



DWD-3916-LOA Gateway

Installation : Proposed Lighting

Project number :

Customer :

Processed by : DW

Date : 30.01.2023

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.

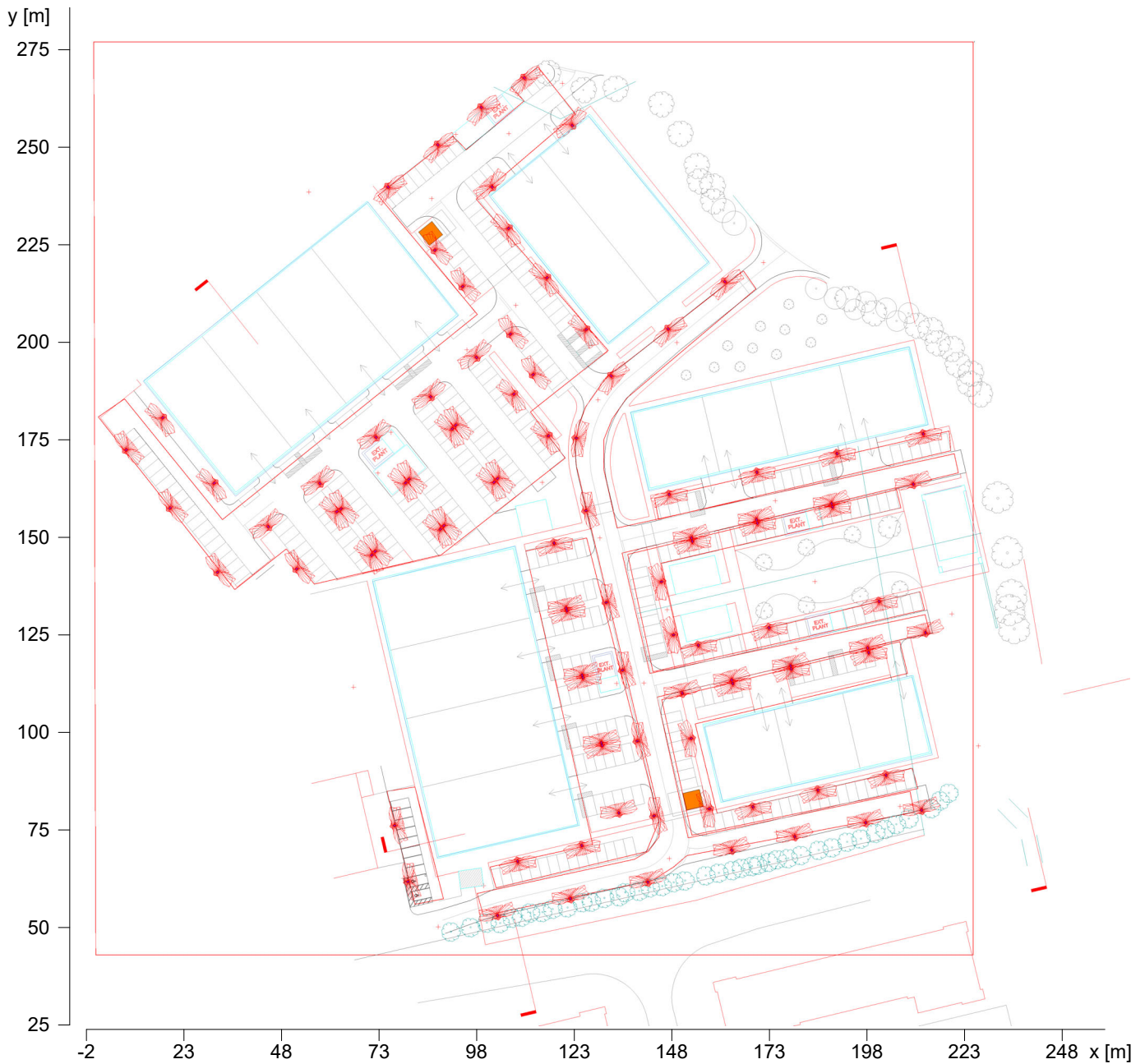
Processed By DWD



1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Floor plan

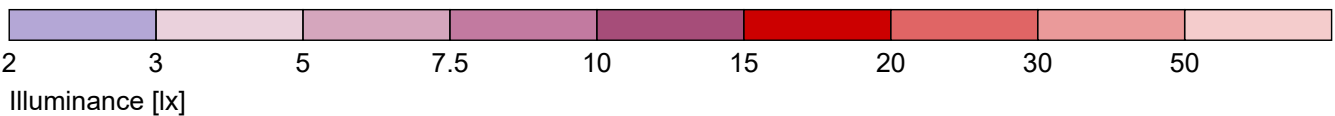
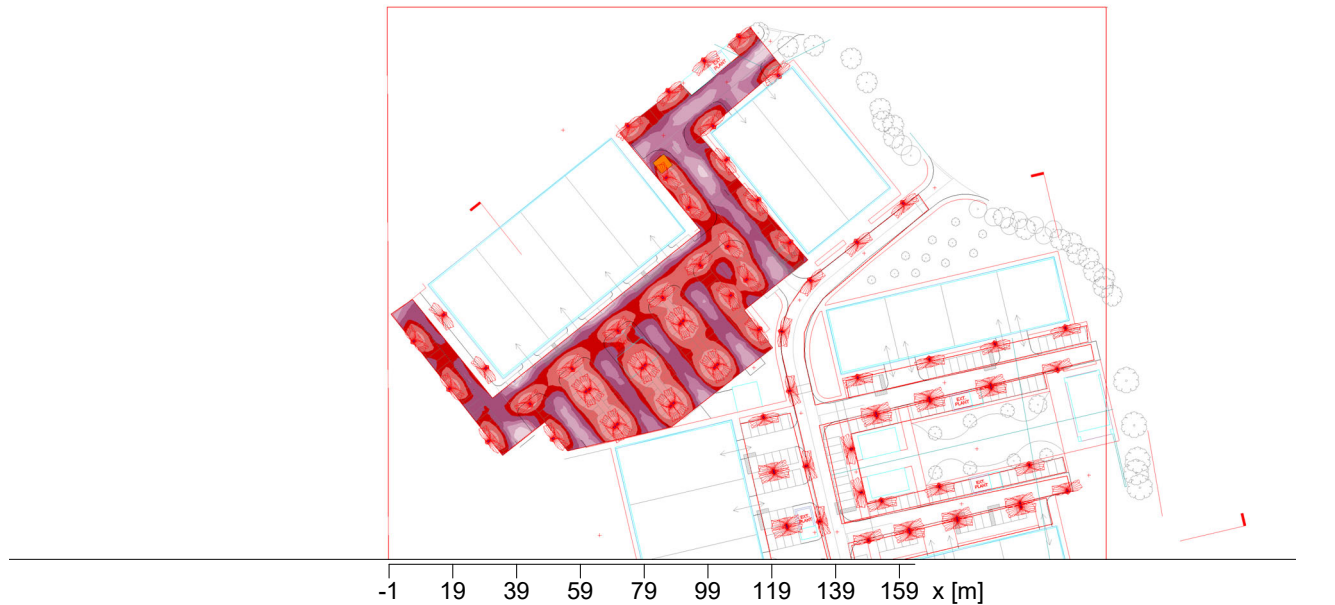




1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Measuring area 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.center) [m]:	5.97 m
Maintenance factor	0.80

Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

Average illuminance	Em	20.5 lx
Minimum illuminance	Emin	2.8 lx
Maximum illuminance	Emax	73.2 lx
Uniformity U _o	Emin/Em	1:7.31 (0.14)
Diversity U _d	Emin/Emax	1:26.1 (0.04)

