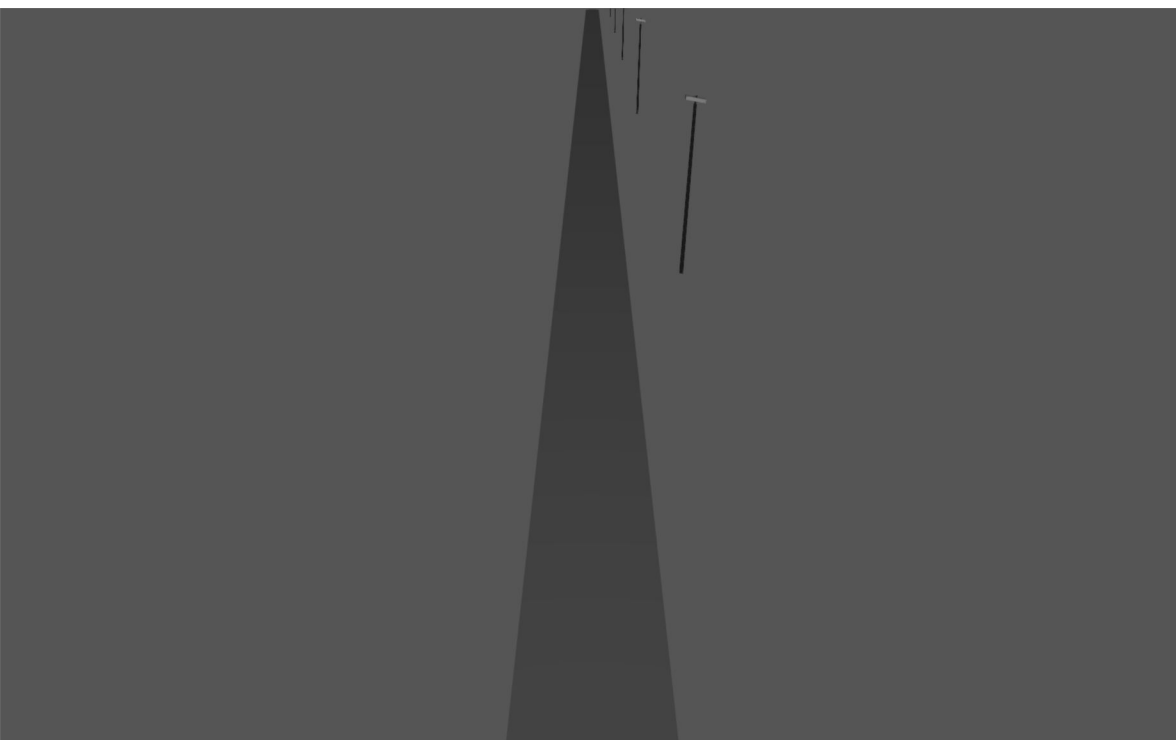




Nordeku parks

Content

Cover page	1
Content	2
Images	3

Product data sheets

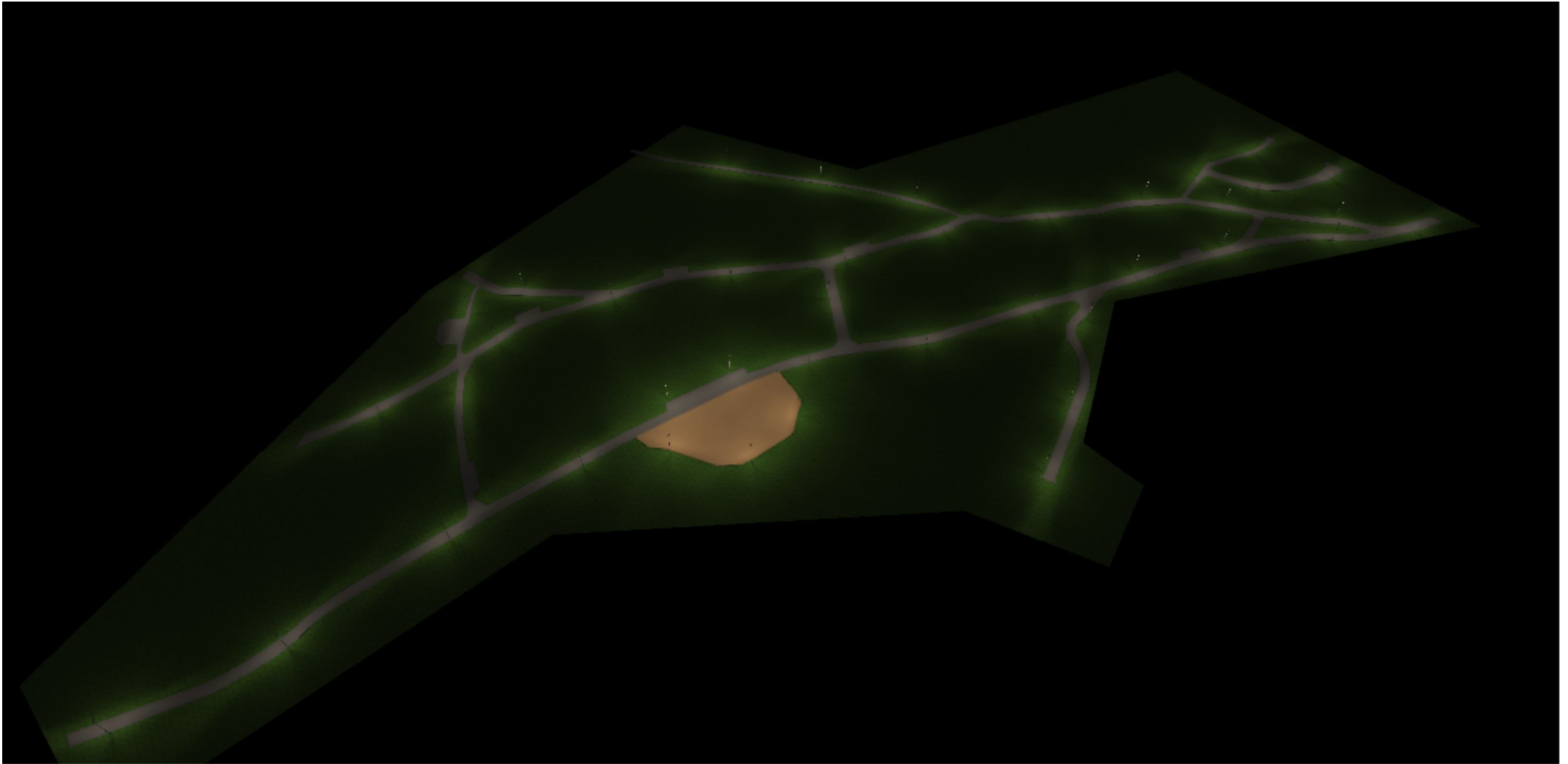
Not yet a DIALux member - SRL 025 740 L94 B016_Bin-N8_TH (1x 16 LEDs bin N8)	16
Not yet a DIALux member - SRL 070 740 L35 B048_Bin-N8_TH (1x 48 LEDs bin N8)	17

