

Installation :

Project number : Gainety Szkoła Czchów

Customer :

Processed by :

Date : 04.12.2025

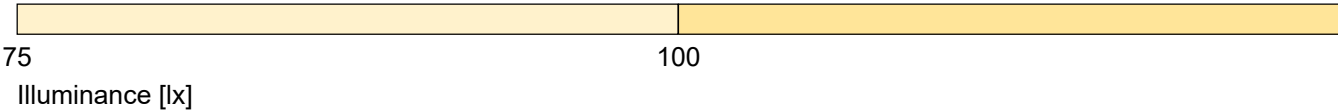
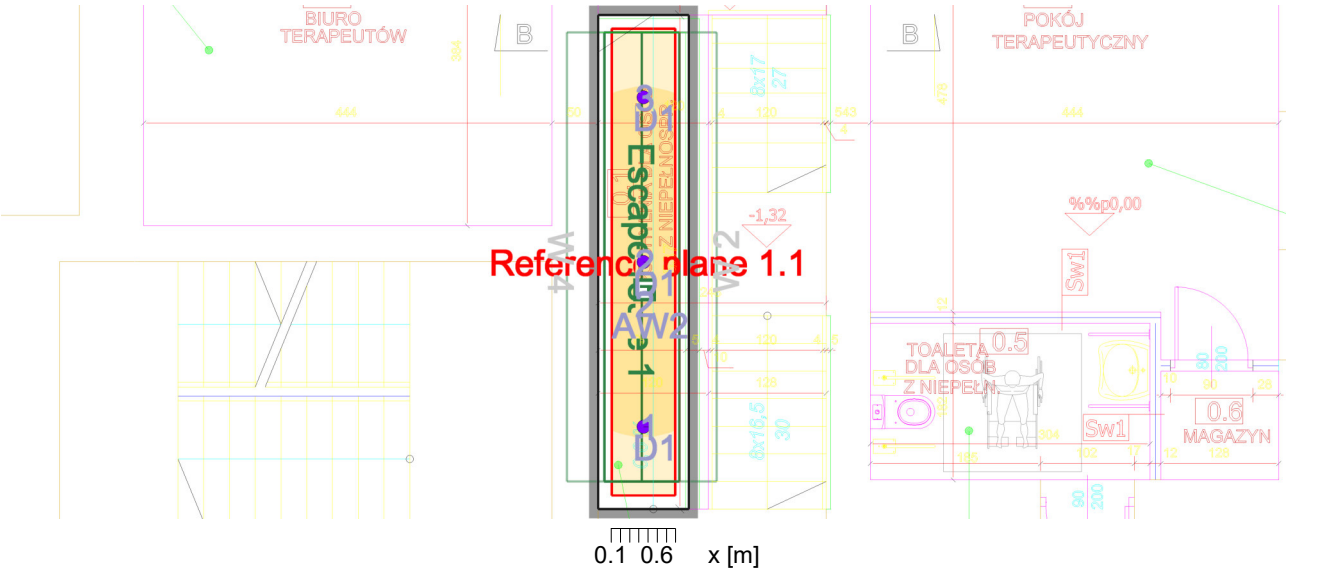
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

1 01 pochylnia

1.1 Summary, 01 pochylnia

1.1.1 Result overview, Evaluation area 1

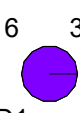


General

| | |
|--------------------------------|-------------------------------|
| Calculation algorithm used | Average indirect fraction |
| Height of luminaire plane | 6.90 m |
| Maintenance factor | 0.80 |
| Total lamp luminous flux | 9660.00 lm |
| Luminaire luminous flux | 6143.98 lm |
| Total power | 67.5 W |
| Total power per area (5.30 m²) | 12.74 W/m² (11.74 W/m²/100lx) |

| Evaluation area 1 | Reference plane 1.1 | |
|---------------------------|---------------------|-------------|
| | Horizontal | cylindrical |
| \bar{E}_m | 108 lx | 20 lx |
| E_{min} | 87 lx | 19 lx |
| $E_{min}/\bar{E}_m (U_o)$ | 0.81 | 0.94 |
| $E_{min}/E_{max} (U_d)$ | 0.71 | |
| E_z/E_h | | 0.17 |
| Position | 0.00 m | 0.35 m |

