 | 25.6 | 25.2 | 26.0 | 26.4 | 24.7 | 25.6 | 25.1 | 26.0 | 26.3 | |
| | 6H | 25.4 | 26.2 | 25.9 | 26.6 | 27.0 | 25.4 | 26.2 | 25.8 | 26.5 | 26.9 | |
| | 8H | 25.7 | 26.4 | 26.1 | 26.8 | 27.2 | 25.6 | 26.3 | 26.1 | 26.7 | 27.2 | |
| | 12H | 25.9 | 26.5 | 26.3 | 26.9 | 27.4 | 25.8 | 26.5 | 26.3 | 26.9 | 27.3 | |
| 6H | 4H | 25.1 | 25.8 | 25.5 | 26.2 | 26.6 | 25.1 | 25.8 | 25.5 | 26.2 | 26.6 | |
| | 6H | 25.9 | 26.5 | 26.4 | 26.9 | 27.4 | 25.9 | 26.4 | 26.3 | 26.9 | 27.3 | |
| | 8H | 26.2 | 26.7 | 26.7 | 27.2 | 27.7 | 26.2 | 26.7 | 26.7 | 27.2 | 27.6 | |
| | 12H | 26.5 | 27.0 | 27.0 | 27.4 | 27.9 | 26.5 | 26.9 | 27.0 | 27.4 | 27.9 | |
| 12H | 4H | 25.1 | 25.8 | 25.6 | 26.2 | 26.6 | 25.1 | 25.7 | 25.5 | 26.1 | 26.6 | |
| | 6H | 26.0 | 26.5 | 26.5 | 26.9 | 27.4 | 25.9 | 26.5 | 26.4 | 26.9 | 27.4 | |
| | 8H | 26.4 | 26.8 | 26.9 | 27.3 | 27.8 | 26.3 | 26.8 | 26.8 | 27.2 | 27.7 | |
| 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 | | +0.4 / -0.6 | | | | | +0.4 / -0.6 | | | | | |
| Standard table | | BK06 | | | | | BK06 | | | | | |
| Correction | | 6.2 | | | | | 6.1 | | | | | |
| Summand | | | | | | | | | | | | |
| Corrected Glare Indices referring to 2300lm Total Luminous Flux | | | | | | | | | | | | |



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PHILIPS TCS260 2xTL5-49W HFP D6_865 / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 75 100 100 100 63

Luminous emittance 1:

| 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 | 10.7 | 11.7 | 11.0 | 11.9 | 12.1 | 8.1 | 9.1 | 8.4 | 9.3 | 9.5 |
| | 3H | 10.6 | 11.4 | 10.9 | 11.7 | 11.9 | 8.0 | 8.9 | 8.3 | 9.1 | 9.3 |
| | 4H | 10.5 | 11.3 | 10.9 | 11.6 | 11.8 | 7.9 | 8.7 | 8.3 | 9.0 | 9.2 |
| | 6H | 10.5 | 11.2 | 10.8 | 11.5 | 11.8 | 7.9 | 8.6 | 8.2 | 8.9 | 9.2 |
| | 8H | 10.4 | 11.1 | 10.8 | 11.4 | 11.7 | 7.8 | 8.5 | 8.2 | 8.8 | 9.1 |
| | 12H | 10.4 | 11.0 | 10.8 | 11.3 | 11.7 | 7.6 | 8.4 | 8.2 | 8.7 | 9.1 |
| 4H | 2H | 10.5 | 11.3 | 10.9 | 11.6 | 11.8 | 7.9 | 8.7 | 8.3 | 9.0 | 9.2 |
| | 3H | 10.4 | 11.0 | 10.8 | 11.4 | 11.7 | 7.8 | 8.5 | 8.2 | 8.8 | 9.1 |
| | 4H | 10.4 | 10.9 | 10.7 | 11.2 | 11.6 | 7.8 | 8.3 | 8.1 | 8.6 | 9.0 |
| | 6H | 10.3 | 10.7 | 10.7 | 11.1 | 11.5 | 7.7 | 8.2 | 8.1 | 8.5 | 8.9 |
| | 8H | 10.2 | 10.7 | 10.7 | 11.0 | 11.5 | 7.7 | 8.1 | 8.1 | 8.5 | 8.9 |
| | 12H | 10.2 | 10.6 | 10.6 | 11.0 | 11.4 | 7.6 | 8.0 | 8.1 | 8.4 | 8.8 |
| 8H | 4H | 10.2 | 10.7 | 10.7 | 11.0 | 11.5 | 7.7 | 8.1 | 8.1 | 8.5 | 8.9 |
| | 6H | 10.2 | 10.5 | 10.6 | 10.9 | 11.4 | 7.6 | 7.9 | 8.0 | 8.3 | 8.8 |
| | 8H | 10.1 | 10.4 | 10.6 | 10.8 | 11.3 | 7.5 | 7.6 | 8.0 | 8.3 | 8.7 |
| | 12H | 10.1 | 10.3 | 10.5 | 10.8 | 11.3 | 7.5 | 7.7 | 8.0 | 8.2 | 8.7 |
| 12H | 4H | 10.2 | 10.6 | 10.6 | 11.0 | 11.4 | 7.6 | 8.0 | 8.0 | 8.4 | 8.8 |
| | 6H | 10.1 | 10.4 | 10.6 | 10.8 | 11.3 | 7.5 | 7.8 | 8.0 | 8.3 | 8.7 |
| | 8H | 10.1 | 10.3 | 10.5 | 10.8 | 11.3 | 7.5 | 7.7 | 8.0 | 8.2 | 8.7 |
| | 12H | 10.1 | 10.3 | 10.5 | 10.8 | 11.3 | 7.5 | 7.7 | 8.0 | 8.2 | 8.7 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | | +1.9 / -6.2 | | | | | +2.3 / -7.6 | | | | |
| S = 1.5H | | +3.6 / -19.0 | | | | | +3.7 / -22.0 | | | | |
| S = 2.0H | | +5.6 / -23.9 | | | | | +5.6 / -25.4 | | | | |
| Standard table | | BK00 | | | | | BK00 | | | | |
| Correction | | -8.5 | | | | | -8.5 | | | | |
| Summand | | | | | | | | | | | |
| Corrected Glare Index referring to 8150lm Total Luminous Flux | | | | | | | | | | | |

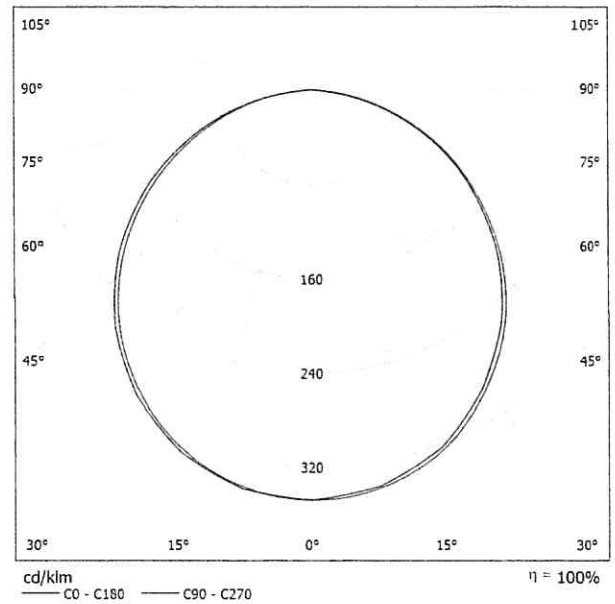


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Emos ZR1512 LED panel / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.

