

salon Verona

Installation : PH Bielsko- Biała

Project number : Project

Customer :

Processed by : Szymon Wicik

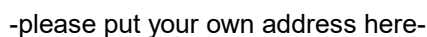
Date : 26.08.2024

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.

RELUX®

1.1.1 Floor plan





1 Pomieszczenie 1

1.1 Description, Pomieszczenie 1

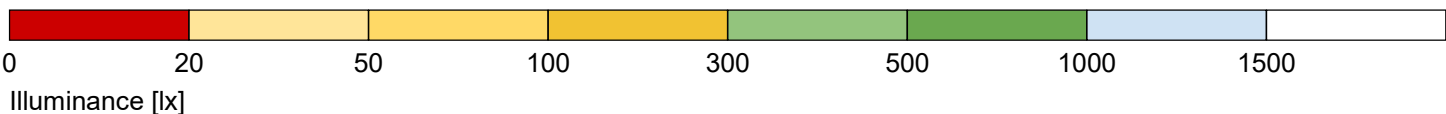
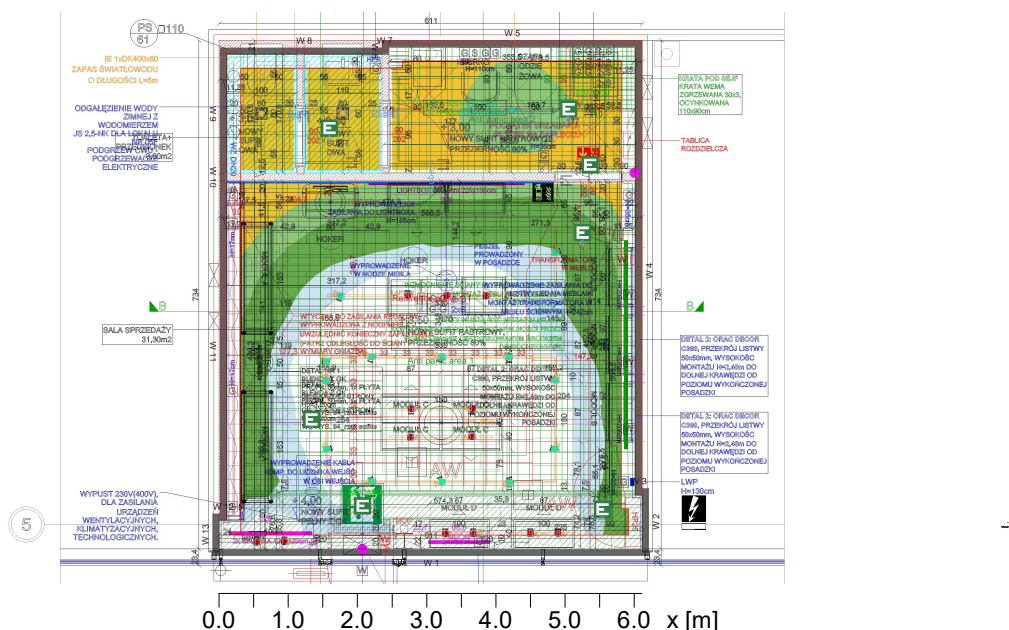
1.1.1 Floor plan

Wall	x	y	Length	Reflectance
1	29.33 m	2.58 m	6.11 m	50.0 %
2	29.33 m	3.36 m	0.78 m	50.0 %
3	29.23 m	3.36 m	0.10 m	50.0 %
4	29.23 m	9.82 m	6.46 m	50.0 %
5	25.67 m	9.82 m	3.56 m	50.0 %
6	25.67 m	9.72 m	0.10 m	50.0 %
7	25.56 m	9.71 m	0.11 m	50.0 %
8	23.34 m	9.71 m	2.22 m	50.0 %
9	23.34 m	8.01 m	1.71 m	50.0 %
10	23.34 m	7.88 m	0.13 m	50.0 %
11	23.34 m	2.99 m	4.89 m	50.0 %
12	23.22 m	2.99 m	0.11 m	50.0 %
13	23.22 m	2.58 m	0.41 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.50 m		
Height of ref. plane		----		