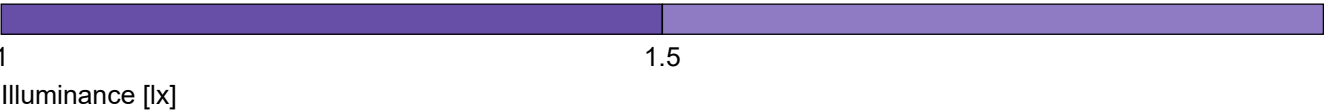
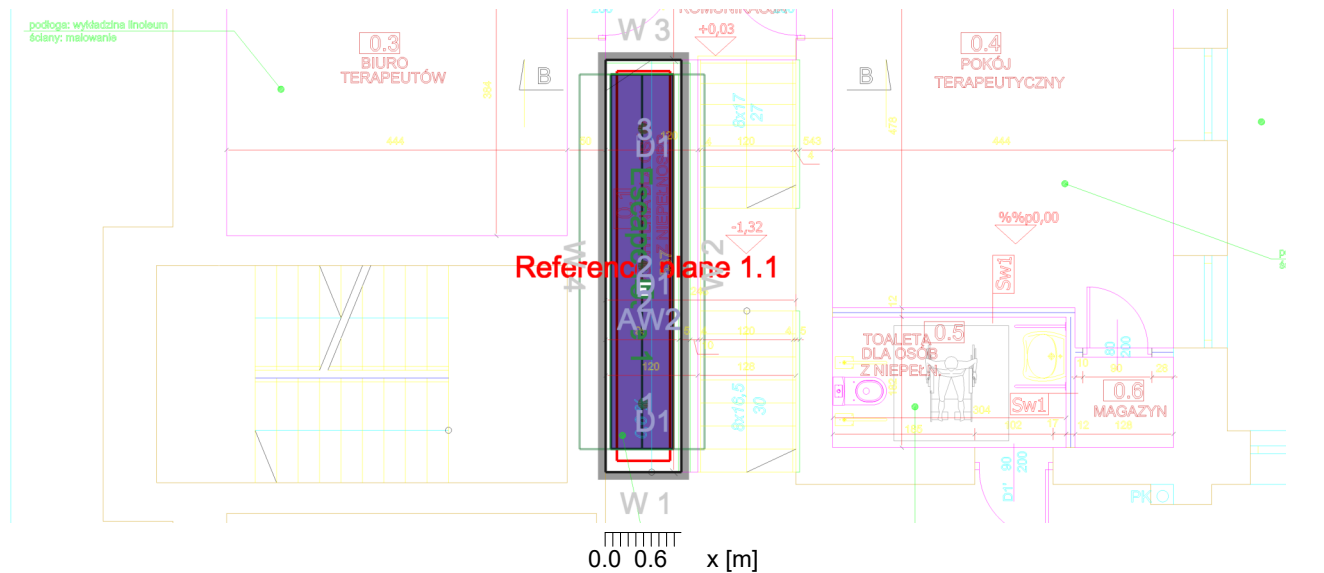
Type No. Make

| | | |
|---|----------------|--------------------------------------|
|  | TRILUX | |
| | Order No. | : |
| | Luminaire name | : SIVS RH14 MPRM-22-220-840 ET 05 |
| | Equipment | : 1 x G7.15.830.600 22.5 W / 3220 lm |

1 01 pochylnia

1.2 Summary, 01 pochylnia

1.2.1.1 Result overview (emergency lighting)



General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot centre) : 6.87 m
Maximum I : 780 cd <= 5000 cd

Escape routes:

| No. | Central axis | | Ud | Surface | |
|---|--------------|-----------|-----------|-----------|-----------|
| | Emin [lx] | Emax [lx] | | Emin [lx] | Emax [lx] |
| Escape route 1 | | | | | |
| Calculation field: 4.88m x 0.81m (24 x 9 pts), Height = 0.00m | | | | | |
| 1 | 1.22 lx | 1.34 lx | 1: 1.10 | 1.20 lx | 1.34 lx |
| | >= 1 lx | | >= 1 : 40 | >= 0.5 lx | |

Type No. Make

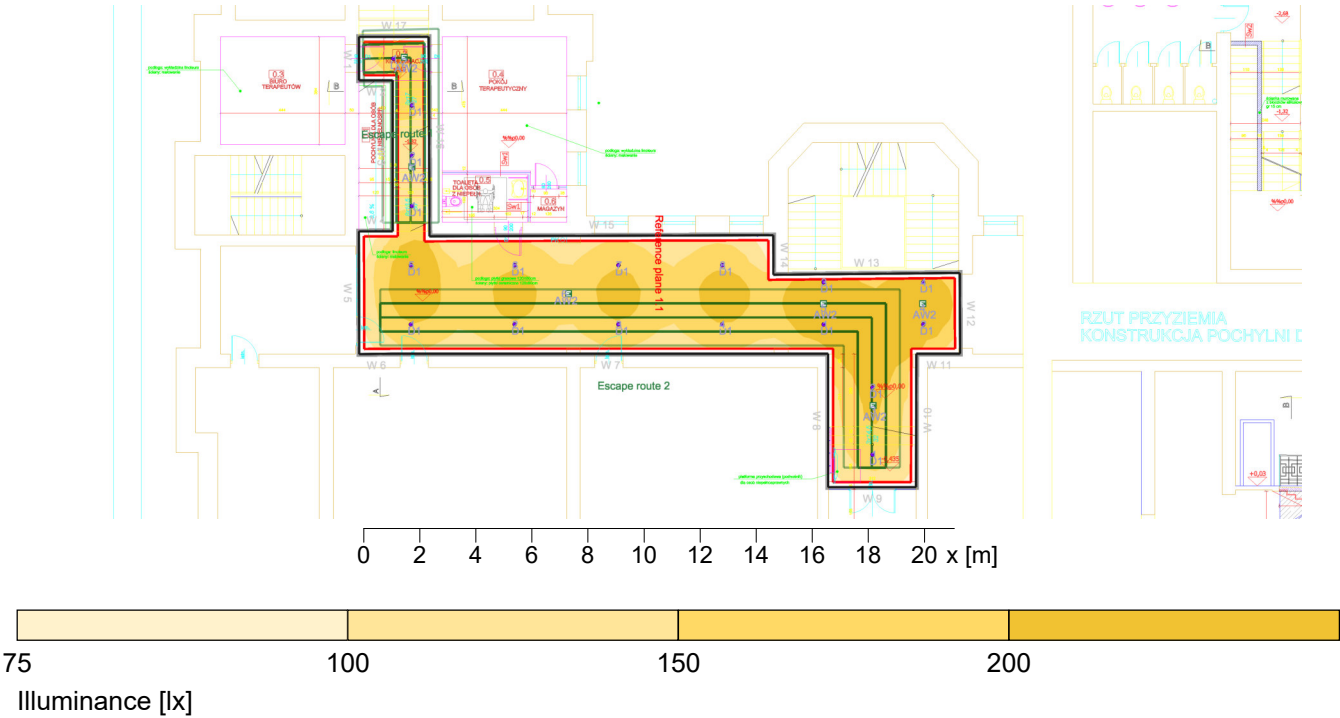
2 1E x **TRILUX - TM TECHNOLOGIE**
Order No. : 234_NM -- Emergency Lighting --
Luminaire name : TM-IT.C1.60 NM
Equipment : 1 x Integral module 1xLED 1.2 W / 369 lm (0%)
Emergency : 369 lm