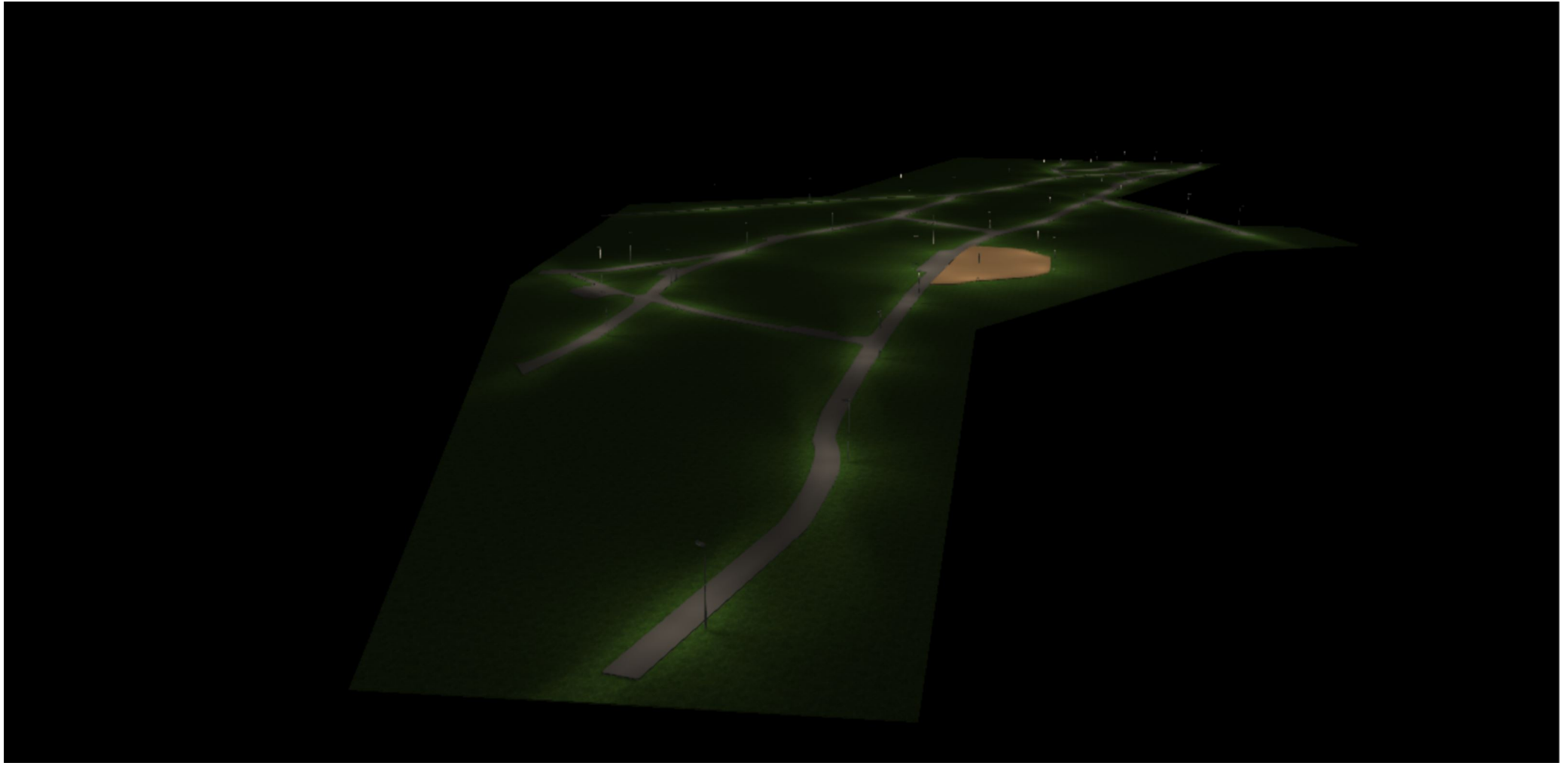
Site 1

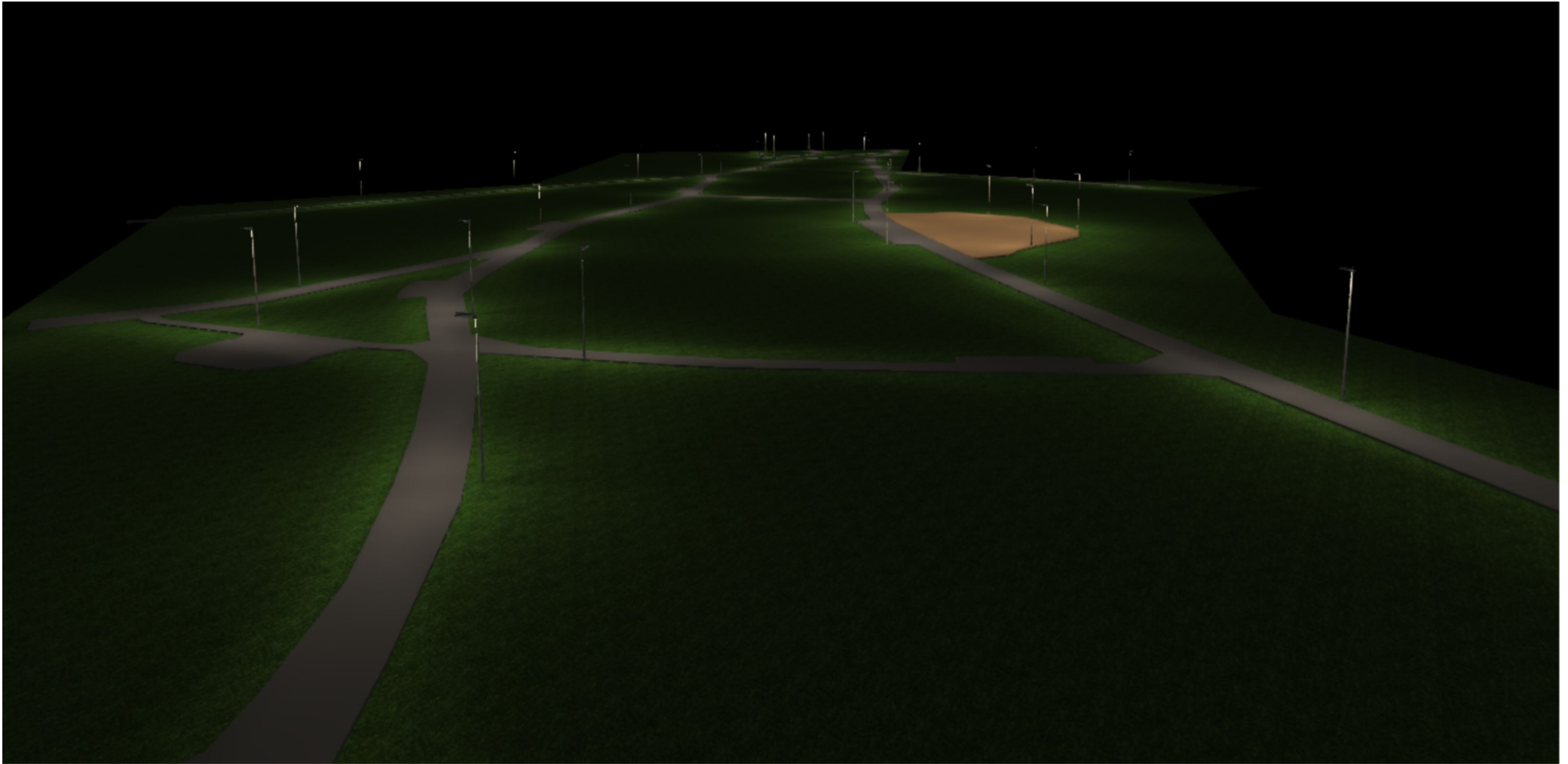
Luminaire layout plan	18
Luminaire list	22
Calculation objects / Light scene 1	23
Surface result object 2 / Light scene 1 / Perpendicular illuminance (adaptive)	25
Surface result object 2 / Light scene 1 / Luminance	26
Spēļu laukums / Light scene 1 / Perpendicular illuminance	27