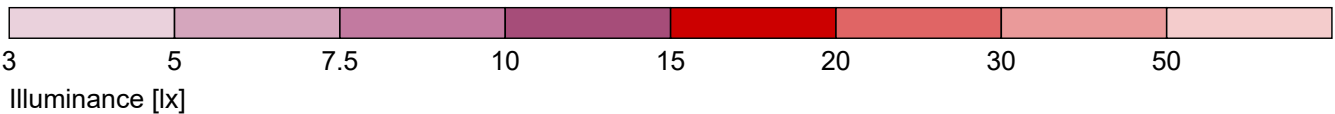
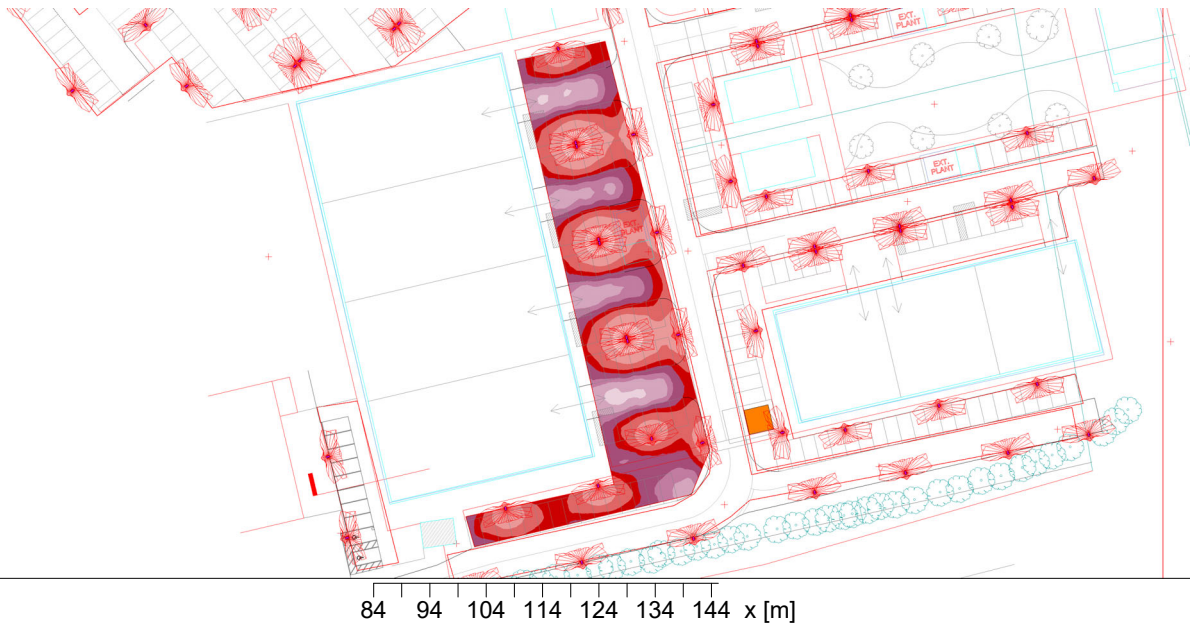
Type No.\Make

	NVC Lighting	
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm



1.2 Summary, Exterior 1

1.2.2 Result overview, Measuring area 2



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.center) [m]:	5.97 m
Maintenance factor	0.80
Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

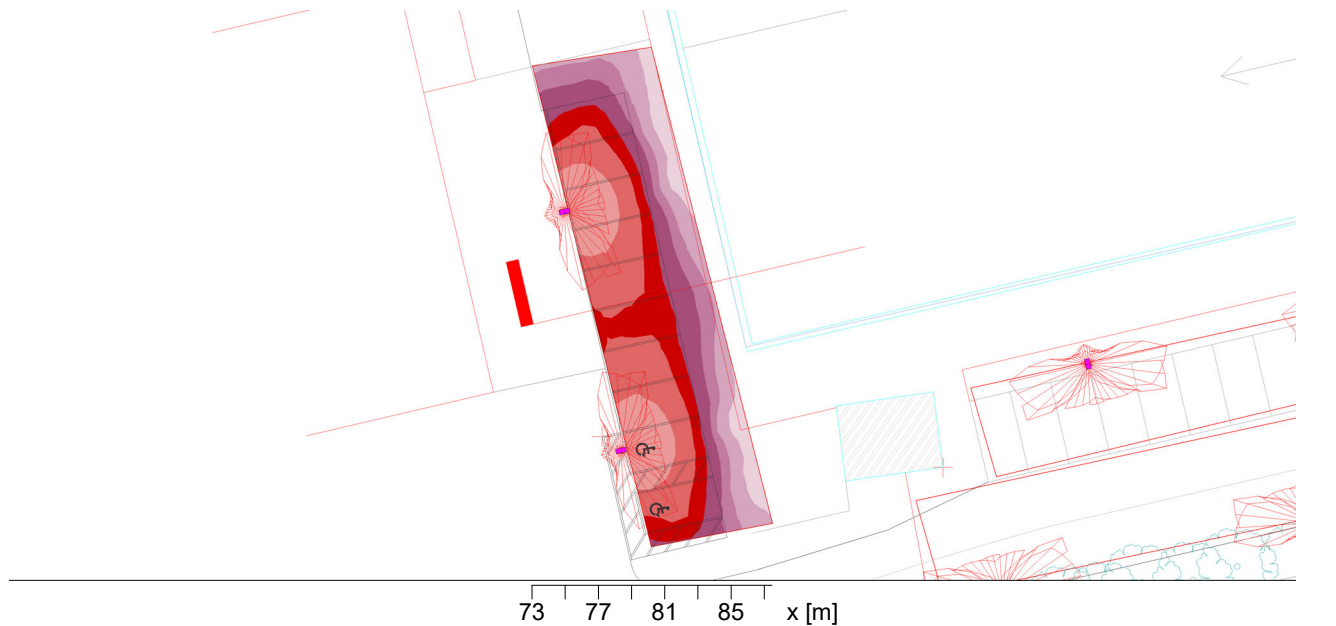
Average illuminance	Em	21.7 lx
Minimum illuminance	Emin	4.1 lx
Maximum illuminance	Emax	74.9 lx
Uniformity U _o	Emin/Em	1:5.28 (0.19)
Diversity U _d	Emin/Emax	1:18.3 (0.05)