AW2

2 02 komunikacja

2.1 Summary, 02 komunikacja

2.1.1 Result overview, Evaluation area 1



General


| | |
|----------------------------------|-----------------------------|
| Calculation algorithm used | Average indirect fraction |
| Maintenance factor | 0.80 |
| Total lamp luminous flux | 57960.00 lm |
| Luminaire luminous flux | 36863.90 lm |
| Total power | 405.0 W |
| Total power per area (107.11 m²) | 3.78 W/m² (2.09 W/m²/100lx) |

Evaluation area 1

Reference plane 1.1

| | | |
|---------------------------|------------|-------------|
| | Horizontal | cylindrical |
| \bar{E}_m | 181 lx | 47 lx |
| E_{min} | 95 lx | 27 lx |
| $E_{min}/\bar{E}_m (U_o)$ | 0.53 | 0.58 |
| $E_{min}/E_{max} (U_d)$ | 0.35 | |
| E_z/E_h | | 0.25 |
| Position | 0.00 m | 0.35 m |

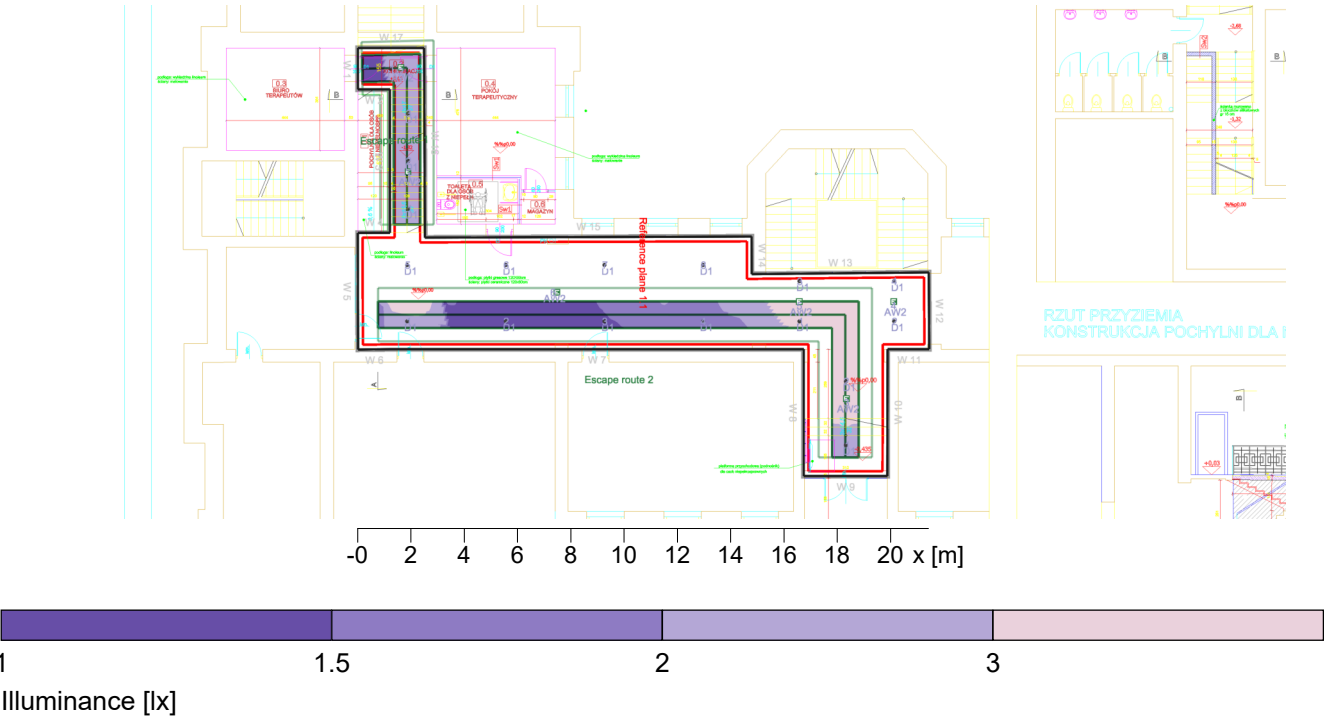
Type No. Make

| | | |
|---|----------------|--------------------------------------|
| 6 | 18 x | TRILUX |
|  | Order No. | : |
| D1 | Luminaire name | : SIVS RH14 MPRM-22-220-840 ET 05 |
| | Equipment | : 1 x G7.15.830.600 22.5 W / 3220 lm |

