



General Lighting

Installation : Kirby

Project number : 797 Rev E

Customer : HVGS

Processed by : CW

Date : 21.08.2026

Project description:

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.

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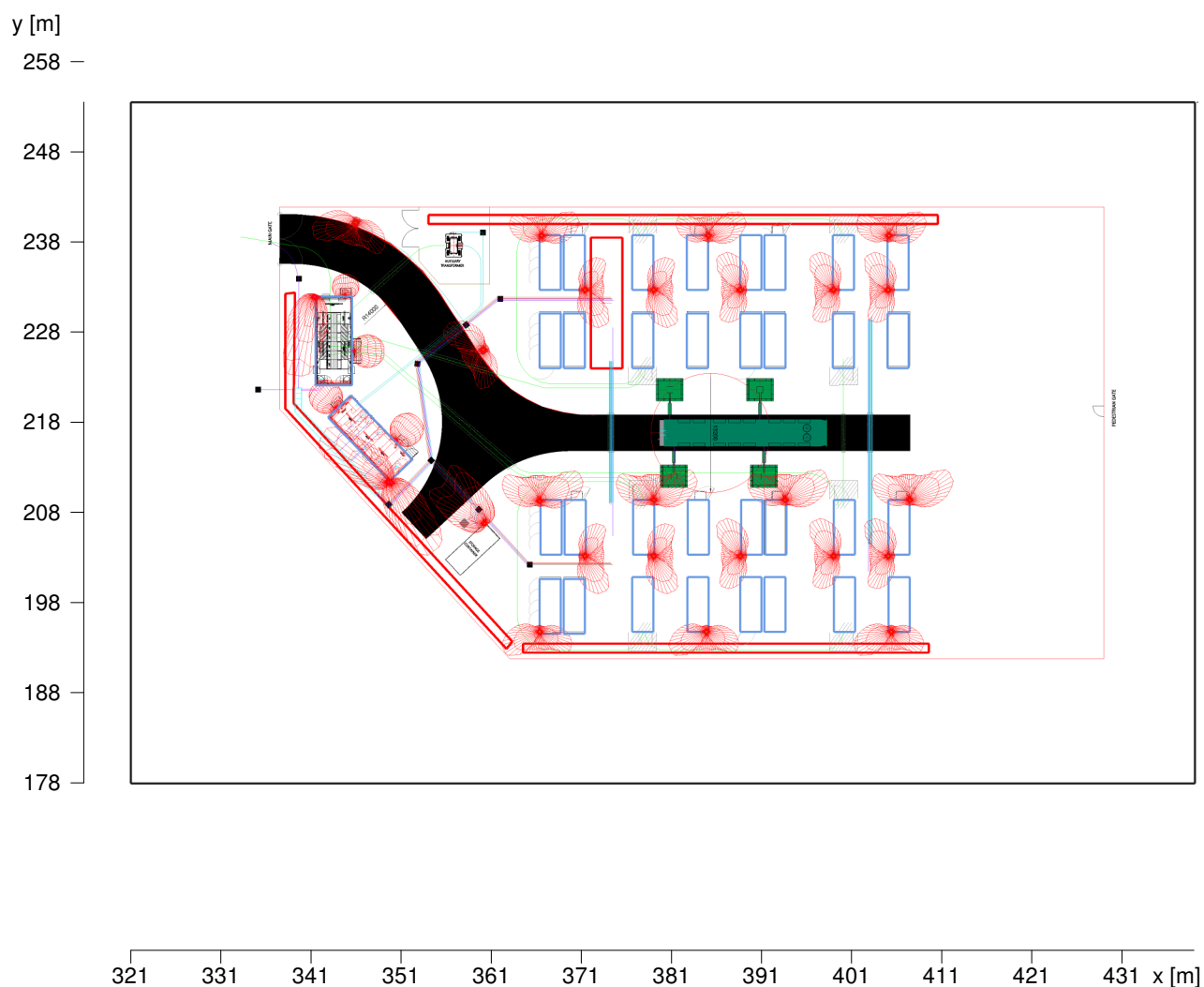
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1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Floor plan