Type No.\Make

	NVC Lighting	
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm

1.2 Summary, Exterior 1

1.2.3 Result overview, Measuring area 3



General


Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.center) [m]:	5.97 m
Maintenance factor	0.80

Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

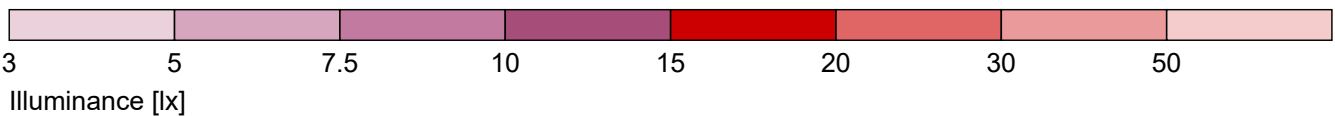
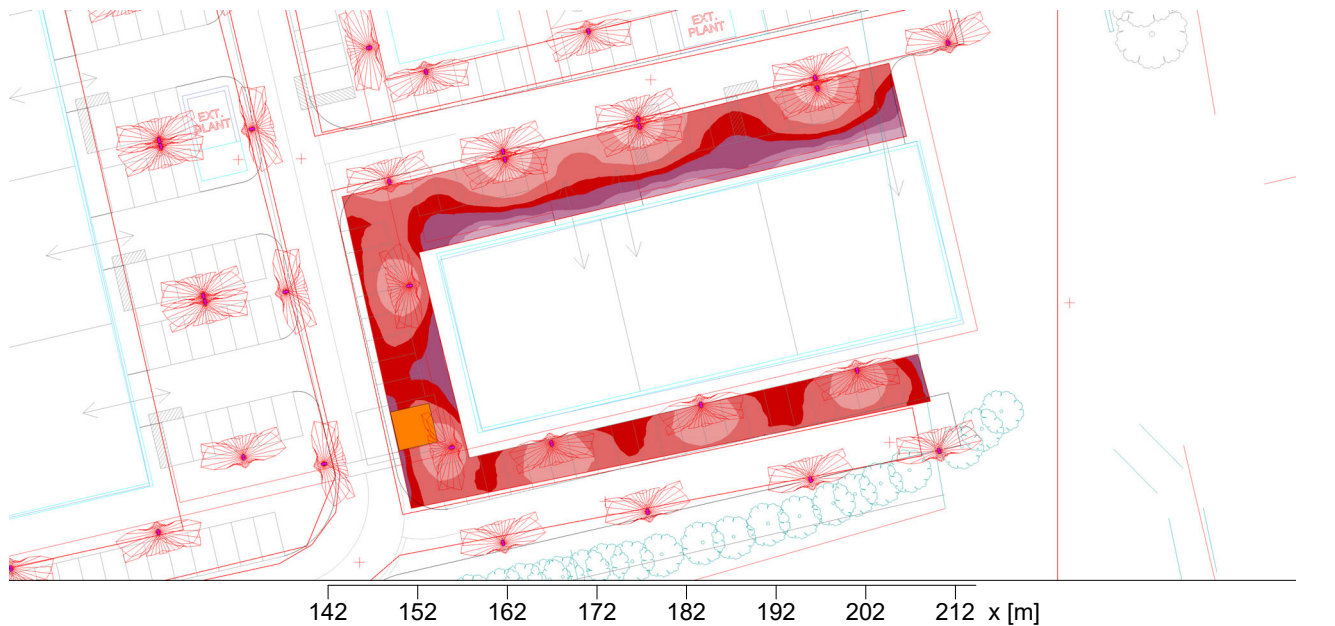
Average illuminance	Em	17.7 lx
Minimum illuminance	Emin	3.3 lx
Maximum illuminance	Emax	46.2 lx
Uniformity U _o	Emin/Em	1:5.42 (0.18)
Diversity U _d	Emin/Emax	1:14.2 (0.07)