2 02 komunikacja

2.2 Summary, 02 komunikacja



2.2.1.1 Result overview (emergency lighting)



General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 6.87 m
Maximum I : 780 cd <= 5000 cd

Escape routes:

| No. | Central axis | | Ud | Surface | |
|---|--------------------|-----------|----------------------|----------------------|-----------|
| | Emin [lx] | Emax [lx] | | Emin [lx] | Emax [lx] |
| Escape route 1 | | | | | |
| Calculation field: 7.56m x 1m (38 x 9 pts), Height = 0.00m | | | | | |
| 1 | 1.14 lx >= 1 lx | 2.77 lx | 1: 2.43 >= 1 : 40 | 1.13 lx >= 0.5 lx | 2.77 lx |
|  | | | | | |
| Escape route 2 | | | | | |
| Calculation field: 22.87m x 1m (114 x 9 pts), Height = 0.00m | | | | | |
| 2 | 1.31 lx >= 1 lx | 4.31 lx | 1: 3.29 >= 1 : 40 | 1.20 lx >= 0.5 lx | 4.45 lx |
|  | | | | | |

Type No. Make

TRILUX - TM TECHNOLOGIE


Object :
Installation :
Project number : Gainety Szkoła Czchów
Date : 04.12.2025



2 02 komunikacja

2.2 Summary, 02 komunikacja

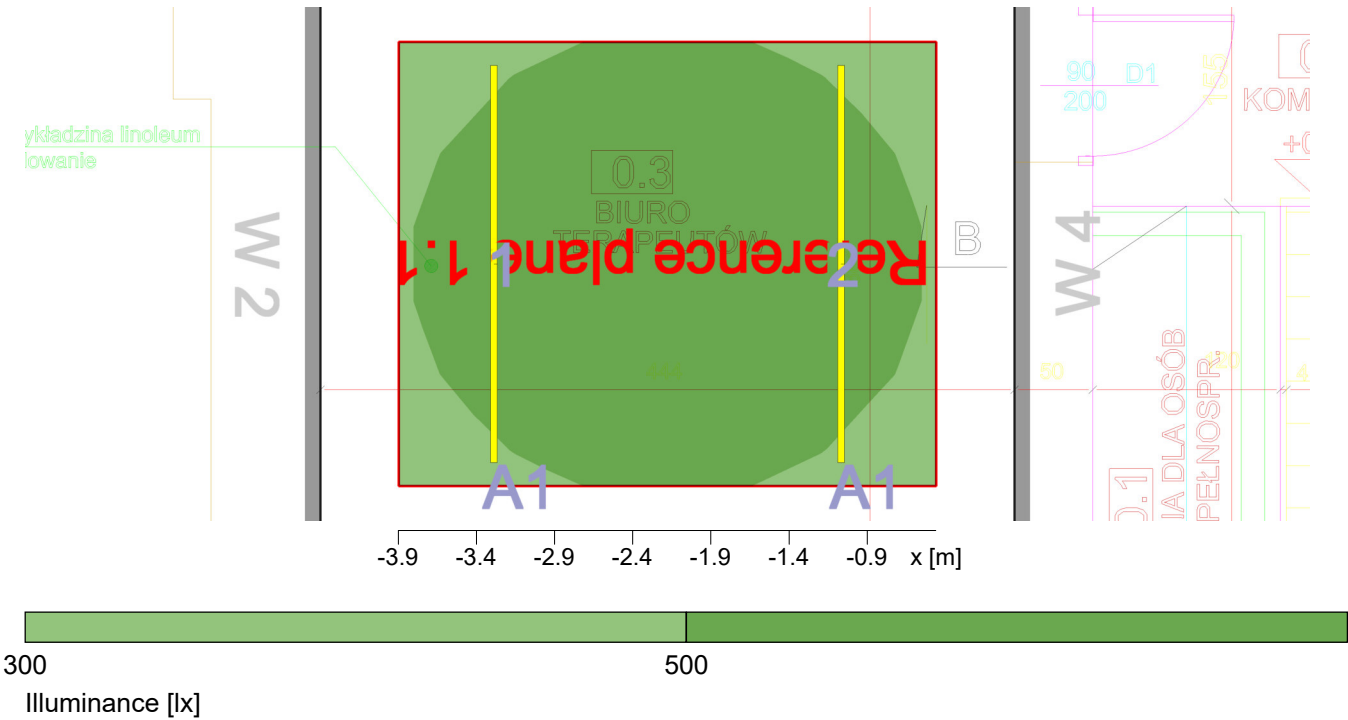
2.2.1.1 Result overview (emergency lighting)