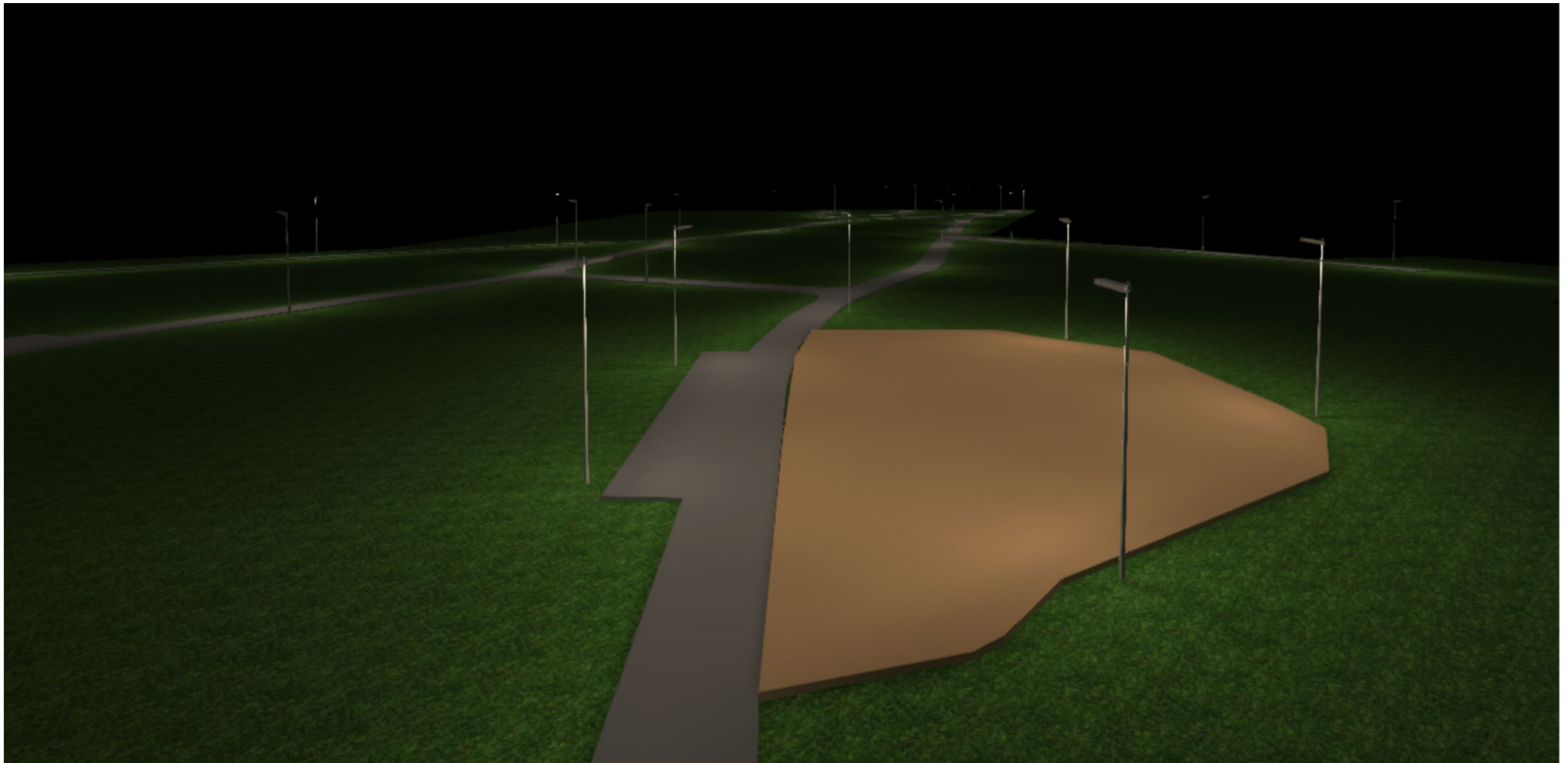
Street 1 · Alternative 1

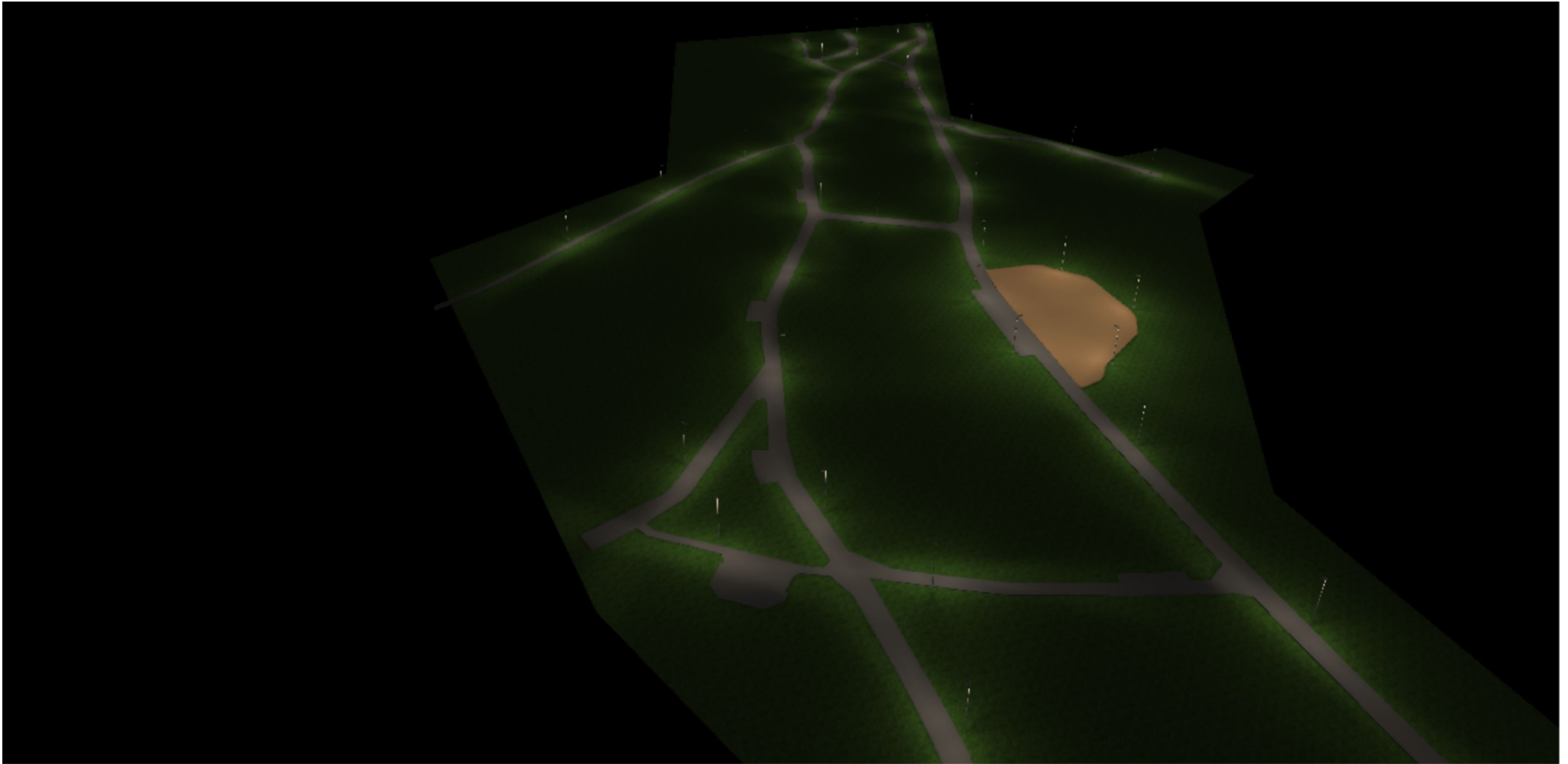
Summary (according to EN 13201:2015)	28
Sidewalk 1 (C4)	32