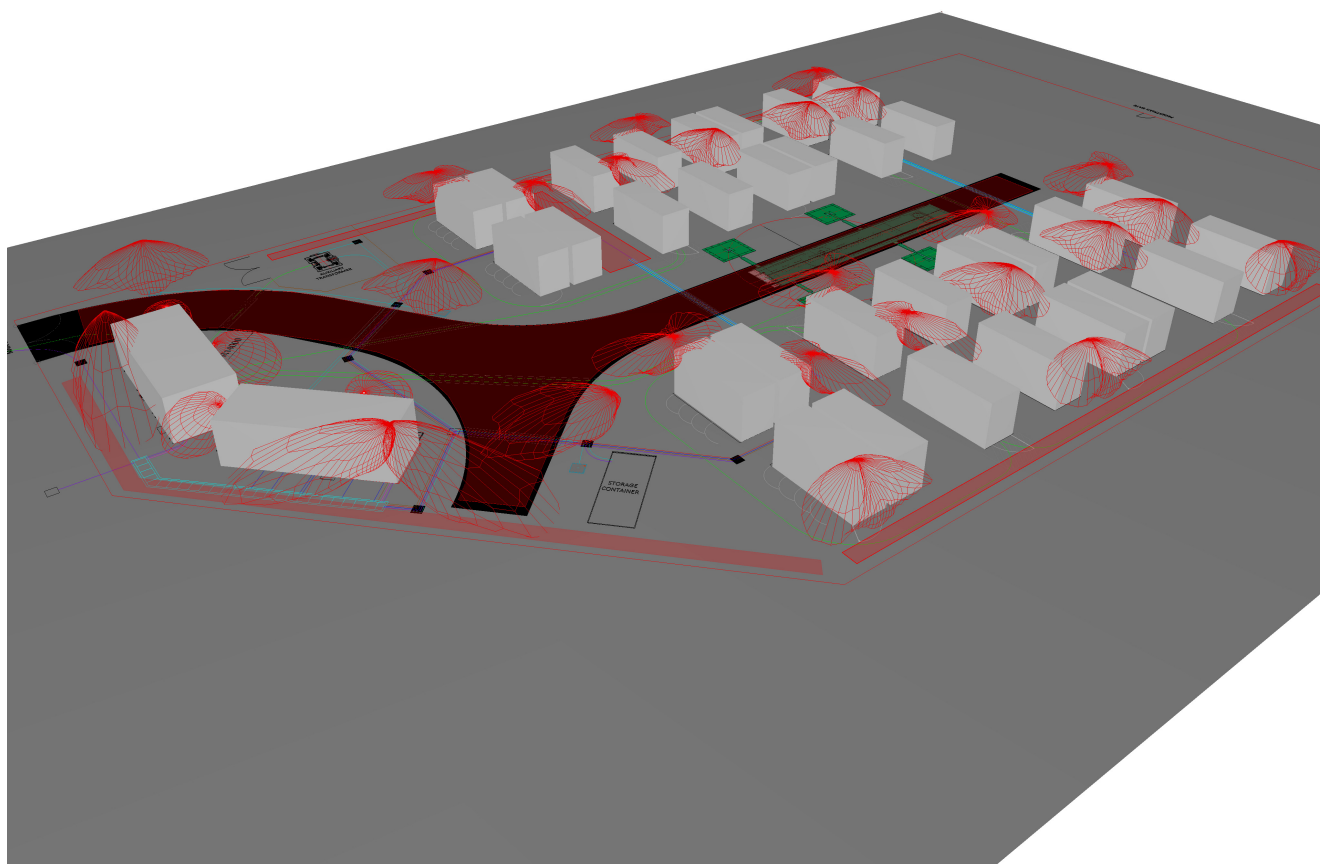


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1.1 Description, Exterior 1

1.1.2 3D view, View 1





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1 Exterior 1

1.2 Summary, Exterior 1

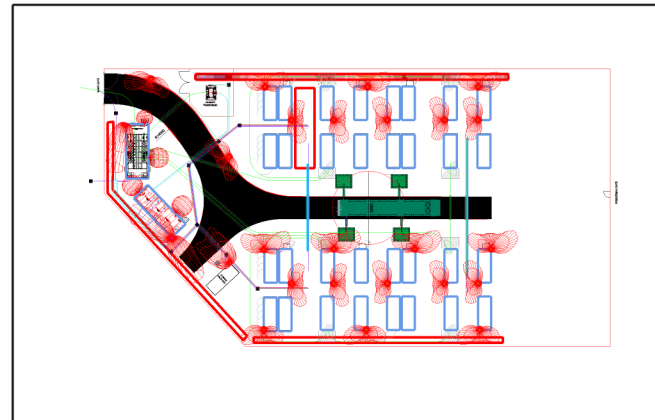
1.2.1 Result overview, Roadway

3 1 x Order No. :
 Luminaire name : LS-CL-FLD-50W-FTBA-NW
Equipment : 1 x 49.9 W / 6721 lm

LED Storm
4 4 x Order No. : LS-CL-FL-10W-4000k-IP44-PIR-B
 Luminaire name : LED Floodlight CCT
Equipment : 1 x 4000K 10.2 W / 898 lm



1.2.2 Result overview, North Fenceline



321 331 341 351 361 371 381 391 401 411 421 431 x [m]



1	22 x		Order No.	:	
			Luminaire name	:	LS-CL-FLD-50W-WBA-NW
			Equipment	:	1 x 49.9 W / 6525 lm
2	3 x		Order No.	:	
			Luminaire name	:	LS-CL-FLD-50W-NBA-NW
			Equipment	:	1 x 50.4 W / 7225 lm

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1.2 Summary, Exterior 1

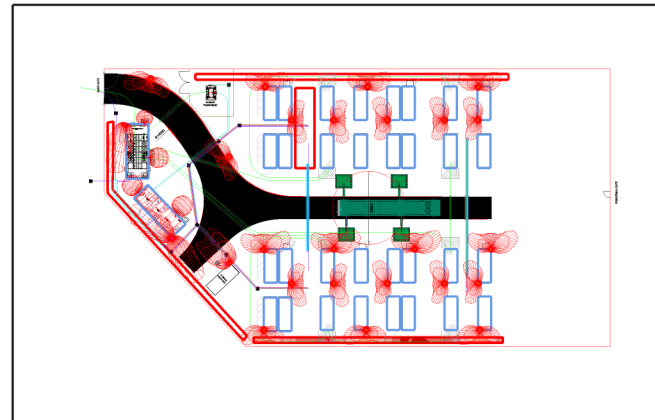
1.2.2 Result overview, North Fenceline