Type No.\Make

 2 95 x	NVC Lighting	
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm

1.2 Summary, Exterior 1

1.2.4 Result overview, Measuring area 4



General


Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot. centre) [m]:	5.97 m
Maintenance factor	0.80

Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

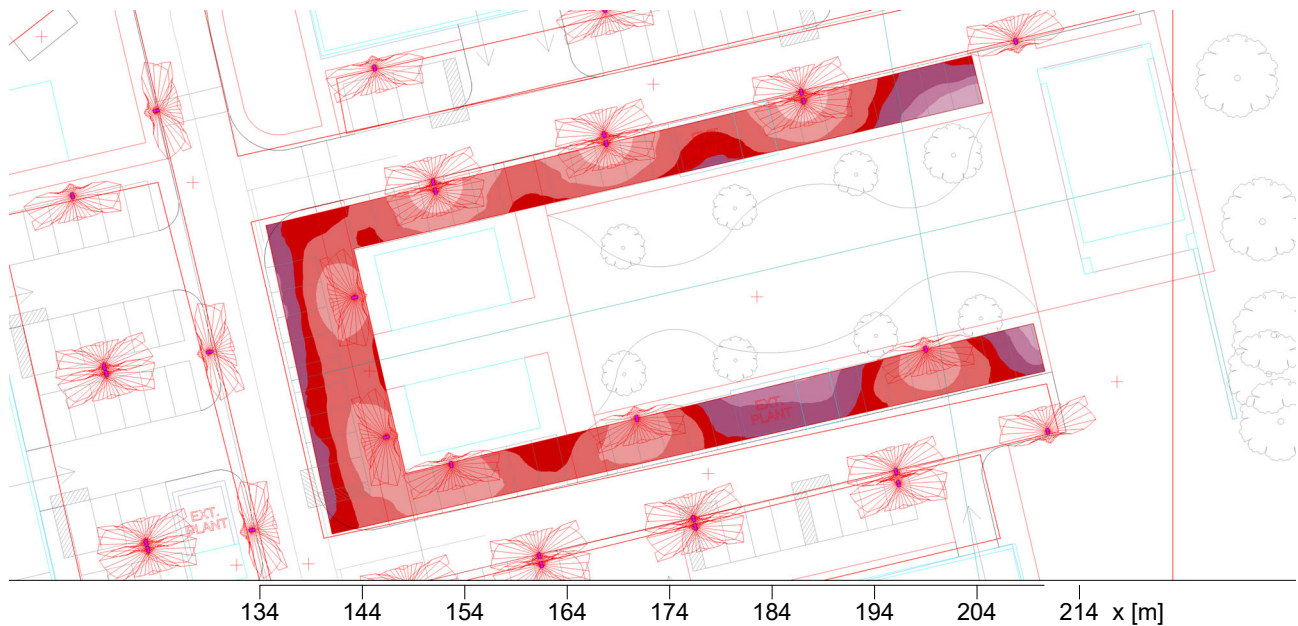
Average illuminance	Em	25 lx
Minimum illuminance	Emin	4.8 lx
Maximum illuminance	Emax	73.3 lx
Uniformity U _o	Emin/Em	1:5.2 (0.19)
Diversity U _d	Emin/Emax	1:15.3 (0.07)

Type No. Make

	NVC Lighting	
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm

1.2 Summary, Exterior 1

1.2.5 Result overview, Measuring area 5



General


Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot. centre) [m]:	5.97 m
Maintenance factor	0.80

Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

Average illuminance	Em	25.9 lx
Minimum illuminance	Emin	5 lx
Maximum illuminance	E _{max}	73.6 lx
Uniformity U _o	E _{min} /E _m	1:5.13 (0.19)
Diversity U _d	E _{min} /E _{max}	1:14.6 (0.07)

