

Installation :

Project number :

Customer :

Processed by : RW

Date : 12.06.2025

Project description:

Maintenance Factor 0.8

Reflectance Values 70/50/20

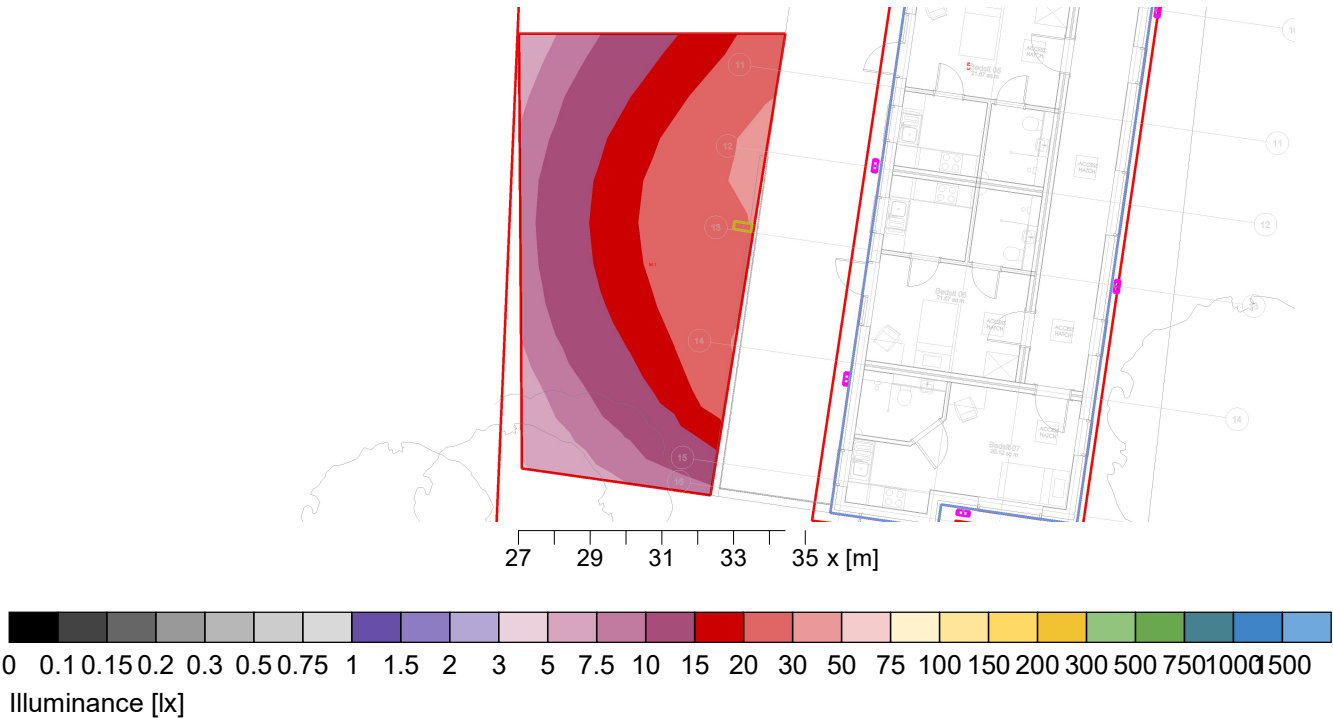
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

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

1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Measuring area 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	26416 lm
Total power	200 W
Total power per area (11293.00 m²)	0.02 W/m²