3 1 x Order No. :
 Luminaire name : LS-CL-FLD-50W-FTBA-NW
Equipment : 1 x 49.9 W / 6721 lm

LED Storm
4 4 x Order No. : LS-CL-FL-10W-4000k-IP44-PIR-B
 Luminaire name : LED Floodlight CCT
Equipment : 1 x 4000K 10.2 W / 898 lm



1.2.3 Result overview, South Fenceline



321 331 341 351 361 371 381 391 401 411 421 431 x [m]



0 0.10.150.20.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100150200300500750100015020030050075010001502003005007501000

Illuminance [lx]

Average indirect fraction
0.00 m
0.80

Total luminous flux	175538 lm
Total power	1339.7 W
Total power per area (8909.00 m²)	0.15 W/m²

Average illuminance	$\bar{E}_m$	47 lx
Minimum illuminance	E_{min}	16.0 lx
Maximum illuminance	E_{max}	105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.94 (0.34)
Diversity U_d	E_{min}/E_{max}	1:6.55 (0.15)

1	22 x	Order No.	:	
		Luminaire name	:	LS-CL-FLD-50W-WBA-NW
		Equipment	:	1 x 49.9 W / 6525 lm
2	3 x	Order No.	:	
		Luminaire name	:	LS-CL-FLD-50W-NBA-NW
		Equipment	:	1 x 50.4 W / 7225 lm