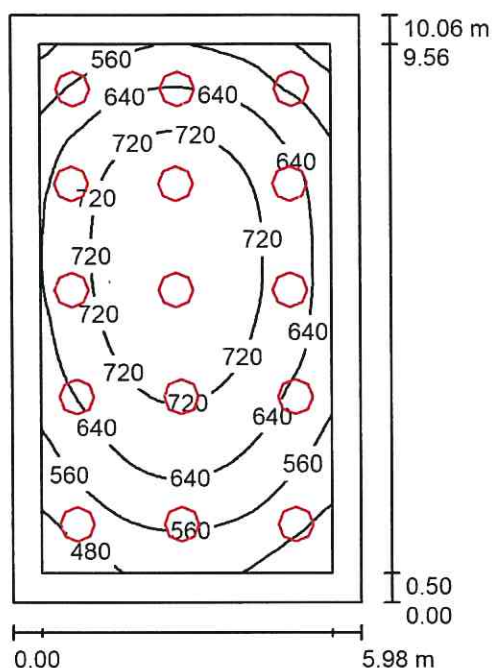


Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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1.03, 1.09 Herňa / Summary



Height of Room: 3.800 m, Mounting Height: 3.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:130

| Surface | ρ [%] | E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | $u0$ |
|-----------|------------|---------------|----------------|----------------|-------|
| Workplane | / | 646 | 405 | 791 | 0.626 |
| Floor | 20 | 533 | 323 | 688 | 0.605 |
| Ceiling | 70 | 149 | 115 | 172 | 0.770 |
| Walls (4) | 50 | 355 | 124 | 586 | / |

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.575, Ceiling / Working Plane: 0.230.

Luminaire Parts List

| No. | Pieces | Designation (Correction Factor) | Φ (Luminaire) [lm] | Φ (Lamps) [lm] | P [W] |
|--------|--------|---------------------------------|-------------------------|---------------------|-------|
| 1 | 15 | Emos ZR1512 LED panel (1.000) | 4186 | 4186 | 42.3 |
| Total: | | | 62789 | 62790 | 634.5 |

Specific connected load: $10.55 \text{ W/m}^2 = 1.63 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 60.16 m^2)

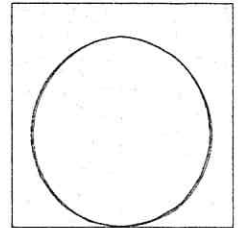


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1.03, 1.09 Herňa / Luminaire parts list

15 Pieces Emos ZR1512 LED panel
Article No.: ZR1512
Luminous flux (Luminaire): 4186 lm
Luminous flux (Lamps): 4186 lm
Luminaire Wattage: 42.3 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.





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1.03, 1.09 Herňa / Photometric Results

Total Luminous Flux: 62789 lm
Total Load: 634.5 W
Maintenance factor: 0.80
Boundary Zone: 0.500 m

| Surface | Average illuminances [lx] | | | Reflection factor [%] | Average luminance [cd/m²] |
|-----------|---------------------------|----------|-------|-----------------------|---------------------------|
| | direct | indirect | total | | |
| Workplane | 500 | 146 | 646 | / | / |
| Floor | 387 | 147 | 533 | 20 | 34 |
| Ceiling | 0.00 | 149 | 149 | 70 | 33 |
| Wall 1 | 194 | 130 | 324 | 50 | 52 |
| Wall 2 | 227 | 134 | 361 | 50 | 58 |
| Wall 3 | 214 | 136 | 350 | 50 | 56 |
| Wall 4 | 236 | 134 | 370 | 50 | 59 |

Uniformity on the working plane

u0: 0.626 (1:2)

E_{min} / E_{max}: 0.511 (1:2)

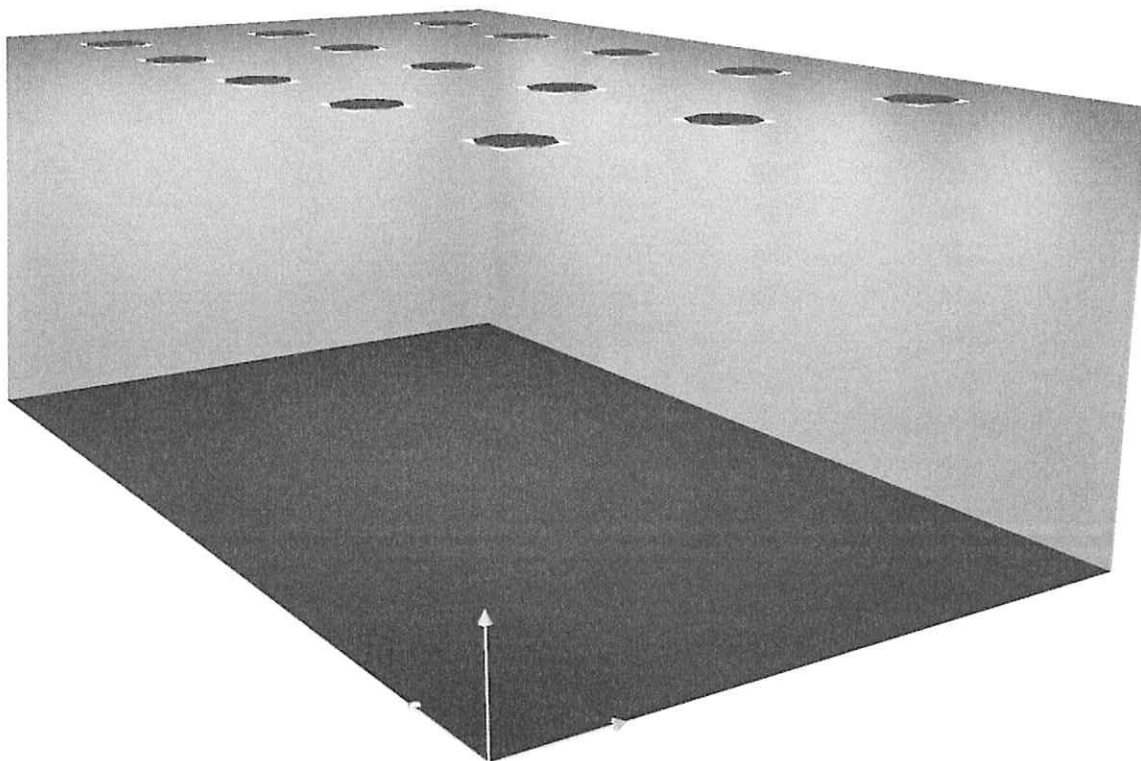
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.575, Ceiling / Working Plane: 0.230.