Illuminance

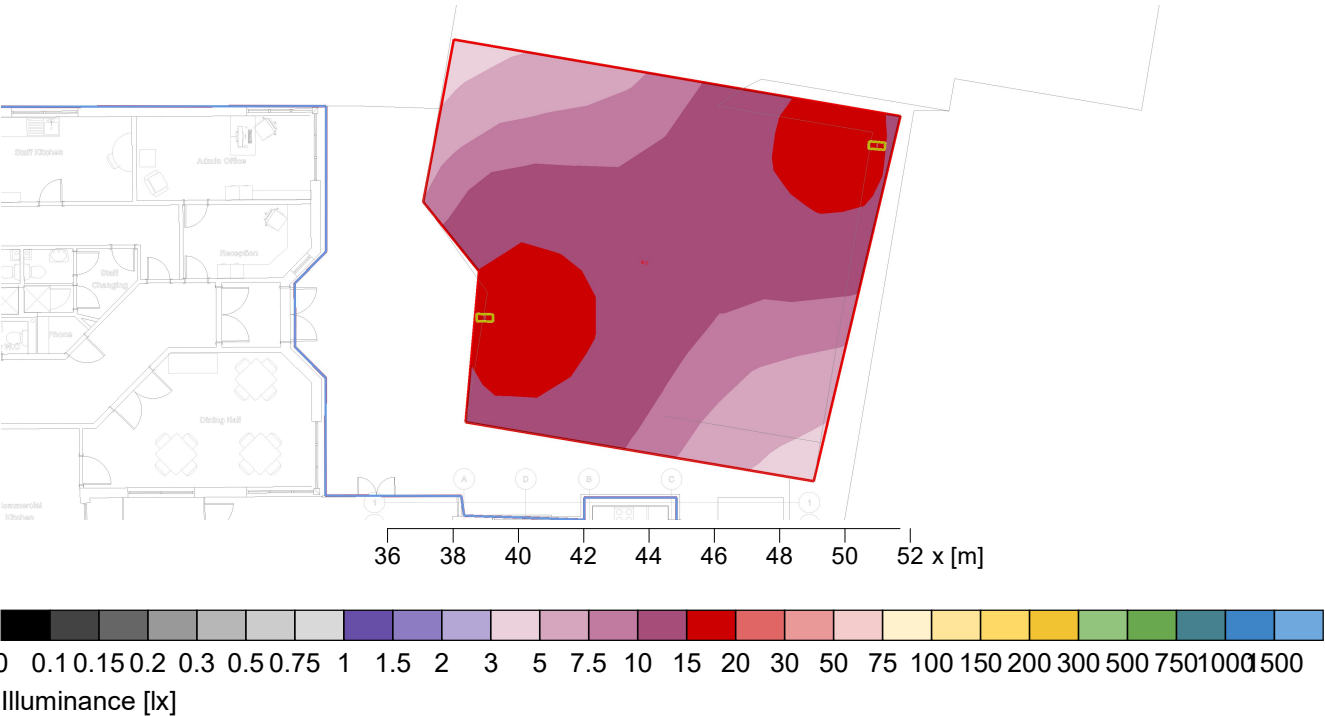
Average illuminance	$\bar{E}_m$	16.5 lx
Minimum illuminance	E_{min}	6.3 lx
Maximum illuminance	E_{max}	34.8 lx
Uniformity U_0	$E_{min}/\bar{E}_m$	1:2.62 (0.38)
Diversity U_d	E_{min}/E_{max}	1:5.54 (0.18)

Type No. Make

Steon	
1 3 x	Order No. :
	Luminaire name : Condor Mini 20W LED - 4000K - Extra Wide
	Equipment : 1 x LED 20 W / 2640 lm
Mistral	
2 8 x	Order No. : 65-162-160-402
	Luminaire name : Mistral Smart 16W
	Equipment : 1 x 17.5 W / 2312 lm

1.1 Summary, Exterior 1

1.1.2 Result overview, Measuring area 2



General	
Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	26416 lm
Total power	200 W
Total power per area (11293.00 m²)	0.02 W/m²

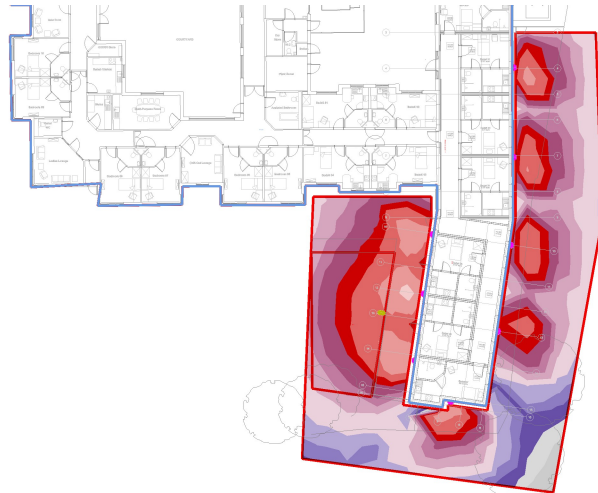
Illuminance	
Average illuminance	$\bar{E}_m$ 11.2 lx
Minimum illuminance	E_{min} 4.5 lx
Maximum illuminance	E_{max} 17.6 lx
Uniformity U_o	$E_{min}/\bar{E}_m$ 1:2.52 (0.4)
Diversity U_d	E_{min}/E_{max} 1:3.95 (0.25)