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1.2 Summary, Exterior 1

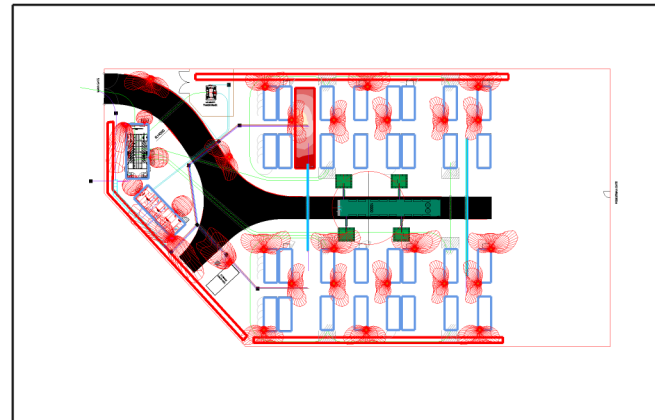
1.2.3 Result overview, South Fenceline

3 1 x Order No. :
 Luminaire name : LS-CL-FLD-50W-FTBA-NW
Equipment : 1 x 49.9 W / 6721 lm

LED Storm
4 4 x Order No. : LS-CL-FL-10W-4000k-IP44-PIR-B
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Equipment : 1 x 4000K 10.2 W / 898 lm



1.2.4 Result overview, Between Containers



321 331 341 351 361 371 381 391 401 411 421 431 x [m]



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1.2 Summary, Exterior 1

1.2.4 Result overview, Between Containers

3 1 x Order No. :
 Luminaire name : LS-CL-FLD-50W-FTBA-NW
Equipment : 1 x 49.9 W / 6721 lm

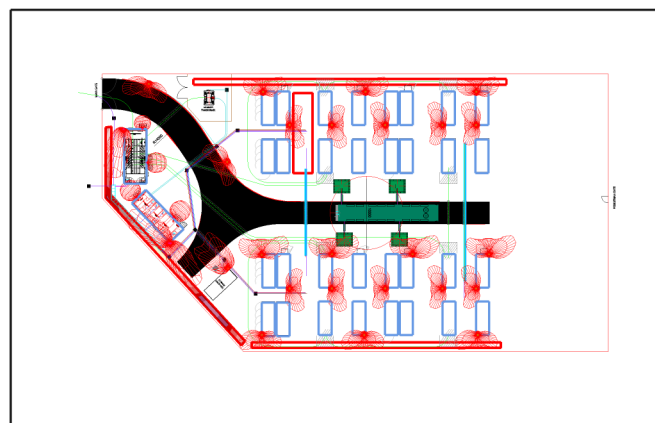
LED Storm
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 Luminaire name : LED Floodlight CCT
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1.2 Summary, Exterior 1

1.2.5 Result overview, West Fenceline



321 331 341 351 361 371 381 391 401 411 421 431 x [m]



0 0.10.150.20.30.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100150200300500750 000502003005007500
 Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80

Total luminous flux	175538 lm
Total power	1339.7 W
Total power per area (8909.00 m²)	0.15 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	37 lx
Minimum illuminance	E_{min}	7.75 lx
Maximum illuminance	E_{max}	95 lx
Uniformity U_0	$E_{min}/\bar{E}_m$	1:4.78 (0.21)
Diversity U_d	E_{min}/E_{max}	1:12.3 (0.08)

Type No.\Make

- | | |
|---|--|
| LED STORM | |
| 1 | 22 x |
|  | Order No. :
Luminaire name : LS-CL-FLD-50W-WBA-NW
Equipment : 1 x 49.9 W / 6525 lm |
| 2 | 3 x |
|  | Order No. :
Luminaire name : LS-CL-FLD-50W-NBA-NW
Equipment : 1 x 50.4 W / 7225 lm |