1 Pomieszczenie 1

1.2 Summary, Pomieszczenie 1

1.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Total luminous flux
Total power
Total power per area (42.57 m²)

82470.00 lm
665.0 W
15.62 W/m² (1.31 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

$\bar{E}_m$
 E_{min}
 $E_{min}/\bar{E}_m (U_o)$
 $E_{min}/E_{max} (U_d)$
 E_z/E_h
Position
RUG (3.5H 4.1H)
Luminaire :
(Saver LED PC/PC 1200mm 5000lm 840 IP65 36W, 374166)

Horizontal
1190 lx
156 lx
0.13
0.05
0.24
0.75 m (rot: 0°/0°)
0.75 m (rot: 0°/0°)

cylindrical
292 lx
60 lx
0.20
0.24
0.75 m (rot: 0°/0°)

Major surfaces

M 1.13 (Ceiling)
M 1.1 (Wall)
M 1.6 (Wall)
M 1.8 (Wall)
M 1.9 (Wall)
M 1.10 (Wall)
M 1.11 (Wall)
M 1.12 (Wall)

$\bar{E}_m$
164 lx
600 lx
310 lx
257 lx
204 lx
122 lx
146 lx
264 lx

U_o
0.28
0.34
0.47
0.50
0.39
0.42
0.38
0.44

1 Pomieszczenie 1

1.2 Summary, Pomieszczenie 1

1.2.1 Result overview, Evaluation area 1

Type No.\Make

TM Technologie

1 2E x



Order No. : Ontec G E1B -- Emergency Lighting --
Luminaire name : Ontec G E1B
Equipment : 1 x LED 12 W / 600 lm
Emergency : 600 lm (100.0 %)

TM TECHNOLOGIE

2 5E x



Order No. : 106_NM -- Emergency Lighting --
Luminaire name : TM.ÖNTEC R M1 60 NM
Equipment : 1 x 010293 1LED 1 W / 360 lm
Emergency : 360 lm (100.0 %)

CLF

3 13 x



Order No. : N022-K0003-LC935-H1-M38-ZA02.600-S2-AA3
Luminaire name : SPOTLIGHT LIDER A MINI 935 22W 38° WHITE ON OFF
Equipment : 1 x CXM-14-35-90-36-AC30-F4-3 | LUMINUS 22 W / 2697 lm

4 13 x



Order No. : N022-K0003-LC935-H1-M23-ZA02.600-S2-AA3
Luminaire name : SPOTLIGHT LIDER A MINI 935 22W 23° WHITE ON OFF
Equipment : 1 x CXM-14-35-90-36-AC30-F4-3 | LUMINUS 22 W / 2697 lm

CORA Lighting Factory

5 1 x



Order No. : 374166
Luminaire name : Saver LED PC/PC 1200mm 5000lm 840 IP65 36W
Equipment : 1 x 36W 36 W / 5000 lm