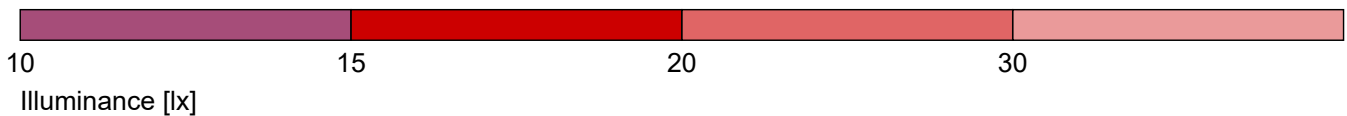
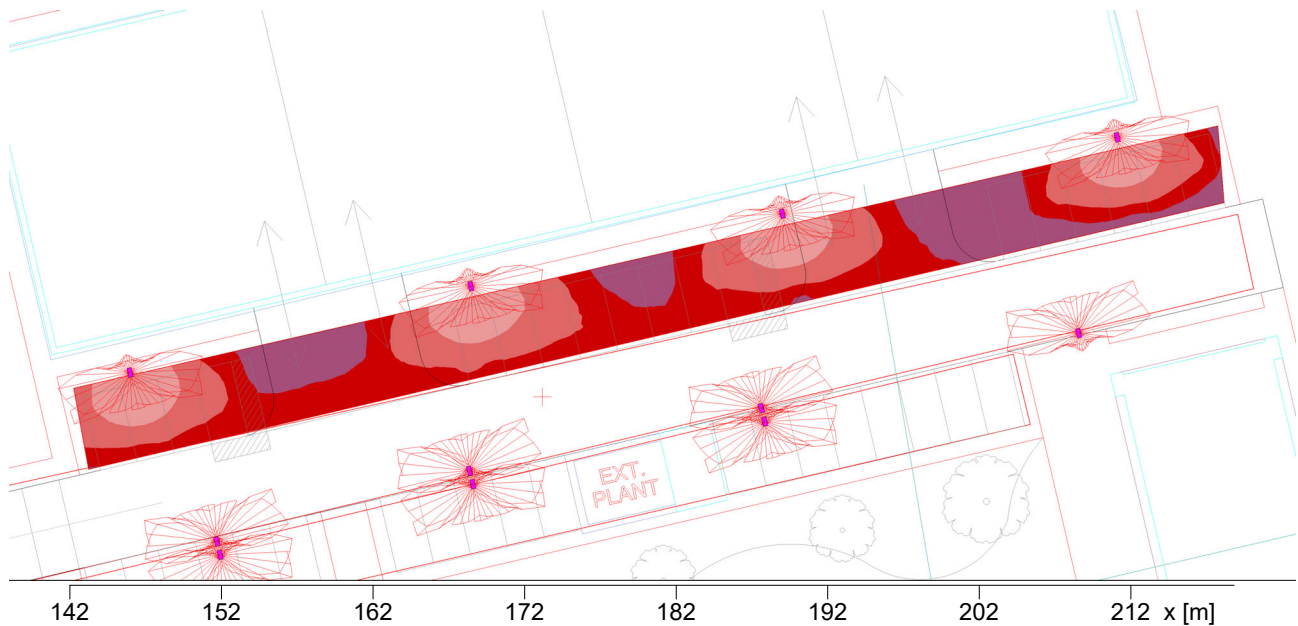
Type No. Make

2	95 x	NVC Lighting
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm



1.2 Summary, Exterior 1

1.2.6 Result overview, Measuring area 6



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot.center) [m]:	5.97 m
Maintenance factor	0.80

Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

Average illuminance	Em	21.1 lx
Minimum illuminance	Emin	10.1 lx
Maximum illuminance	Emax	47.4 lx
Uniformity U _o	Emin/Em	1:2.09 (0.48)
Diversity U _d	Emin/Emax	1:4.7 (0.21)