2 6E x Order No. : 234_NM -- Emergency Lighting --
 Luminaire name : TM-IT.C1.60 NM
Equipment : 1 x Integral module 1xLED 1.2 W / 369 lm (0%)
Emergency : 369 lm
AW2

3 03 biuro terapeutów

3.1 Summary, 03 biuro terapeutów

3.1.1 Result overview, Evaluation area 1



General

| | |
|---------------------------------|-----------------------------|
| Calculation algorithm used | Average indirect fraction |
| Height of luminaire plane | 4.11 m |
| Maintenance factor | 0.80 |
| Total lamp luminous flux | 17866.00 lm |
| Luminaire luminous flux | 17864.96 lm |
| Total power | 158.0 W |
| Total power per area (17.04 m²) | 9.27 W/m² (1.68 W/m²/100lx) |

| Evaluation area 1 | Reference plane 1.1 | |
|---------------------------|---------------------|-------------|
| | Horizontal | cylindrical |
| \bar{E}_m | 552 lx | 174 lx |
| E_{min} | 448 lx | 157 lx |
| $E_{min}/\bar{E}_m (U_o)$ | 0.81 | 0.90 |
| $E_{min}/E_{max} (U_d)$ | 0.68 | |
| E_z/E_h | | 0.29 |
| Position | 0.85 m | 1.20 m |

Type No. Make

| | | | |
|----|-----|----------------|--------------------------------------|
| 5 | 2 x | TRILUX | |
| | | Order No. | : |
| | | Luminaire name | : LC44 G6 UGR NT P9 H 840 ET 01 IP40 |
| | | Equipment | : 1 x LED 79 W / 8933 lm |
| A1 | | | |

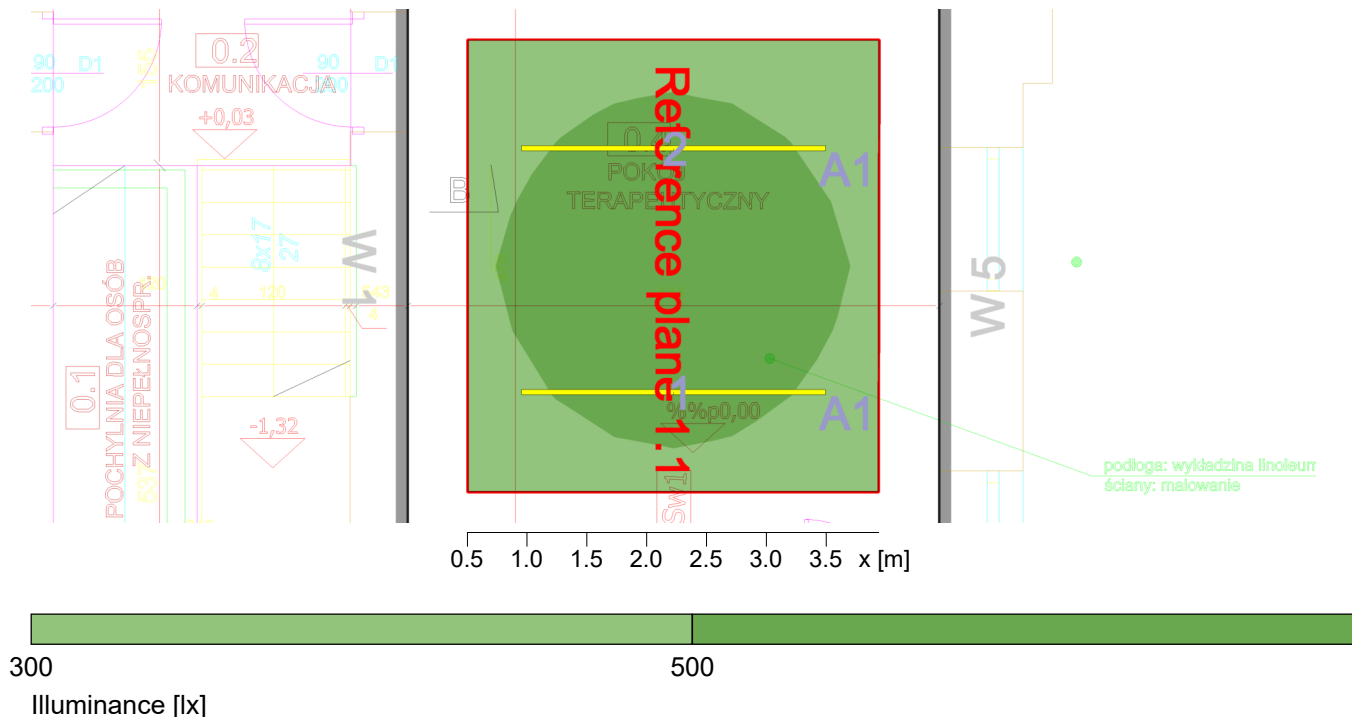
Object :
 Installation :
 Project number : Gainety Szkoła Czchów
 Date : 04.12.2025