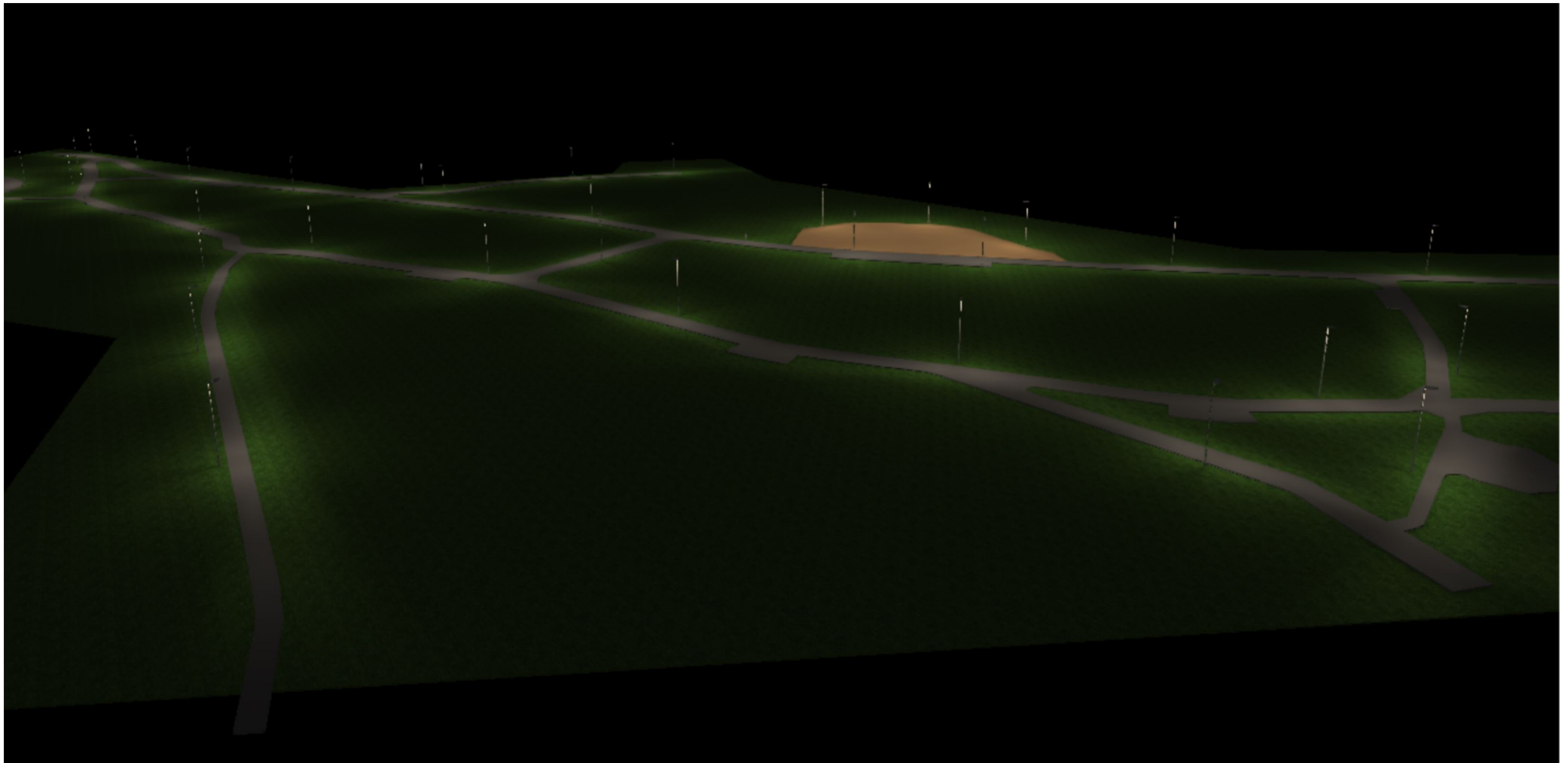


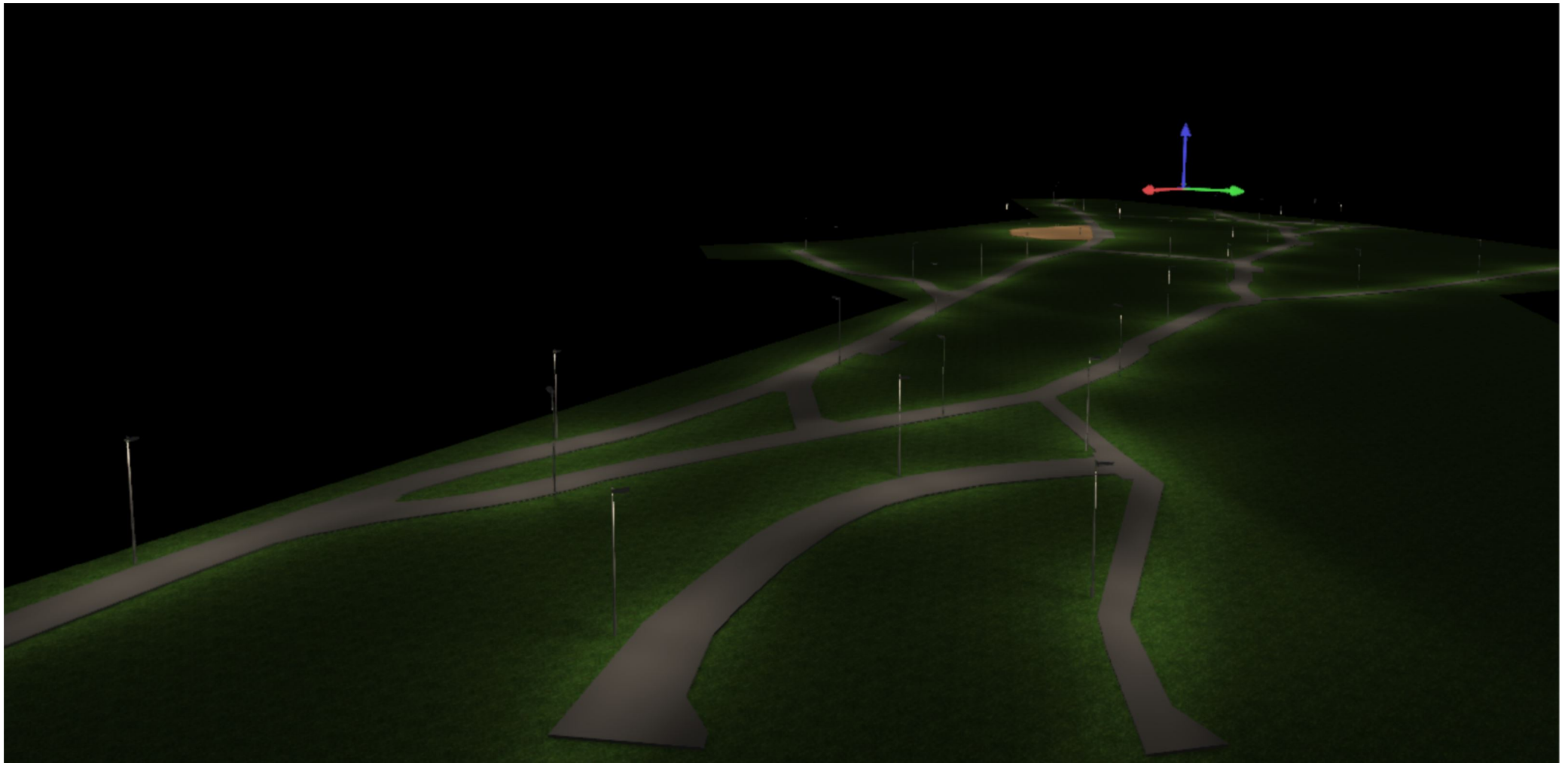


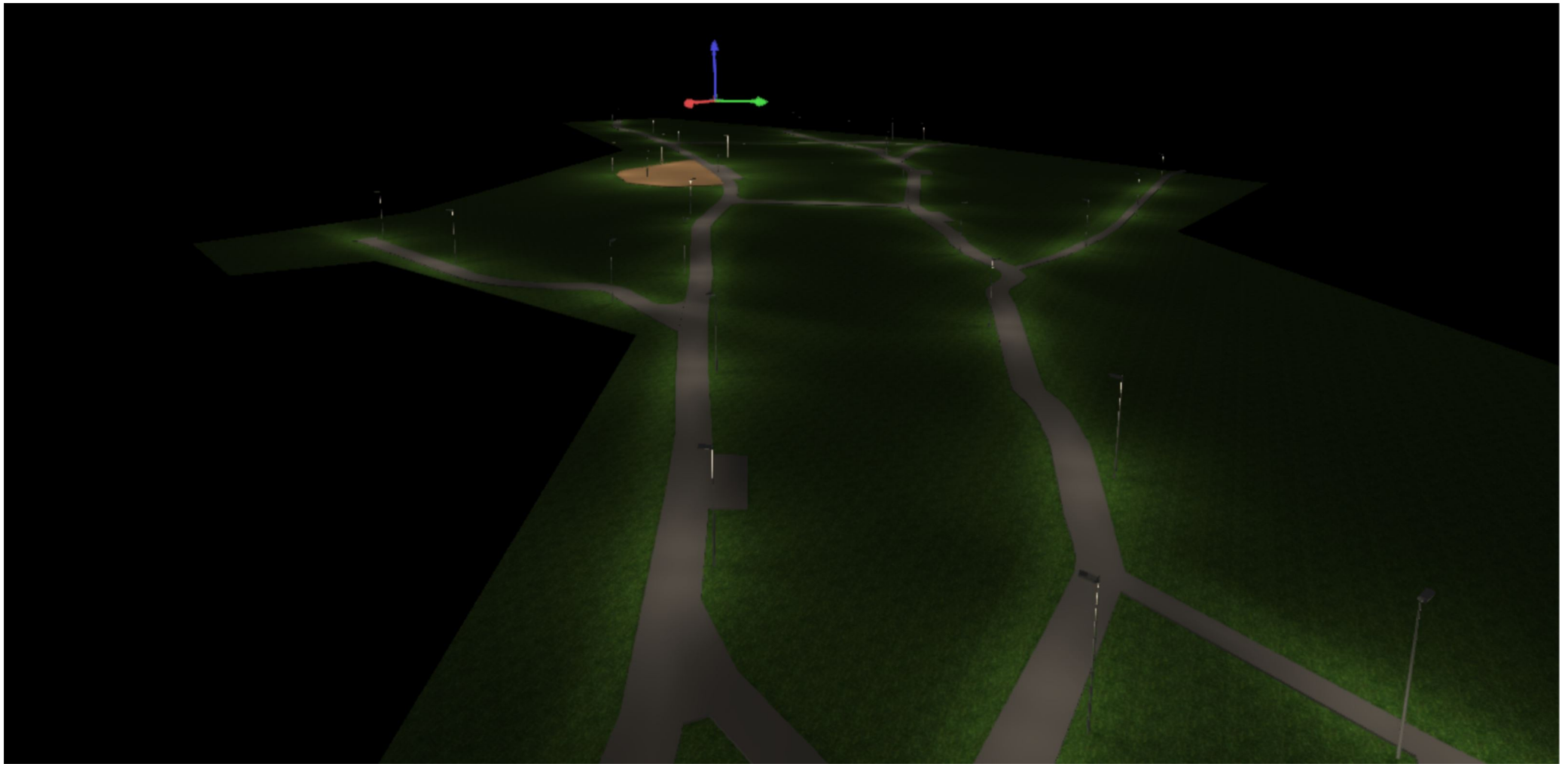


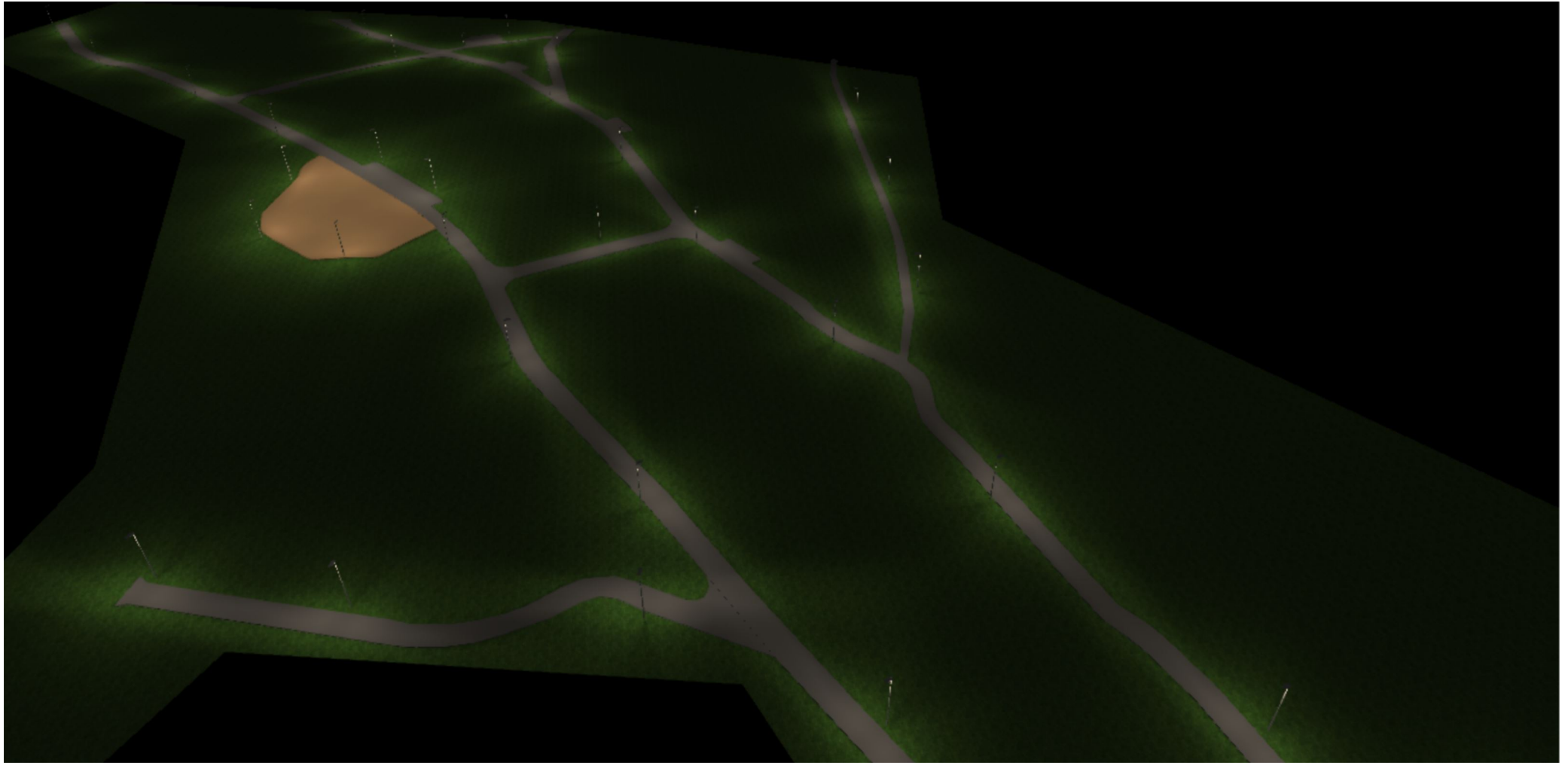