CORA LIGHTING FACTORY

6 2 x

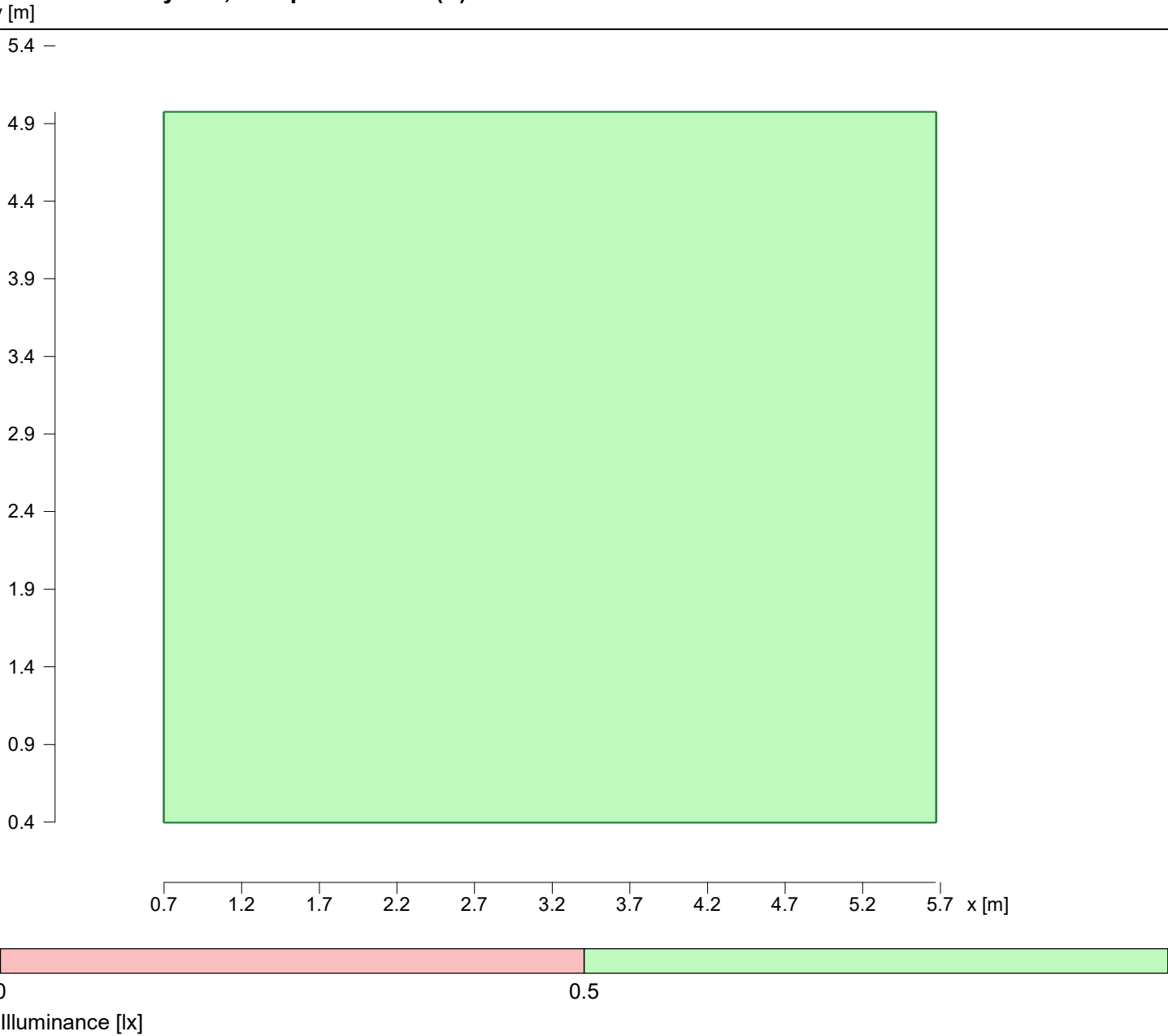


Order No. : N214-K0003-BB935-H8-H60-ZC01.350-S6-###
Luminaire name : DOWNLIGHT CYGNUS Z1 935 14W 60° WHITE HI EFFICIENT
Equipment : 1 x BXRE-35G20FB-B-82 14 W / 2174 lm