Specific connected load: $10.55 \text{ W/m}^2 = 1.63 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 60.16 m^2)



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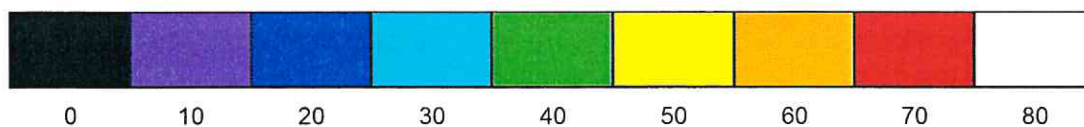
1.03, 1.09 Herňa / 3D Rendering





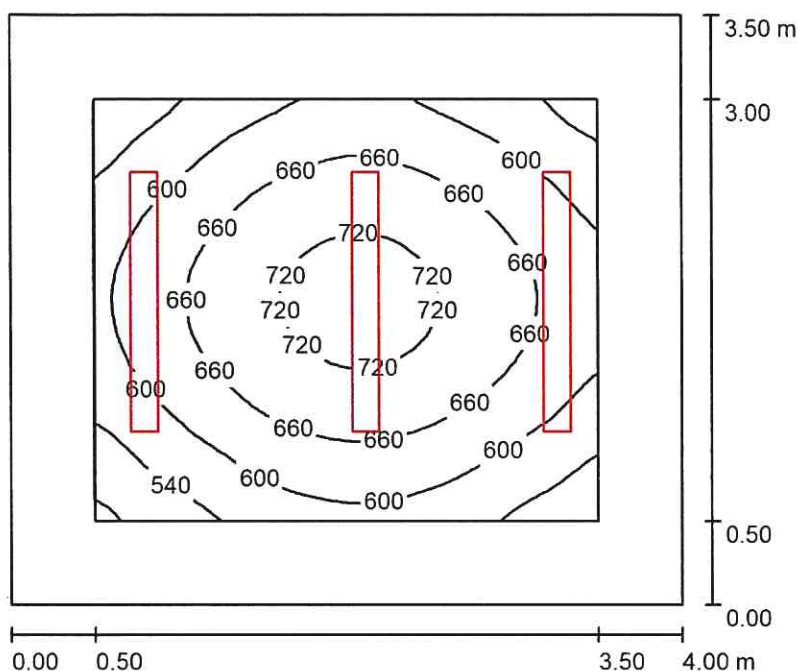
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1.03, 1.09 Herňa / False Colour Rendering



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1.06 Kuchyňa / Summary



Height of Room: 3.800 m, Mounting Height: 3.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:45

| Surface | ρ [%] | E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | $u0$ |
|-----------|------------|---------------|----------------|----------------|-------|
| Workplane | / | 634 | 473 | 744 | 0.745 |
| Floor | 20 | 455 | 329 | 547 | 0.723 |
| Ceiling | 70 | 100 | 67 | 120 | 0.668 |
| Walls (4) | 50 | 237 | 73 | 635 | / |

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.375, Ceiling / Working Plane: 0.158.

Luminaire Parts List

| No. | Pieces | Designation (Correction Factor) | Φ (Luminaire) [lm] | Φ (Lamps) [lm] | P [W] |
|--------|--------|------------------------------------------------|-------------------------|---------------------|-------|
| 1 | 3 | PHILIPS TCS260 2xTL5-49W HFP D6_865 (1.000) | 5134 | 8150 | 108.0 |
| Total: | | | 15403 | 24450 | 324.0 |

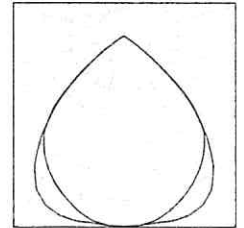
Specific connected load: $23.14 \text{ W/m}^2 = 3.65 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 14.00 m^2)



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1.06 Kuchyňa / Luminaire parts list

3 Pieces PHILIPS TCS260 2xTL5-49W HFP D6_865
Article No.:
Luminous flux (Luminaire): 5134 lm
Luminous flux (Lamps): 8150 lm
Luminaire Wattage: 108.0 W
Luminaire classification according to CIE: 100
CIE flux code: 75 100 100 100 63
Fitting: 2 x TL5-49W/865 (Correction Factor
1.000).



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1.06 Kuchyňa / Photometric Results

Total Luminous Flux: 15403 lm
Total Load: 324.0 W
Maintenance factor: 0.80
Boundary Zone: 0.500 m

| Surface | Average illuminances [lx] | | | Reflection factor [%] | Average luminance [cd/m²] |
|-----------|---------------------------|----------|-------|-----------------------|---------------------------|
| | direct | indirect | total | | |
| Workplane | 519 | 116 | 634 | / | / |
| Floor | 338 | 117 | 455 | 20 | 29 |
| Ceiling | 0.00 | 100 | 100 | 70 | 22 |
| Wall 1 | 116 | 105 | 220 | 50 | 35 |
| Wall 2 | 153 | 103 | 256 | 50 | 41 |
| Wall 3 | 125 | 106 | 231 | 50 | 37 |
| Wall 4 | 141 | 104 | 244 | 50 | 39 |

Uniformity on the working plane

u0: 0.745 (1:1)

E_{min} / E_{max}: 0.635 (1:2)