4 04 pok. terapeutyczny

4.1 Summary, 04 pok. terapeutyczny

4.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used
 Height of luminaire plane
 Maintenance factor

Average indirect fraction
 4.11 m
 0.80

Total lamp luminous flux
 Luminaire luminous flux
 Total power
 Total power per area (21.89 m²)

17866.00 lm
 17864.96 lm
 158.0 W
 7.22 W/m² (1.42 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

| | | |
|---------------------------|------------|-------------|
| | Horizontal | cylindrical |
| \bar{E}_m | 508 lx | 155 lx |
| E_{min} | 373 lx | 135 lx |
| $E_{min}/\bar{E}_m (U_o)$ | 0.73 | 0.87 |
| $E_{min}/E_{max} (U_d)$ | 0.57 | |
| E_z/E_h | | 0.28 |
| Position | 0.85 m | 1.20 m |

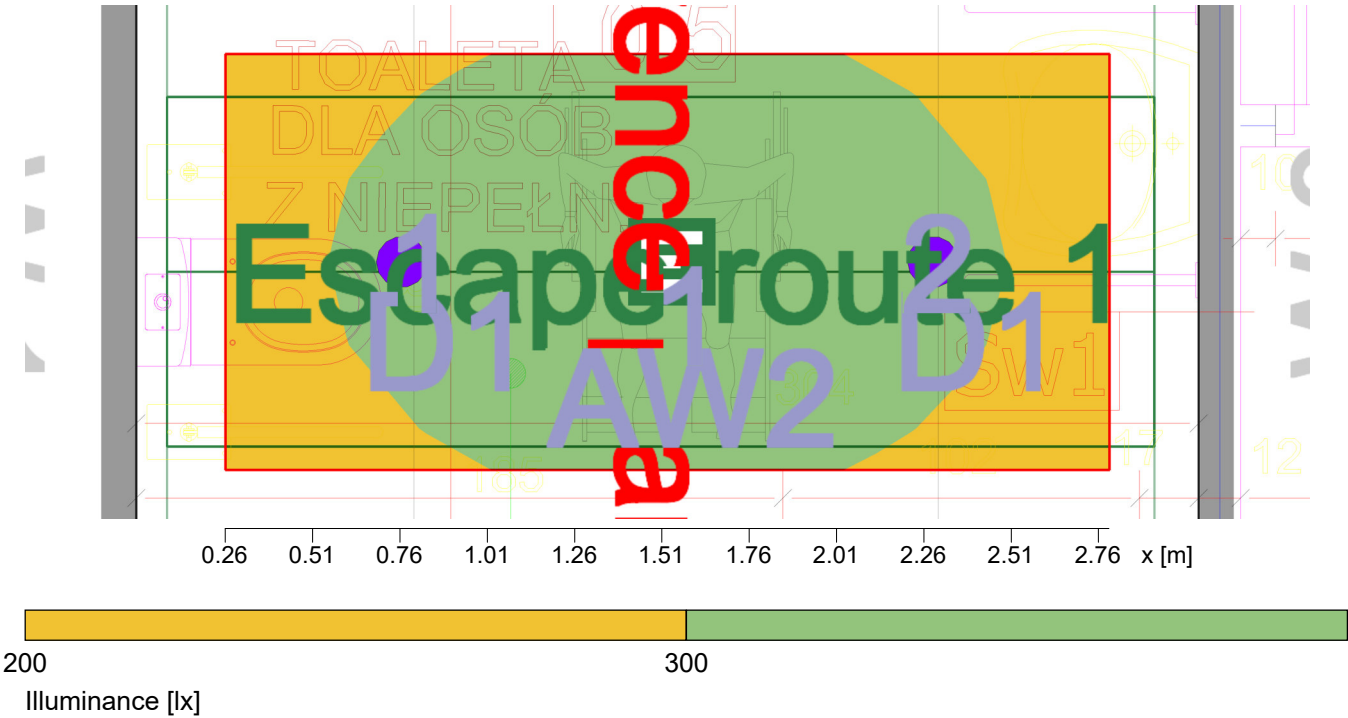
Type No. Make

| | | | |
|----|-----|----------------|--------------------------------------|
| 5 | 2 x | TRILUX | |
| | | Order No. | : |
| | | Luminaire name | : LC44 G6 UGR NT P9 H 840 ET 01 IP40 |
| | | Equipment | : 1 x LED 79 W / 8933 lm |
| A1 | | | |