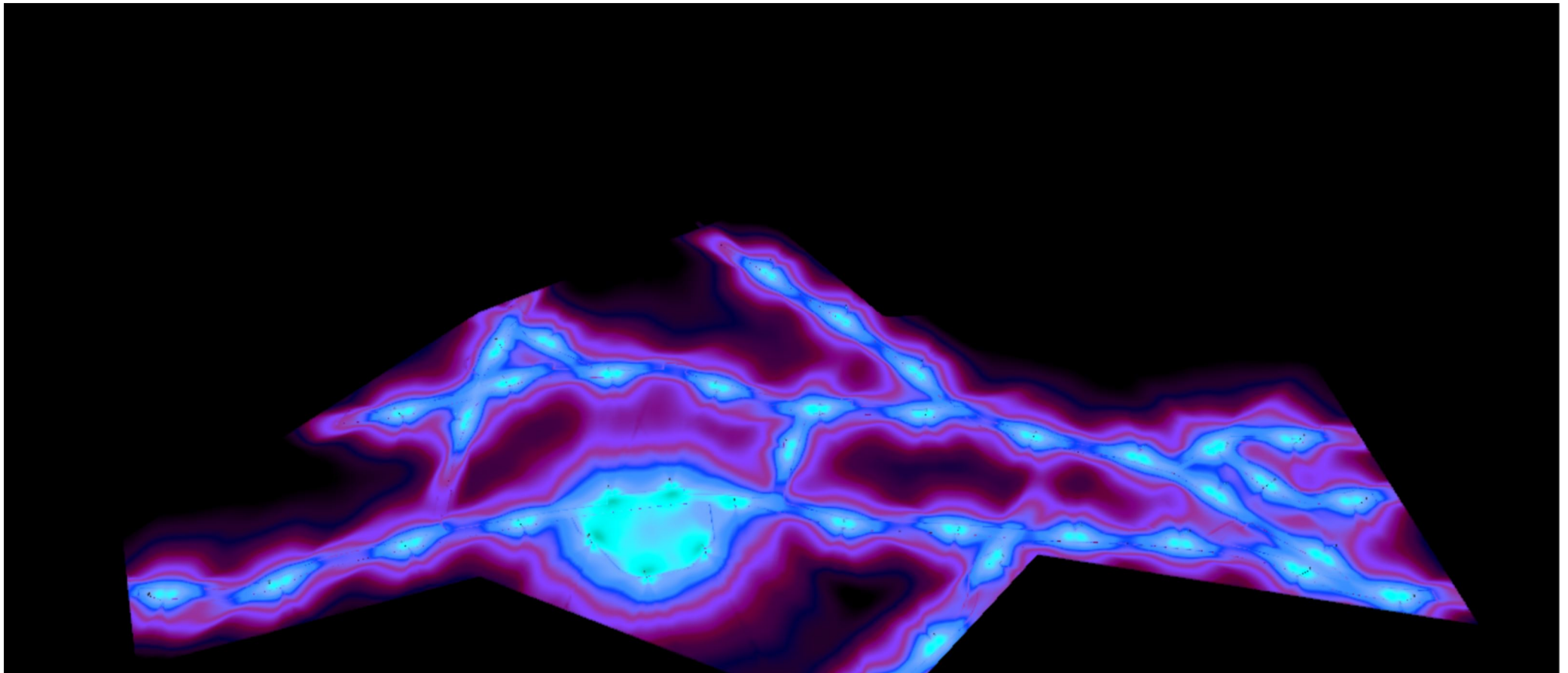
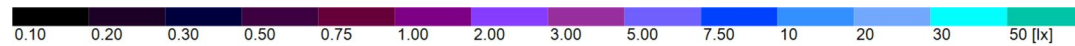


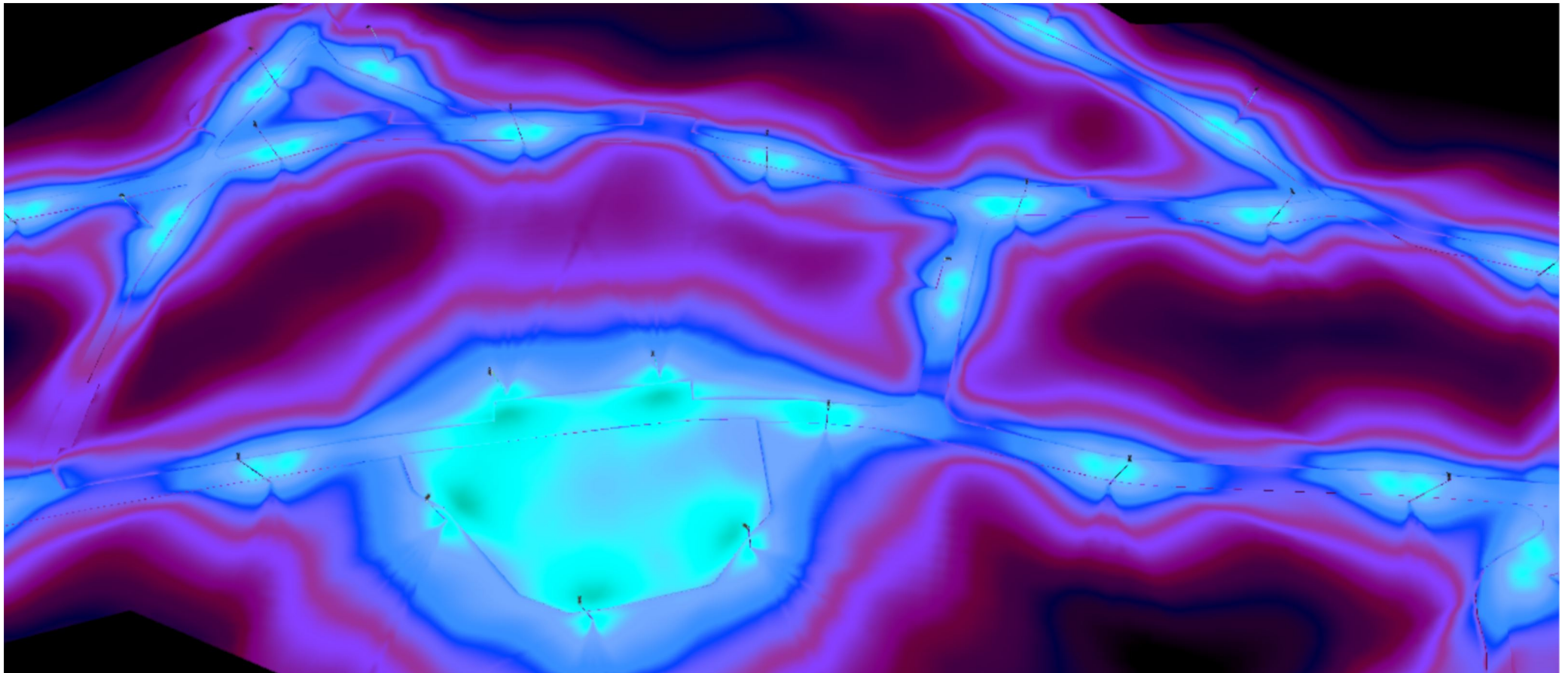
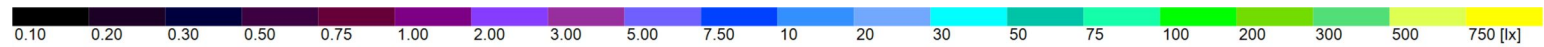