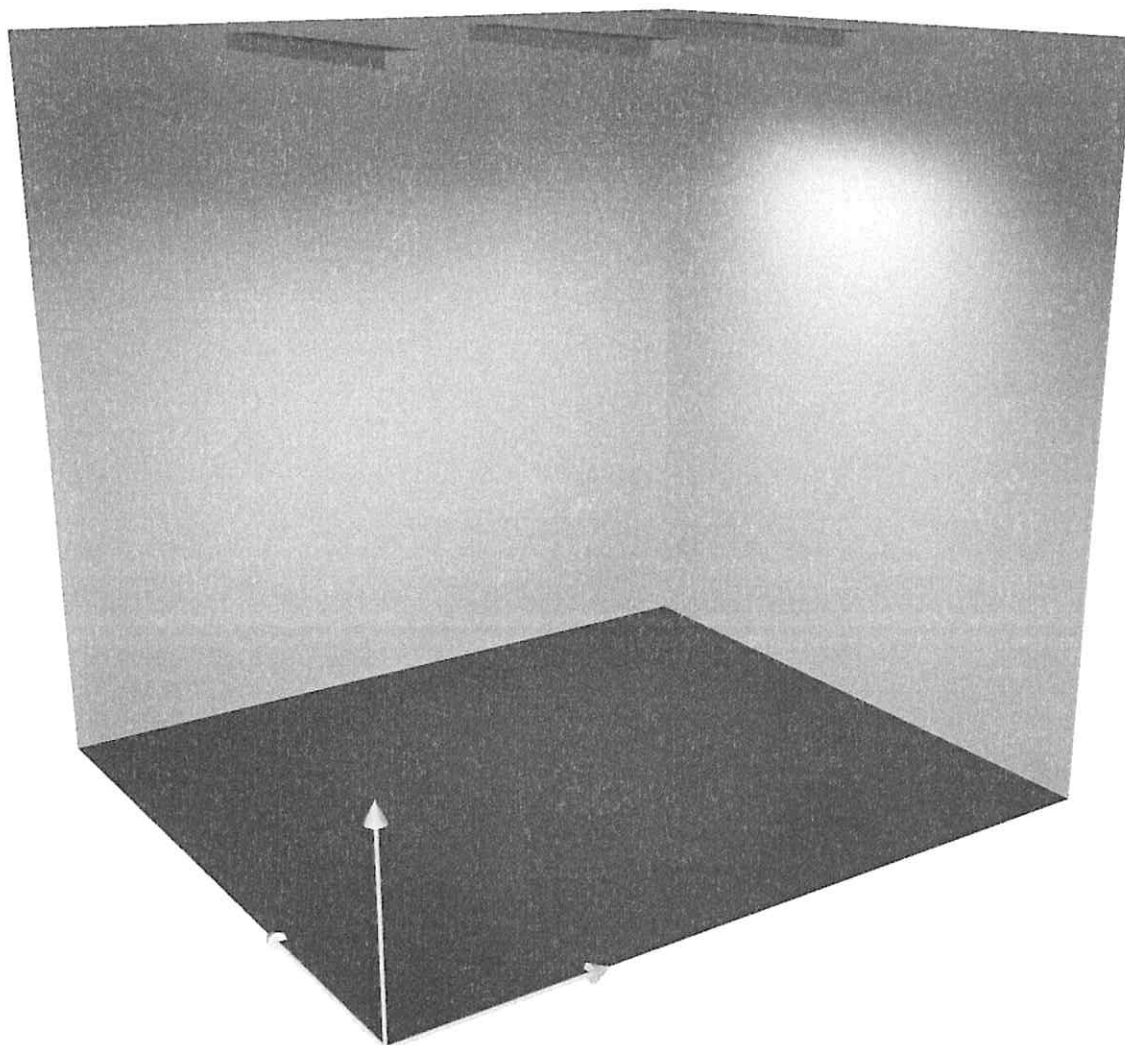
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.375, Ceiling / Working Plane: 0.158.

Specific connected load: $23.14 \text{ W/m}^2 = 3.65 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 14.00 m^2)



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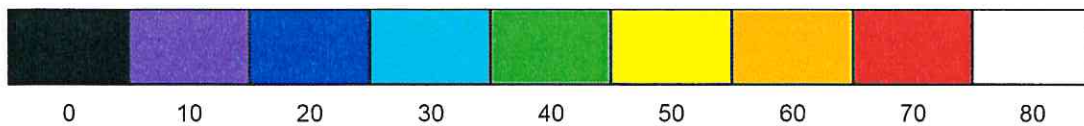
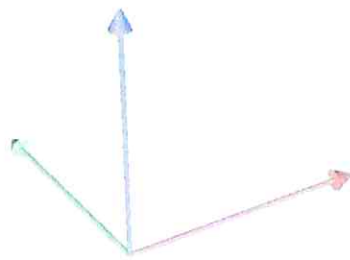
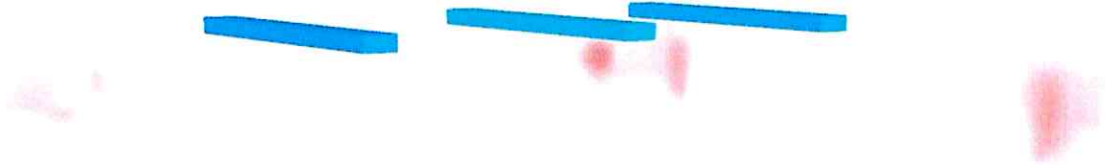
1.06 Kuchyňa / 3D Rendering





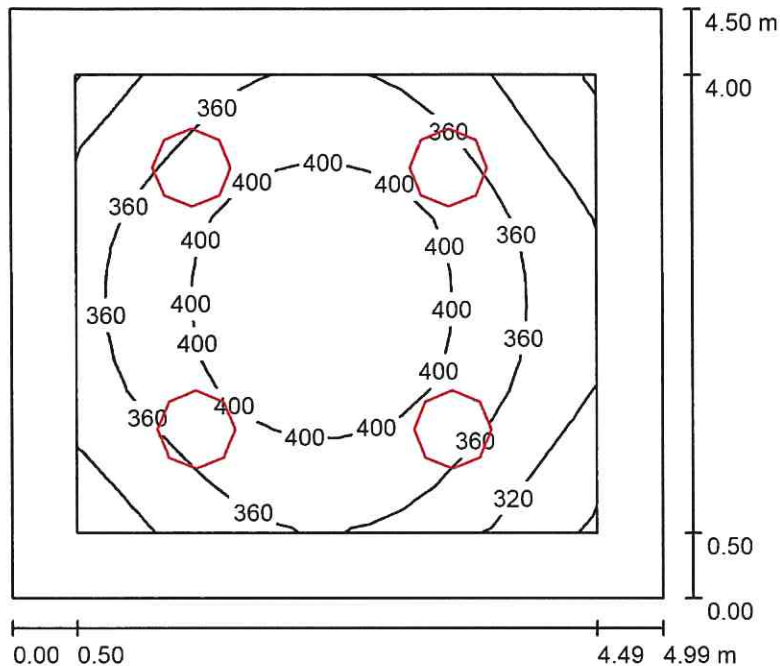
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1.06 Kuchyňa / False Colour Rendering



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1.07, 1.08 Jedáleň / Summary



Height of Room: 3.800 m, Mounting Height: 3.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:58

| Surface | ρ [%] | E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | u_0 |
|-----------|------------|---------------|----------------|----------------|-------|
| Workplane | / | 371 | 278 | 434 | 0.749 |
| Floor | 20 | 279 | 197 | 343 | 0.708 |
| Ceiling | 70 | 95 | 63 | 111 | 0.666 |
| Walls (4) | 50 | 213 | 77 | 378 | / |

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.617, Ceiling / Working Plane: 0.255.