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1.2 Summary, Exterior 1

1.2.5 Result overview, West Fenceline

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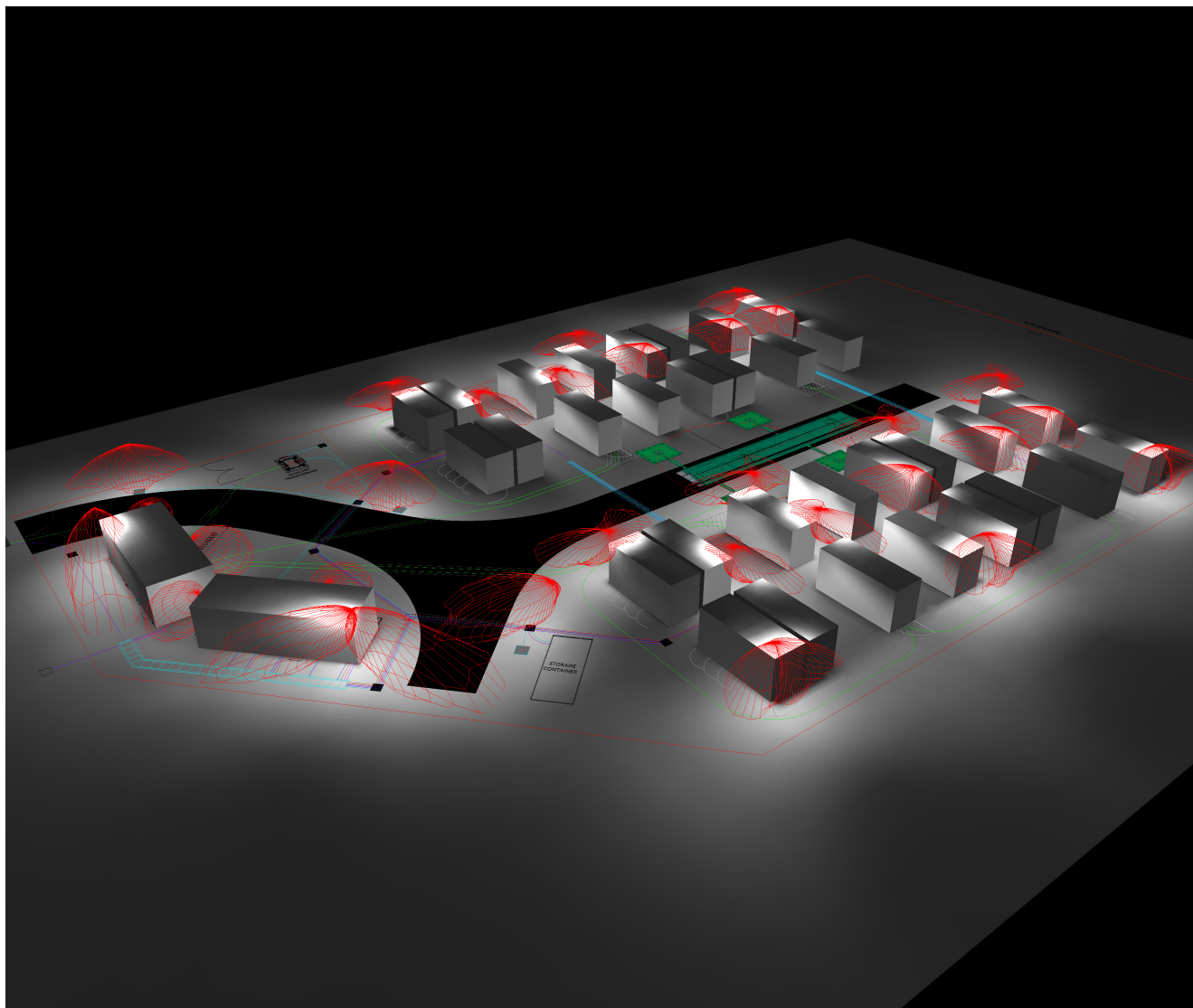
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1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²

Maximum: : 240 cd/m²

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1.3 Calculation results, Exterior 1

1.3.2 3D pseudo colours, View 1 (E)