5 05 toaleta nps

5.1 Summary, 05 toaleta nps

5.1.1 Result overview, Evaluation area 1



General


| | |
|--------------------------------|-----------------------------|
| Calculation algorithm used | Average indirect fraction |
| Height of luminaire plane | 4.11 m |
| Maintenance factor | 0.80 |
| Total lamp luminous flux | 6440.00 lm |
| Luminaire luminous flux | 4095.99 lm |
| Total power | 45.0 W |
| Total power per area (5.17 m²) | 8.71 W/m² (2.76 W/m²/100lx) |

Evaluation area 1

Reference plane 1.1

| | | |
|---------------------------|------------|-------------|
| | Horizontal | cylindrical |
| \bar{E}_m | 315 lx | 77 lx |
| E_{min} | 258 lx | 68 lx |
| $E_{min}/\bar{E}_m (U_o)$ | 0.82 | 0.88 |
| $E_{min}/E_{max} (U_d)$ | 0.70 | |
| E_z/E_h | | 0.21 |
| Position | 0.85 m | 1.20 m |

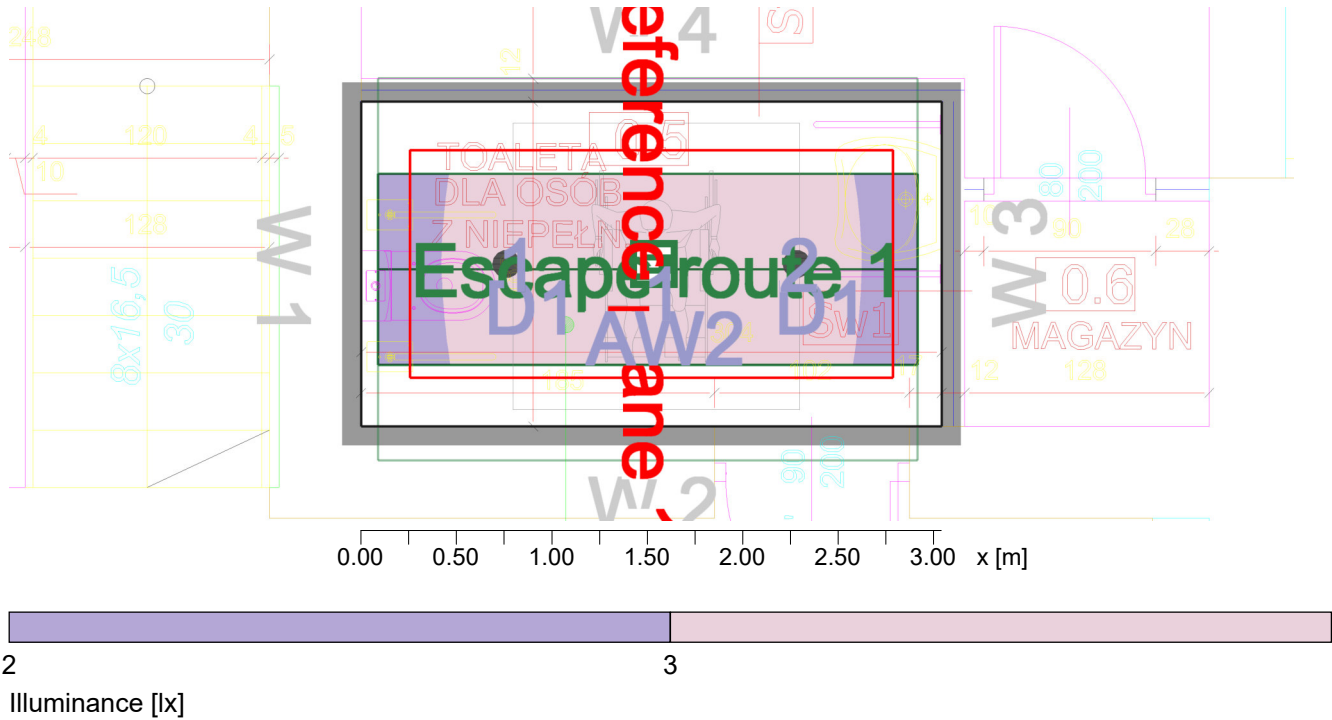
Type No. Make

| | | |
|---|----------------|--------------------------------------|
| 6 2 x | TRILUX | |
|  | Order No. | : |
| D1 | Luminaire name | : SIVS RH14 MPRM-22-220-840 ET 05 |
| | Equipment | : 1 x G7.15.830.600 22.5 W / 3220 lm |

5 05 toaleta nps

5.2 Summary, 05 toaleta nps

5.2.1.1 Result overview (emergency lighting)




General


Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 4.08 m
Maximum I : 780 cd <= 3500 cd

Escape routes:

| No. | Central axis | | Ud | Surface | |
|--|--------------|-----------|-----------|-----------|-----------|
| | Emin [lx] | Emax [lx] | | Emin [lx] | Emax [lx] |
| Escape route 1 | | | | | |
| Calculation field: 2.82m x 1m (14 x 9 pts), Height = 0.00m | | | | | |
| 1 | 2.62 lx | 3.63 lx | 1: 1.39 | 2.54 lx | 3.63 lx |
| | >= 1 lx | | >= 1 : 40 | >= 0.5 lx | |