Luminaire Parts List

| No. | Pieces | Designation (Correction Factor) | Φ (Luminaire) [lm] | Φ (Lamps) [lm] | P [W] |
|--------|--------|---------------------------------|-------------------------|---------------------|-------|
| 1 | 4 | Emos ZR1512 LED panel (1.000) | 4186 | 4186 | 42.3 |
| Total: | | | 16744 | 16744 | 169.2 |

Specific connected load: $7.54 \text{ W/m}^2 = 2.03 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 22.45 m^2)

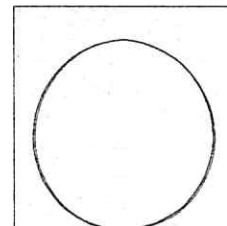


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1.07, 1.08 Jedáleň / Luminaire parts list

4 Pieces Emos ZR1512 LED panel
Article No.: ZR1512
Luminous flux (Luminaire): 4186 lm
Luminous flux (Lamps): 4186 lm
Luminaire Wattage: 42.3 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.





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1.07, 1.08 Jedáleň / Photometric Results

Total Luminous Flux: 16744 lm
Total Load: 169.2 W
Maintenance factor: 0.80
Boundary Zone: 0.500 m

| Surface | Average illuminances [lx] | | | Reflection factor [%] | Average luminance [cd/m²] |
|-----------|---------------------------|----------|-------|-----------------------|---------------------------|
| | direct | indirect | total | | |
| Workplane | 271 | 100 | 371 | / | / |
| Floor | 186 | 93 | 279 | 20 | 18 |
| Ceiling | 0.00 | 95 | 95 | 70 | 21 |
| Wall 1 | 133 | 85 | 218 | 50 | 35 |
| Wall 2 | 116 | 85 | 201 | 50 | 32 |
| Wall 3 | 134 | 85 | 219 | 50 | 35 |
| Wall 4 | 128 | 86 | 214 | 50 | 34 |

Uniformity on the working plane

u0: 0.749 (1:1)

E_{min} / E_{max}: 0.640 (1:2)

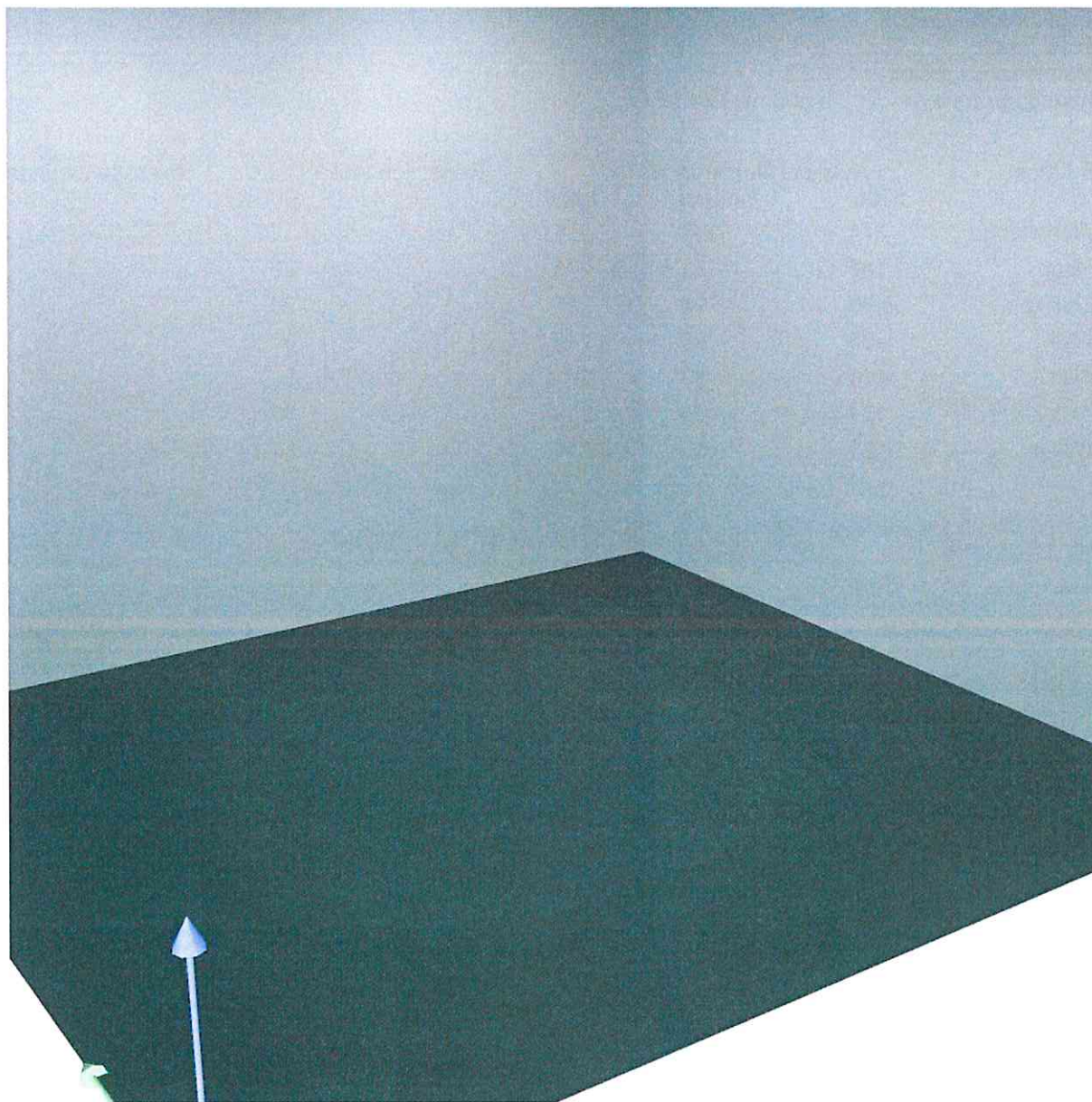
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.617, Ceiling / Working Plane: 0.255.