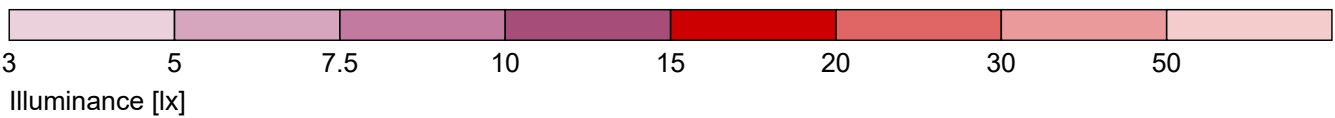
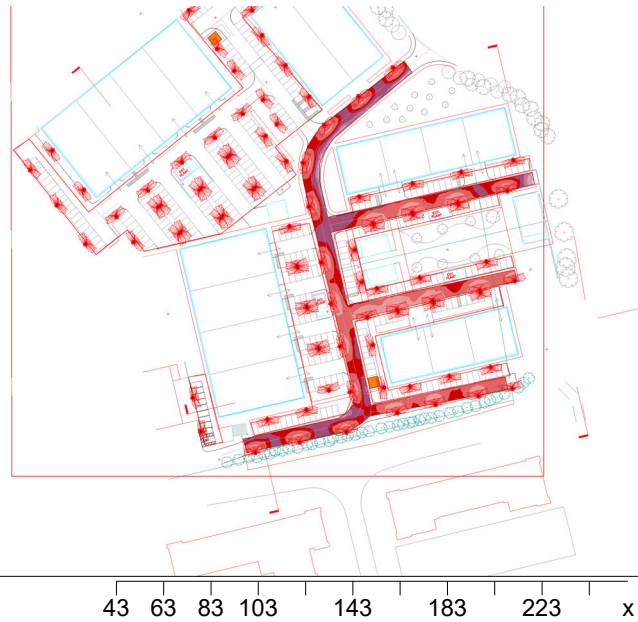
Type No.\Make

	NVC Lighting	
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm



1.2 Summary, Exterior 1

1.2.7 Result overview, Measuring area 7



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot. centre) [m]:	5.97 m
Maintenance factor	0.80

Total luminous flux	470250 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ²

Illuminance

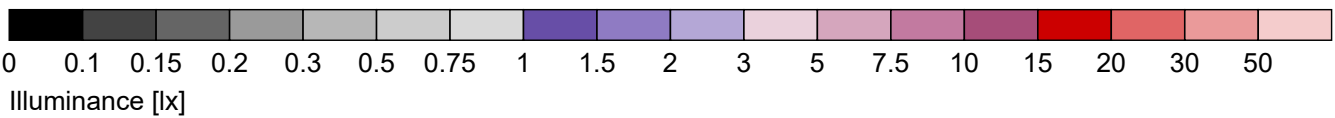
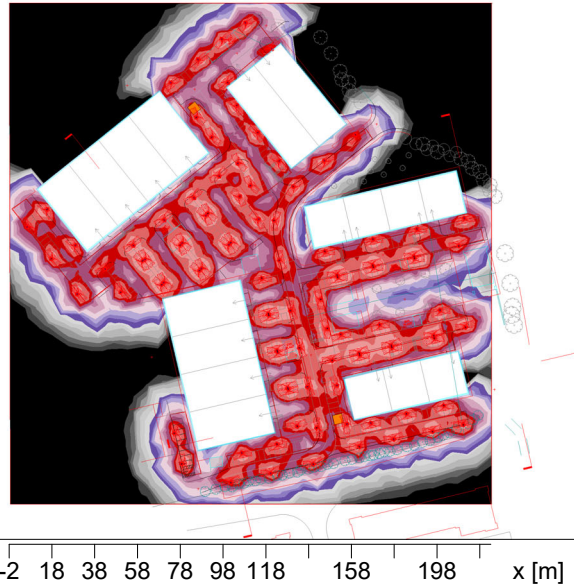
Average illuminance	Em	23.9 lx
Minimum illuminance	Emin	4.6 lx
Maximum illuminance	Emax	70.6 lx
Uniformity U _o	Emin/Em	1:5.2 (0.19)
Diversity U _d	Emin/Emax	1:15.4 (0.07)

Type No. Make

	NVC Lighting
	Order No. : NBF34/OP2/740/NBF34/OP2/740
	Luminaire name : BELFRY
	Equipment : 1 x LED 36.9 W / 4950 lm

1.2 Summary, Exterior 1

1.2.8 Result overview, Evaluation area 1



General


Calculation algorithm used	Average indirect fraction
Height (phot. centre)	5.97 m
Maintenance factor	0.80
Total luminous flux	470250.00 lm
Total power	3505.5 W
Total power per area (52593.55 m ²)	0.07 W/m ² (0.81 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

	Horizontal
Em	8.23 lx
Emin	0 lx
Emin/Em (Uo)	---
Emin/Emax (Ud)	---
Position	0.00 m

Type No. Make

	NVC Lighting	
	Order No.	: NBF34/OP2/740/NBF34/OP2/740
	Luminaire name	: BELFRY
	Equipment	: 1 x LED 36.9 W / 4950 lm