1 Pomieszczenie 1

1.3 Calculation results, Pomieszczenie 1

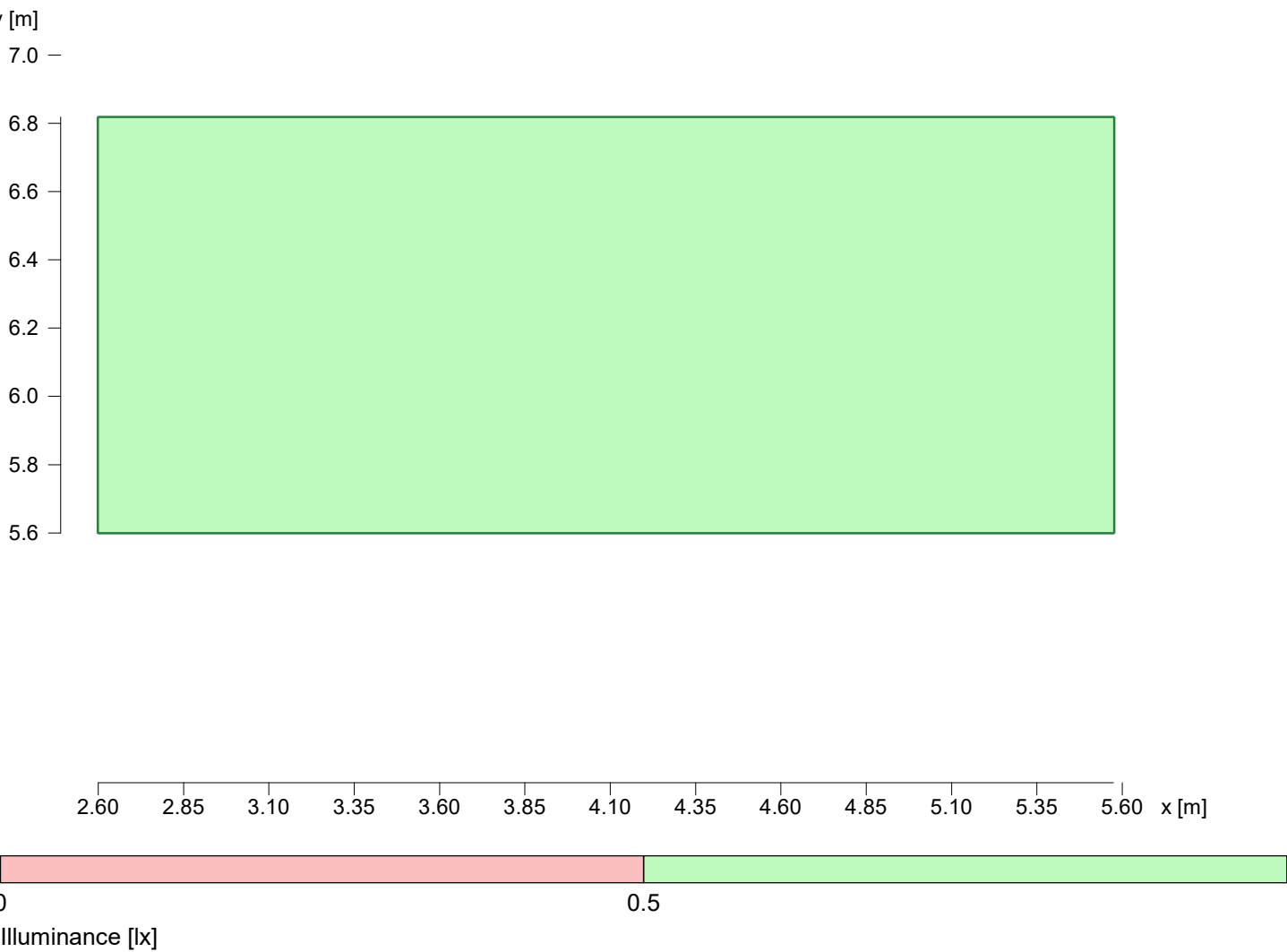
1.3.1 Boundary line, Anti panic area 1 (E)



Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 4.6 lx
Maximum illuminance	Emax	: 14 lx
Diversity	Emin/Emax	: 1 : 3.14 (0.32) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.3 Calculation results, Pomieszczenie 1

1.3.2 Boundary line, Anti panic area 2 (E)



Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 4.5 lx
Maximum illuminance	Emax	: 12 lx
Diversity	Emin/Emax	: 1 : 2.61 (0.38) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8