Specific connected load: 7.54 W/m² = 2.03 W/m²/100 lx (Ground area: 22.45 m²)



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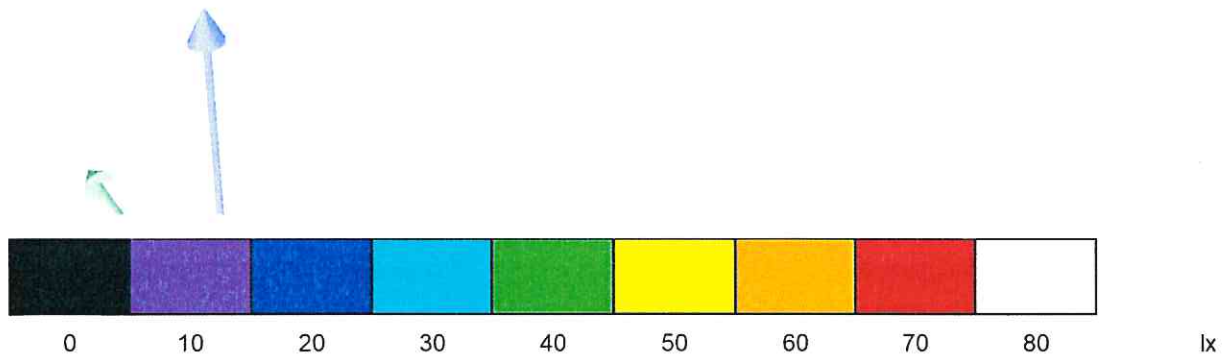
1.07, 1.08 Jedáleň / 3D Rendering





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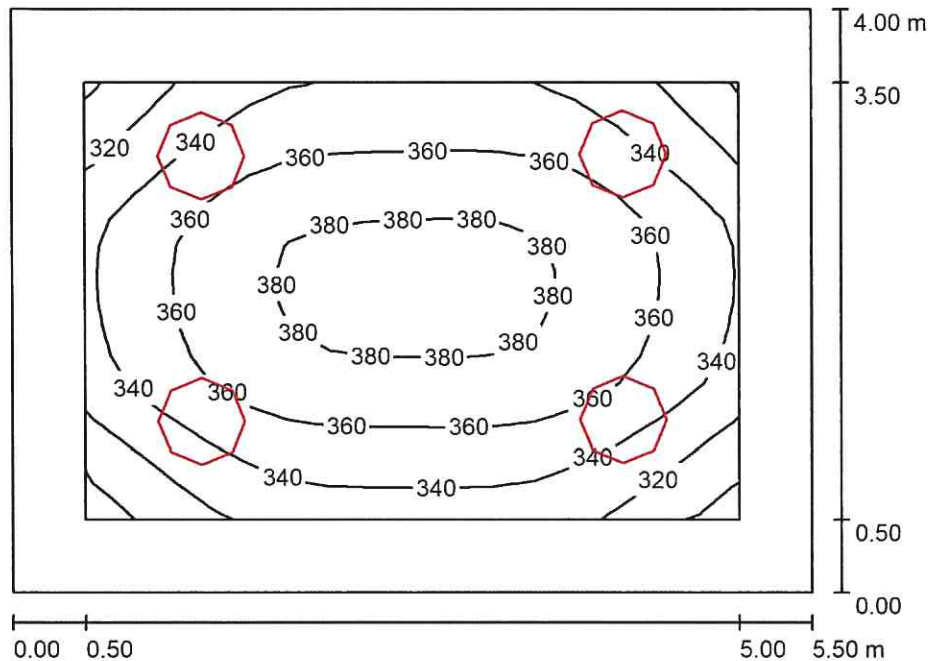
1.07, 1.08 Jedáleň / False Colour Rendering





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1.01 Chodba / Summary



Height of Room: 3.800 m, Mounting Height: 3.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:52

| Surface | ρ [%] | E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | u_0 |
|-----------|------------|---------------|----------------|----------------|-------|
| Workplane | / | 353 | 291 | 386 | 0.824 |
| Floor | 20 | 271 | 201 | 318 | 0.742 |
| Ceiling | 70 | 99 | 68 | 117 | 0.689 |
| Walls (4) | 50 | 221 | 86 | 471 | / |

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.680, Ceiling / Working Plane: 0.281.

Luminaire Parts List

| No. | Pieces | Designation (Correction Factor) | Φ (Luminaire) [lm] | Φ (Lamps) [lm] | P [W] |
|--------|--------|---------------------------------|-------------------------|---------------------|-------|
| 1 | 4 | Emos ZR1512 LED panel (1.000) | 4186 | 4186 | 42.3 |
| Total: | | | 16744 | 16744 | 169.2 |

Specific connected load: $7.69 \text{ W/m}^2 = 2.18 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 22.00 m^2)

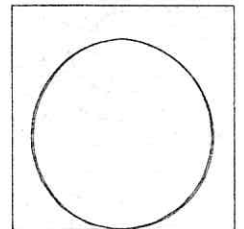


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1.01 Chodba / Luminaire parts list

4 Pieces Emos ZR1512 LED panel
Article No.: ZR1512
Luminous flux (Luminaire): 4186 lm
Luminous flux (Lamps): 4186 lm
Luminaire Wattage: 42.3 W
Luminaire classification according to CIE: 100
CIE flux code: 47 79 96 100 100
Fitting: 1 x LED (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.





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1.01 Chodba / Photometric Results

Total Luminous Flux: 16744 lm
Total Load: 169.2 W
Maintenance factor: 0.80
Boundary Zone: 0.500 m

| Surface | Average illuminances [lx] | | | Reflection factor [%] | Average luminance [cd/m²] |
|-----------|---------------------------|----------|-------|-----------------------|---------------------------|
| | direct | indirect | total | | |
| Workplane | 250 | 103 | 353 | / | / |
| Floor | 176 | 94 | 271 | 20 | 17 |
| Ceiling | 0.00 | 99 | 99 | 70 | 22 |
| Wall 1 | 128 | 88 | 217 | 50 | 35 |
| Wall 2 | 132 | 91 | 223 | 50 | 36 |
| Wall 3 | 136 | 88 | 225 | 50 | 36 |
| Wall 4 | 130 | 89 | 219 | 50 | 35 |

Uniformity on the working plane

u0: 0.824 (1:1)

E_{\min} / E_{\max} : 0.755 (1:1)