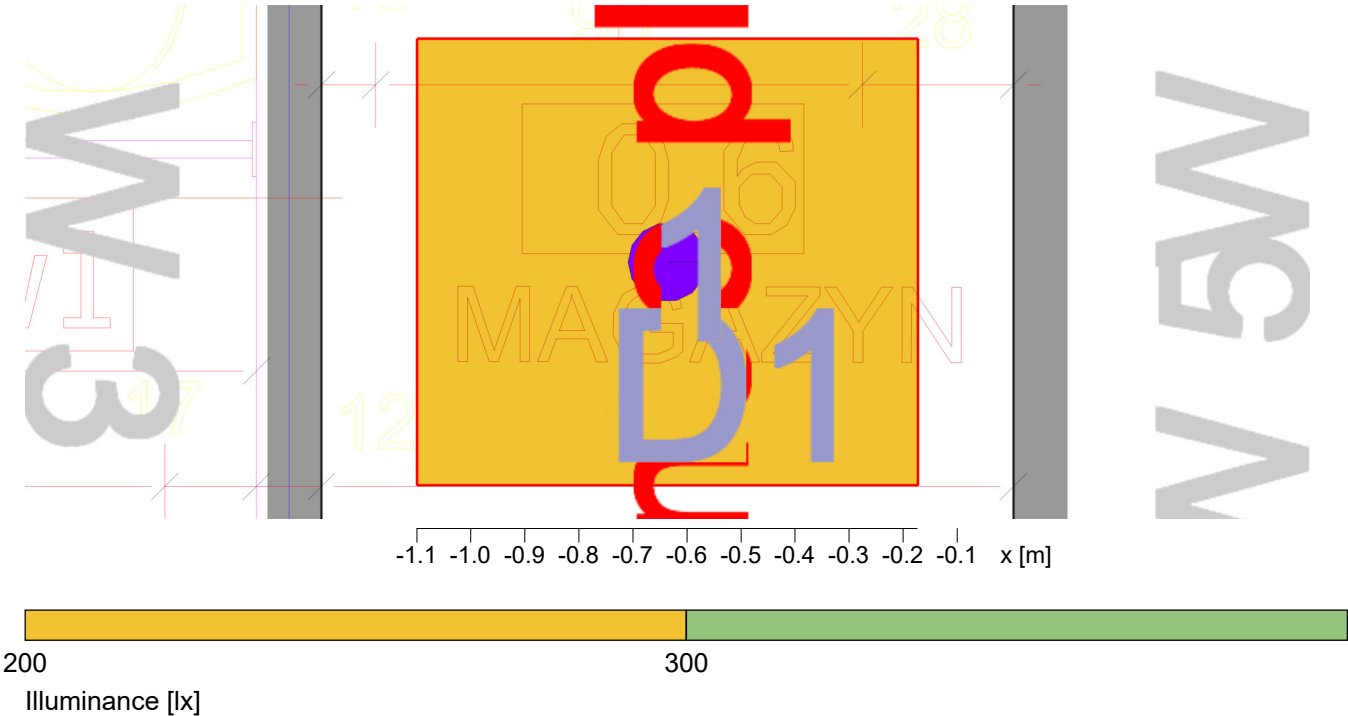
Type No. Make

2 1E x  **TRILUX - TM TECHNOLOGIE**
Order No. : 234_NM -- Emergency Lighting --
Luminaire name : TM-IT.C1.60 NM
Equipment : 1 x Integral module 1xLED 1.2 W / 369 lm (0%)
Emergency : 369 lm
AW2

6 06 magazyn

6.1 Summary, 06 magazyn

6.1.1 Result overview, Evaluation area 1



General


| | |
|--------------------------------|------------------------------|
| Calculation algorithm used | Average indirect fraction |
| Height of luminaire plane | 4.11 m |
| Maintenance factor | 0.80 |
| Total lamp luminous flux | 3220.00 lm |
| Luminaire luminous flux | 2047.99 lm |
| Total power | 22.5 W |
| Total power per area (1.51 m²) | 14.89 W/m² (6.28 W/m²/100lx) |

Evaluation area 1

Reference plane 1.1

| | | |
|---------------------------|------------|-------------|
| | Horizontal | cylindrical |
| \bar{E}_m | 237 lx | 51 lx |
| E_{min} | 225 lx | 46 lx |
| $E_{min}/\bar{E}_m (U_o)$ | 0.95 | 0.91 |
| $E_{min}/E_{max} (U_d)$ | 0.91 | |
| E_z/E_h | | 0.17 |
| Position | 0.85 m | 1.20 m |

Type No. Make

| | | | | |
|---|-----|----------------|-----------|------------------------------------|
| 6 | 1 x | TRILUX | Order No. | : |
|  | | Luminaire name | : | SIVS RH14 MPRM-22-220-840 ET 05 |
| D1 | | Equipment | : | 1 x G7.15.830.600 22.5 W / 3220 lm |