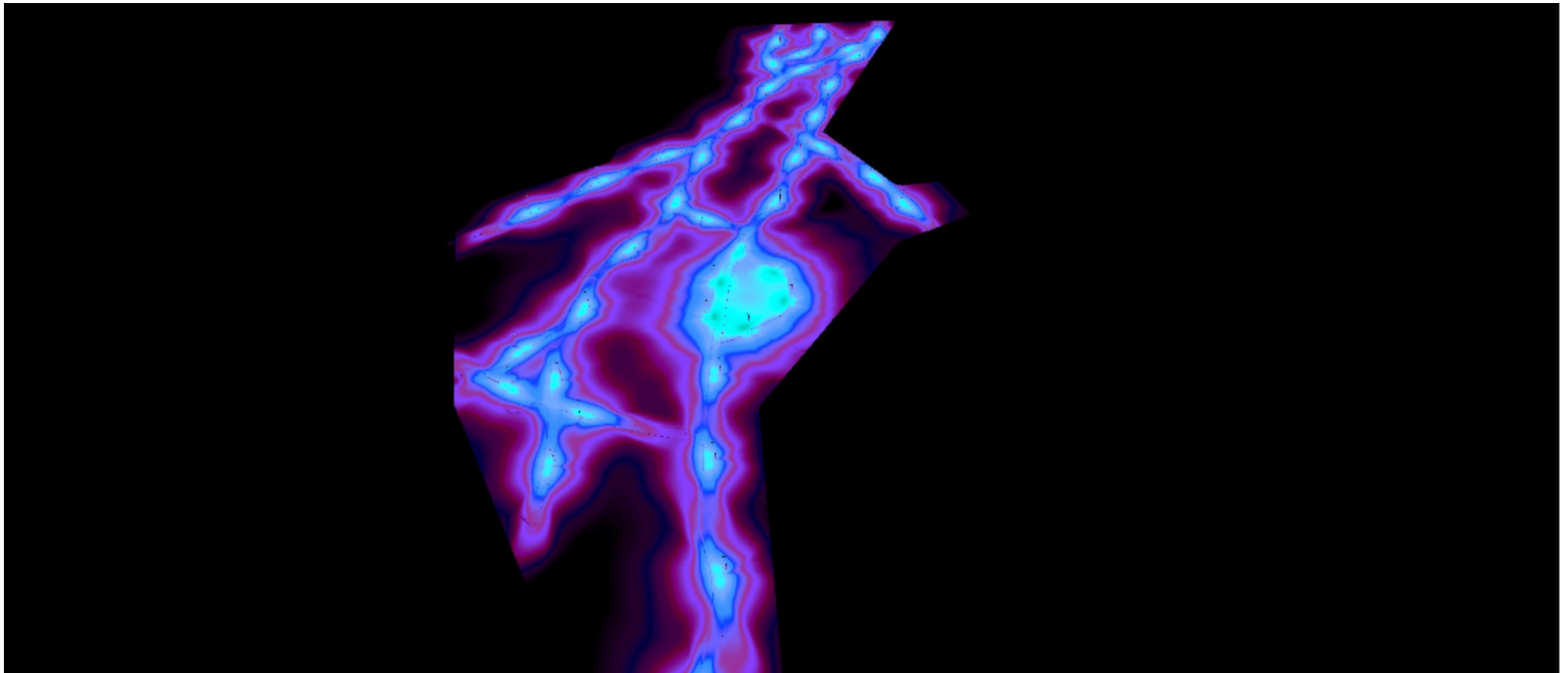
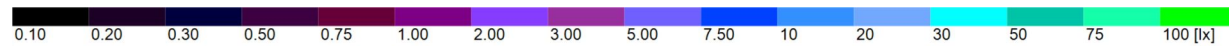


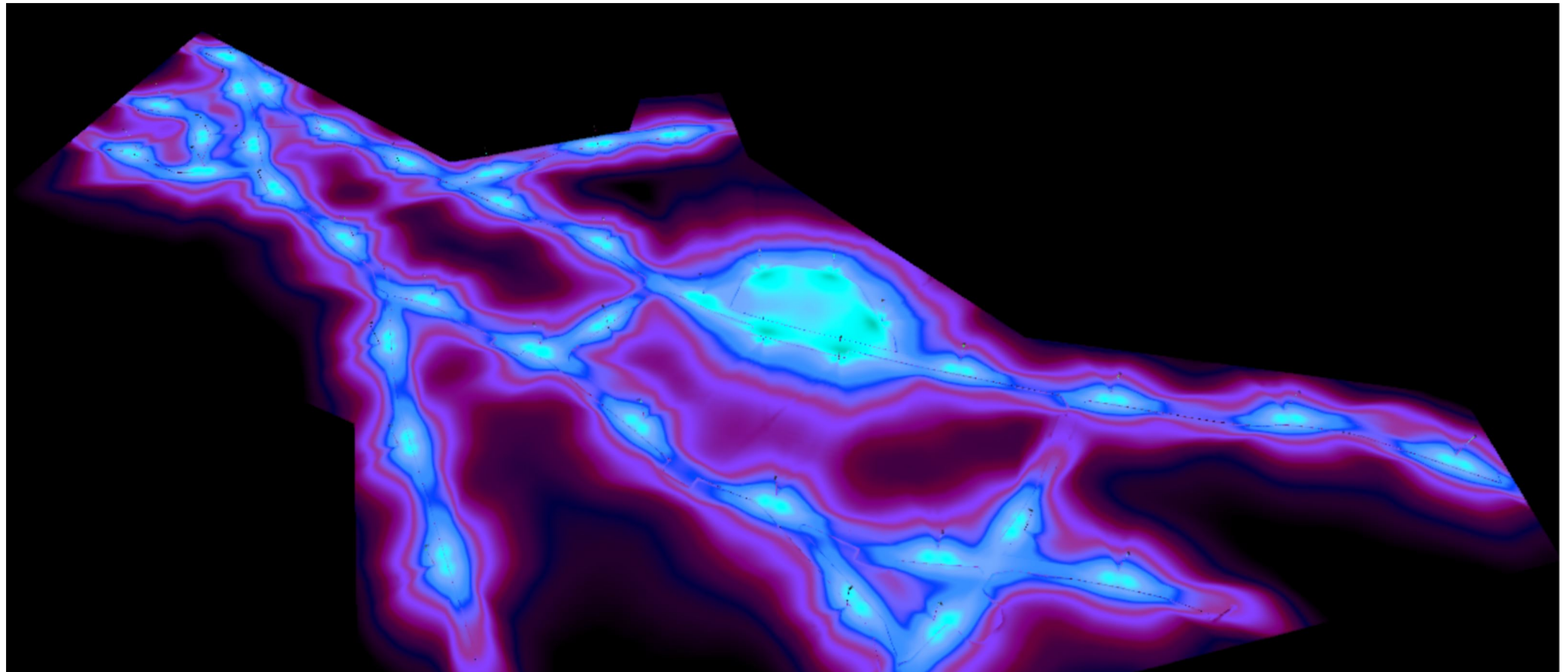
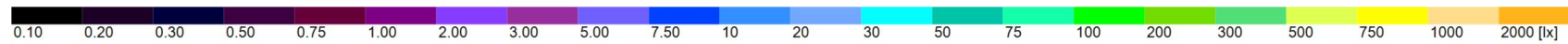






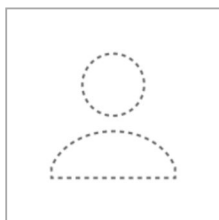




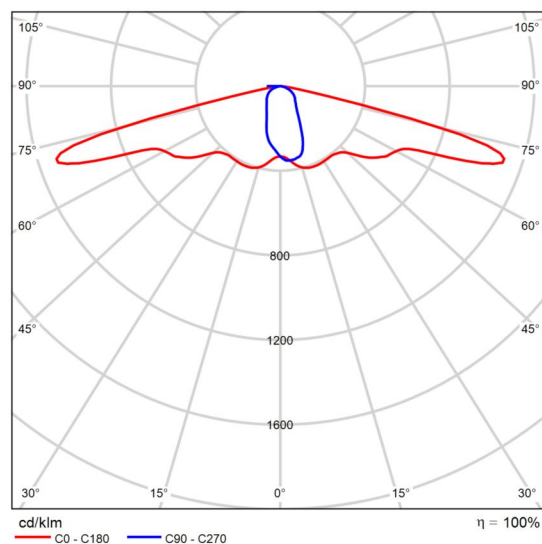


Product data sheet

Not yet a DIALux member - SRL 025 740 L94 B016_Bin-N8_TH



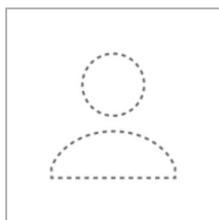
Article No.	Stork Little Brother 25 W 16 LEDs
P	25.0 W
Φ_{Lamp}	3448 lm
$\Phi_{\text{Luminaire}}$	3448 lm
η	100.00 %
Luminous efficacy	137.9 lm/W
CCT	4000 K
CRI	70