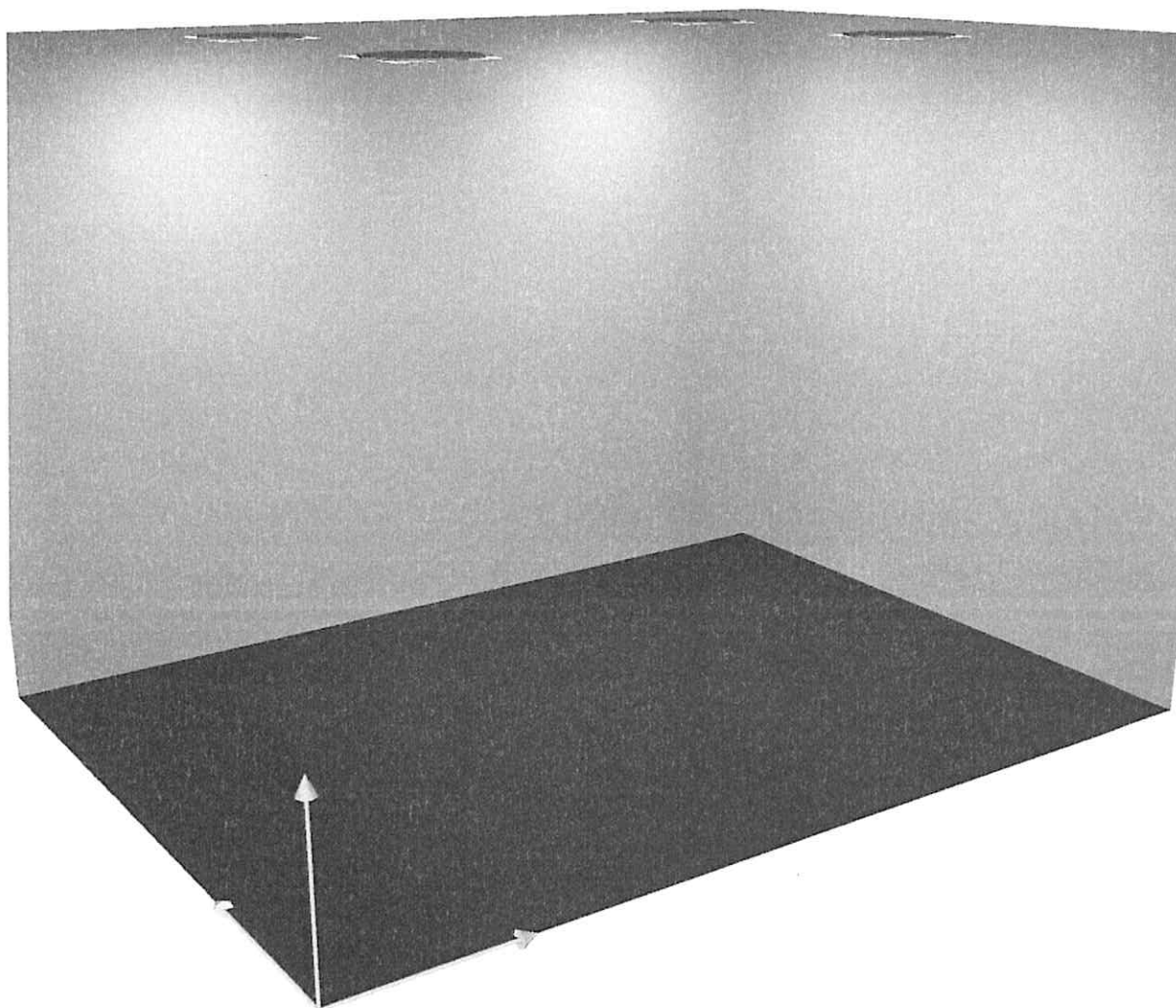
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.680, Ceiling / Working Plane: 0.281.

Specific connected load: $7.69 \text{ W/m}^2 = 2.18 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 22.00 m^2)



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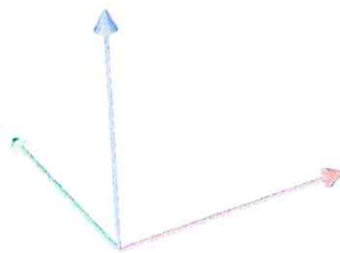
1.01 Chodba / 3D Rendering





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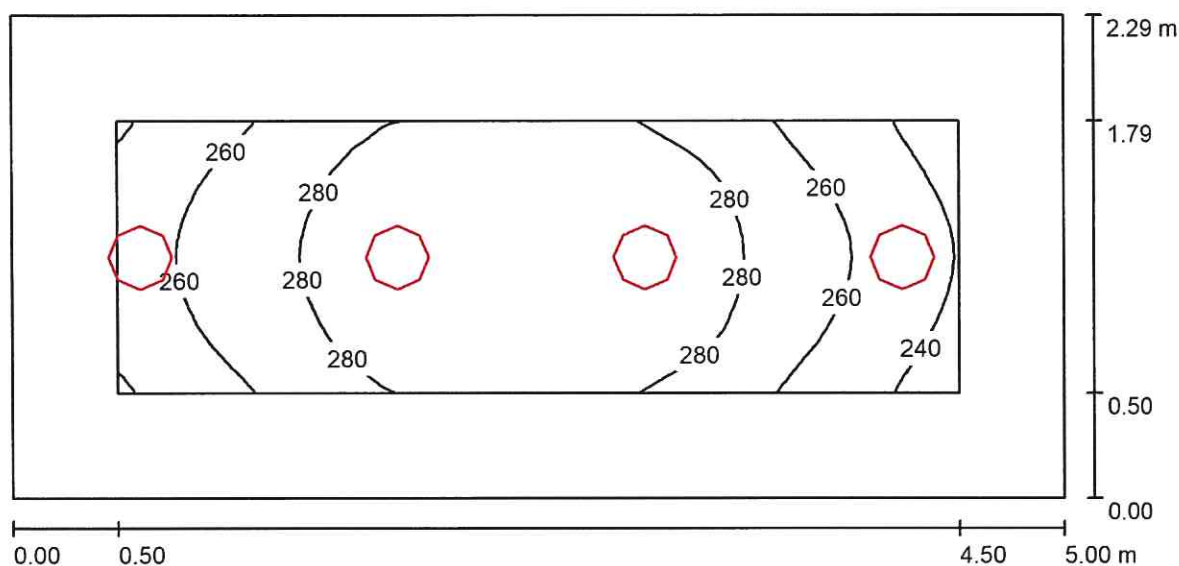
1.01 Chodba / False Colour Rendering



0 10 20 30 40 50 60 70 80 lx

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1.02 WC / Summary



Height of Room: 3.800 m, Mounting Height: 3.800 m, Maintenance factor: 0.80

Values in Lux, Scale 1:36

| Surface | ρ [%] | E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | u_0 |
|-----------|------------|---------------|----------------|----------------|-------|
| Workplane | / | 274 | 229 | 299 | 0.837 |
| Floor | 20 | 195 | 151 | 227 | 0.776 |
| Ceiling | 70 | 97 | 73 | 159 | 0.753 |
| Walls (4) | 50 | 189 | 83 | 620 | / |

Workplane:

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

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.772, Ceiling / Working Plane: 0.353.