Type No. Make

Steon	
1 3 x	Order No. :
	Luminaire name : Condor Mini 20W LED - 4000K - Extra Wide
	Equipment : 1 x LED 20 W / 2640 lm
2 8 x	Order No. : 65-162-160-402
	Luminaire name : Mistral Smart 16W
	Equipment : 1 x 17.5 W / 2312 lm

1.1 Summary, Exterior 1

1.1.3 Result overview, Measuring area 3



26.0 33.5 41.0 48.5 x [m]



0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500
 Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	26416 lm
Total power	200 W
Total power per area (11293.00 m²)	0.02 W/m²

Illuminance

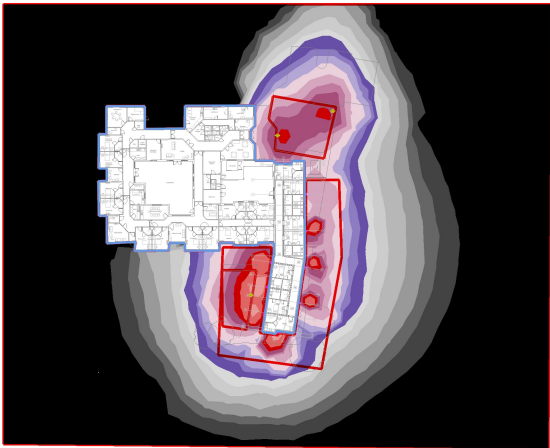
Average illuminance	$\bar{E}_m$	12 lx
Minimum illuminance	E_{min}	0.7 lx
Maximum illuminance	E_{max}	61.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:17.3 (0.06)
Diversity U_d	E_{min}/E_{max}	1:88.4 (0.01)

Type No. Make

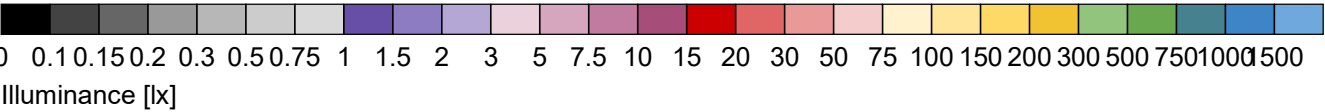
Steon	
1 3 x	Order No. :
	Luminaire name : Condor Mini 20W LED - 4000K - Extra Wide
	Equipment : 1 x LED 20 W / 2640 lm
2 8 x	Order No. : 65-162-160-402
	Luminaire name : Mistral Smart 16W
	Equipment : 1 x 17.5 W / 2312 lm

1.1 Summary, Exterior 1

1.1.4 Result overview, Evaluation area 1



-20 -10 -0 10 20 30 40 50 60 70 80 90 x [m]



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	26416 lm
Luminaire luminous flux	26411 lm
Total power	200.0 W
Total power per area (11293.00 m²)	0.02 W/m² (1.76 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

$\bar{E}_m$	Horizontal
E_{min}	1.01 lx
$E_{min}/\bar{E}_m (U_o)$	0 lx
$E_{min}/E_{max} (U_d)$	---
Position	---
	0.00 m

Type No. Make

1	3 x	Steon
	Order No.	:
	Luminaire name	: Condor Mini 20W LED - 4000K - Extra Wide
	Equipment	: 1 x LED 20 W / 2640 lm
2	8 x	
	Order No.	: 65-162-160-402
	Luminaire name	: Mistral Smart 16W
	Equipment	: 1 x 17.5 W / 2312 lm