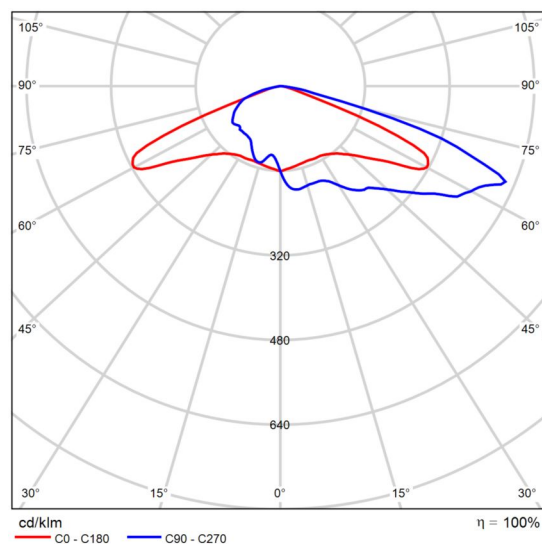
Polar LDC

Product data sheet

Not yet a DIALux member - SRL 070 740 L35 B048_Bin-N8_TH



Article No.	Stork Little Brother 70 W 48 LEDs
P	70.0 W
Φ_{Lamp}	9982 lm
$\Phi_{\text{Luminaire}}$	9982 lm
η	100.00 %
Luminous efficacy	142.6 lm/W
CCT	4000 K
CRI	70



Polar LDC

Site 1

Luminaire layout plan



Site 1

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	25.0 W
Article No.	Stork Little Brother 25 W 16 LEDs	$\Phi_{\text{Luminaire}}$	3448 lm
Article name	SRL 025 740 L94 B016_Bin-N8_TH		
Fitting	1x 16 LEDs bin N8		

Individual luminaires

X	Y	Mounting height	Luminaire
106.422 m	26.443 m	6.000 m	1
127.747 m	43.985 m	6.000 m	2
146.832 m	68.086 m	6.000 m	3
166.549 m	87.705 m	6.000 m	4
133.424 m	100.548 m	6.000 m	5
119.965 m	92.626 m	6.000 m	6
137.390 m	114.832 m	6.000 m	7
159.051 m	132.208 m	6.000 m	8
184.975 m	144.678 m	6.000 m	9
209.180 m	141.215 m	6.000 m	10
211.460 m	154.363 m	6.000 m	11
235.176 m	168.527 m	6.000 m	12
261.552 m	178.372 m	6.000 m	13

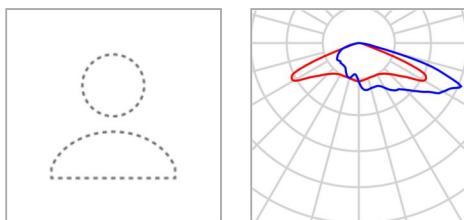
Site 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
286.445 m	190.796 m	6.000 m	14
307.227 m	192.402 m	6.000 m	15
353.437 m	189.725 m	6.000 m	16
331.142 m	182.582 m	6.000 m	17
303.945 m	175.428 m	6.000 m	18
281.410 m	162.544 m	6.000 m	19
256.927 m	145.361 m	6.000 m	20
232.850 m	131.394 m	6.000 m	21
207.627 m	121.161 m	6.000 m	22
128.044 m	122.262 m	6.000 m	26
136.757 m	132.261 m	6.000 m	27
303.535 m	202.460 m	6.000 m	28
318.903 m	215.481 m	6.000 m	29
337.175 m	207.451 m	6.000 m	30
316.700 m	199.834 m	6.000 m	31
334.644 m	191.619 m	6.000 m	32
227.175 m	180.471 m	6.000 m	33
201.341 m	183.455 m	6.000 m	34
175.537 m	184.564 m	6.000 m	35
269.137 m	144.983 m	6.000 m	36
264.300 m	120.123 m	6.000 m	37
258.544 m	102.552 m	6.000 m	38

Site 1

Luminaire layout plan



Manufacturer	Not yet a DIALux member	P	70.0 W
Article No.	Stork Little Brother 70 W 48 LEDs	$\Phi_{\text{Luminaire}}$	9982 lm
Article name	SRL 070 740 L35 B048_Bin-N8_TH		
Fitting	1x 48 LEDs bin N8		

Individual luminaires

X	Y	Mounting height	Luminaire
207.819 m	107.448 m	6.000 m	23
199.985 m	94.743 m	6.000 m	24
183.304 m	94.282 m	6.000 m	25
179.539 m	106.354 m	6.000 m	39
191.058 m	116.314 m	6.000 m	40

Site 1

Luminaire list

 Φ_{total}

170590 lm

 P_{total}

1225.0 W

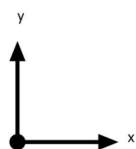
Luminous efficacy

139.3 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
35	Not yet a DIALux member	Stork Little Brother 25 W 16 LEDs	SRL 025 740 L94 B016_Bin-N8_TH	25.0 W	3448 lm	137.9 lm/W
5	Not yet a DIALux member	Stork Little Brother 70 W 48 LEDs	SRL 070 740 L35 B048_Bin-N8_TH	70.0 W	9982 lm	142.6 lm/W

Site 1 (Light scene 1)

Calculation objects



Site 1 (Light scene 1)

Calculation objects

Surface result objects

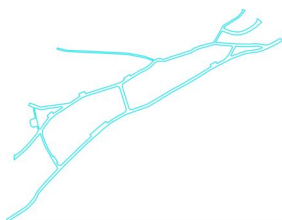
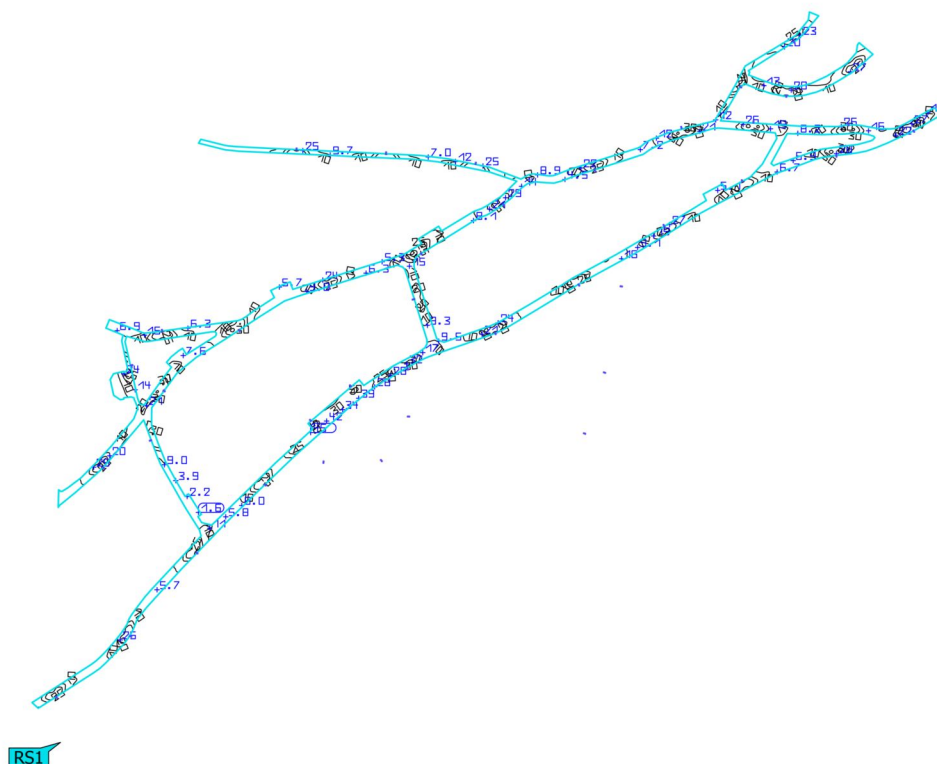
Properties	Ø	min	max	g ₁	g ₂	Index
Surface result object 2 Perpendicular illuminance (adaptive) Height: 0.100 m	16.2 lx	0.15 lx	54.6 lx	0.009	0.003	RS1
Surface result object 2 Luminance Height: 0.100 m	1.03 cd/m ²	0.010 cd/m ²	3.48 cd/m ²	0.010	0.003	RS1

Calculation surfaces

Properties	Ē	E _{min}	E _{max}	g ₁	g ₂	Index
Spēļu laukums Perpendicular illuminance Height: 0.150 m	34.8 lx	24.5 lx	56.2 lx	0.70	0.44	CG1