Luminaire Parts List

| No. | Pieces | Designation (Correction Factor) | Φ (Luminaire) [lm] | Φ (Lamps) [lm] | P [W] |
|--------|--------|-----------------------------------------------------|-------------------------|---------------------|-------|
| 1 | 4 | OMS s.r.o. PLAST B 25W 2300lm 4000K 80Ra (1.000) | 2300 | 2300 | 25.0 |
| Total: | | | 9200 | 9200 | 100.0 |

Specific connected load: $8.73 \text{ W/m}^2 = 3.19 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 11.45 m^2)

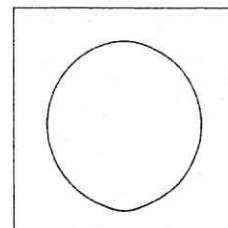


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1.02 WC / Luminaire parts list

4 Pieces OMS s.r.o. PLAST B 25W 2300lm 4000K 80Ra
Article No.:
Luminous flux (Luminaire): 2300 lm
Luminous flux (Lamps): 2300 lm
Luminaire Wattage: 25.0 W
Luminaire classification according to CIE: 100
CIE flux code: 46 78 95 100 100
Fitting: 1 x LED (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.





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1.02 WC / Photometric Results

Total Luminous Flux: 9200 lm
Total Load: 100.0 W
Maintenance factor: 0.80
Boundary Zone: 0.500 m

| Surface | Average illuminances [lx] | | | Reflection factor [%] | Average luminance [cd/m²] |
|-----------|---------------------------|----------|-------|-----------------------|---------------------------|
| | direct | indirect | total | | |
| Workplane | 180 | 94 | 274 | / | / |
| Floor | 119 | 76 | 195 | 20 | 12 |
| Ceiling | 0.51 | 96 | 97 | 70 | 22 |
| Wall 1 | 106 | 81 | 187 | 50 | 30 |
| Wall 2 | 108 | 79 | 186 | 50 | 30 |
| Wall 3 | 106 | 81 | 187 | 50 | 30 |
| Wall 4 | 120 | 79 | 199 | 50 | 32 |

Uniformity on the working plane

u0: 0.837 (1:1)

E_{min} / E_{max}: 0.765 (1:1)

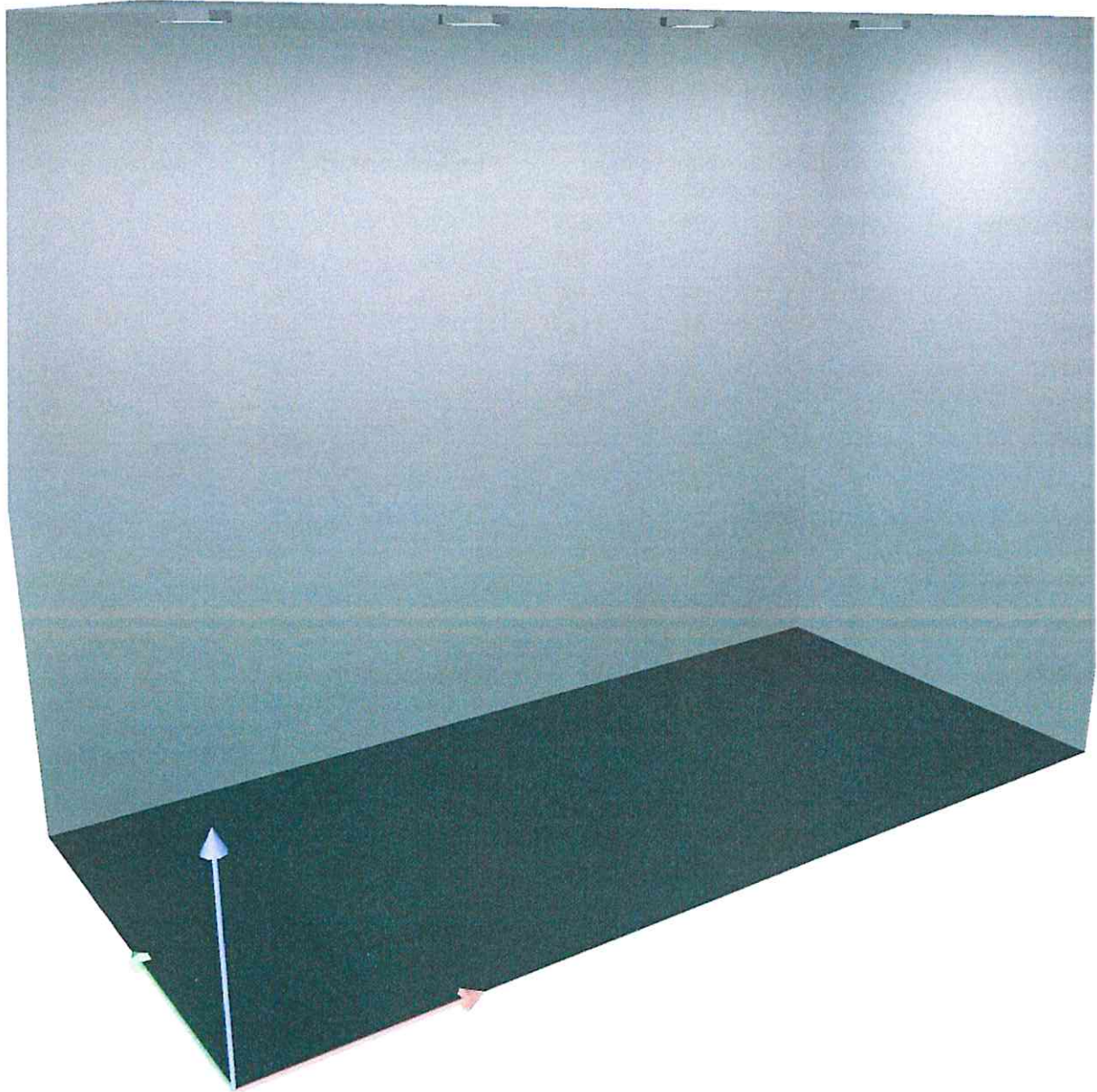
Illuminance Quotient (according to LG7): Walls / Working Plane: 0.772, Ceiling / Working Plane: 0.353.

Specific connected load: $8.73 \text{ W/m}^2 = 3.19 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 11.45 m^2)



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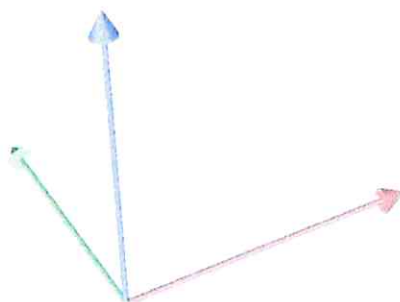
1.02 WC / 3D Rendering





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1.02 WC / False Colour Rendering



0 10 20 30 40 50 60 70 80 lx