Utilization profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

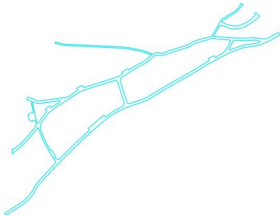
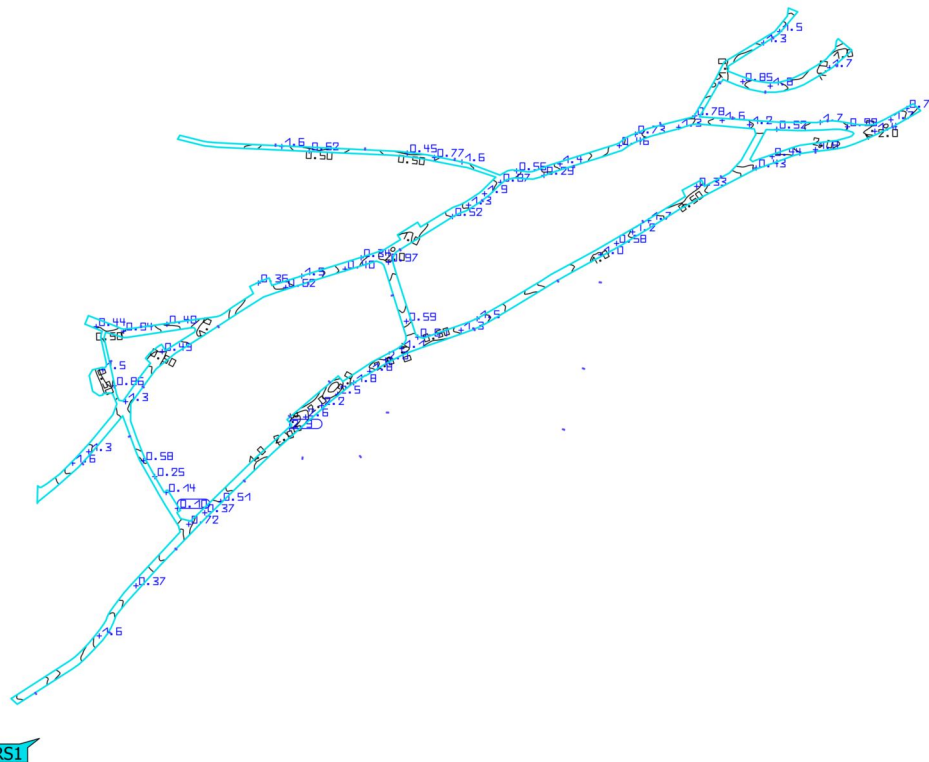
Site 1 (Light scene 1)

Surface result object 2

Properties	$\bar{E}$	E_{min}	E_{max}	g_1	g_2	Index
Surface result object 2	16.2 lx	0.15 lx	54.6 lx	0.009	0.003	RS1
Perpendicular illuminance (adaptive)						
Height: 0.100 m						

Utilization profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

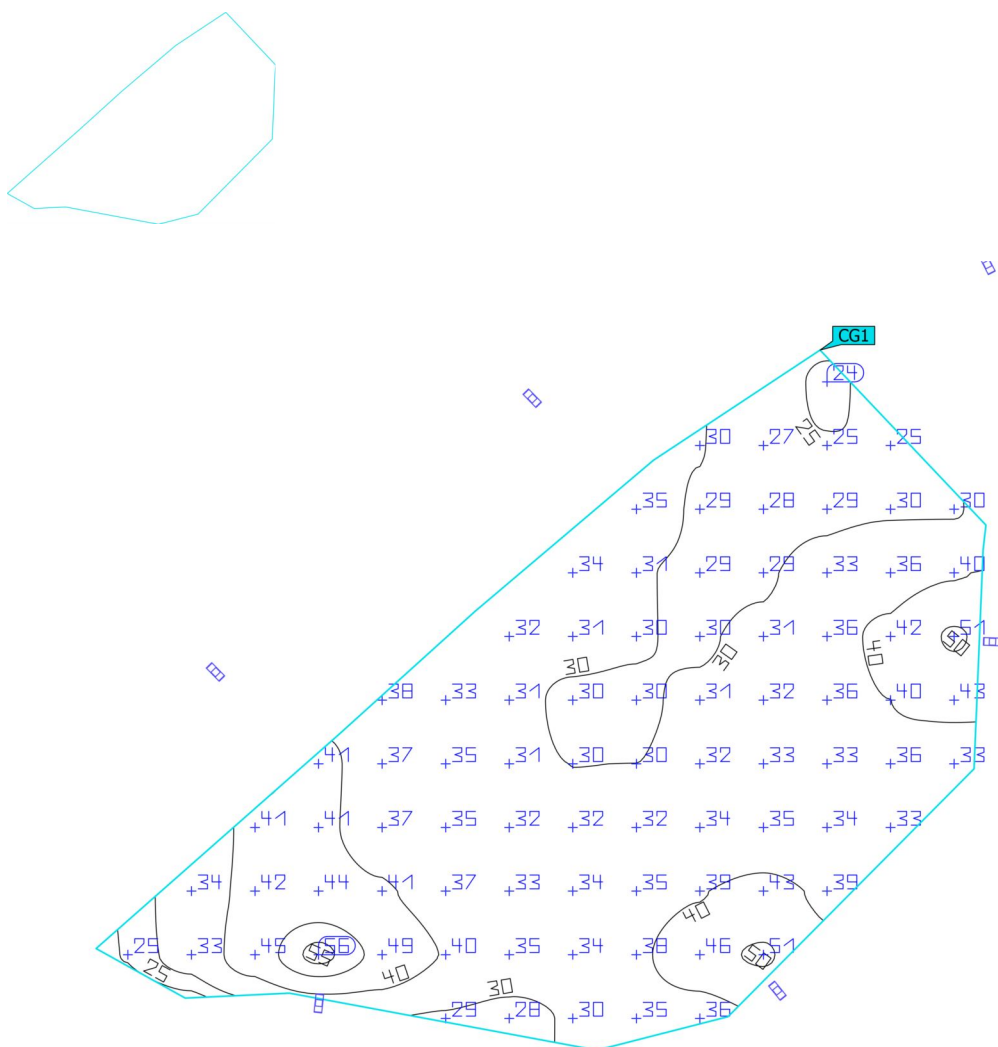
Site 1 (Light scene 1)

Surface result object 2

Properties	Ø	min	max	g ₁	g ₂	Index
Surface result object 2	1.03 cd/m ²	0.010 cd/m ²	3.48 cd/m ²	0.010	0.003	RS1
Luminance						
Height: 0.100 m						

Utilization profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

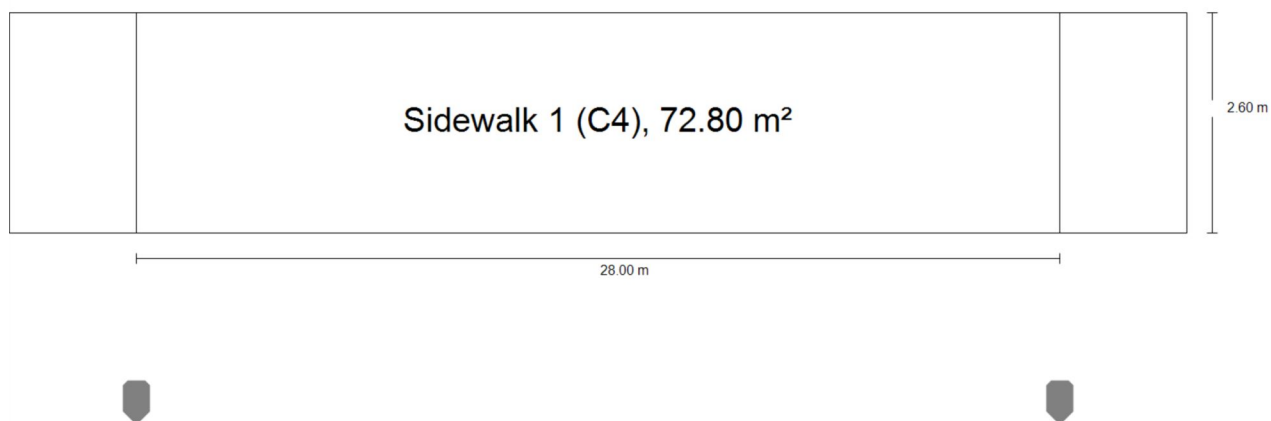
Spēļu laukums

Properties	$\bar{E}$	E_{min}	E_{max}	g_1	g_2	Index
Spēļu laukums Perpendicular illuminance Height: 0.150 m	34.8 lx	24.5 lx	56.2 lx	0.70	0.44	CG1

Utilization profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

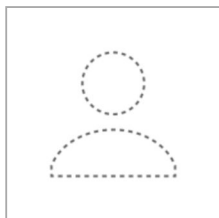
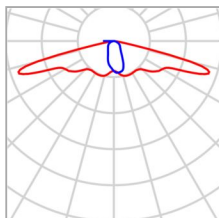
Street 1

Summary (according to EN 13201:2015)



Street 1

Summary (according to EN 13201:2015)



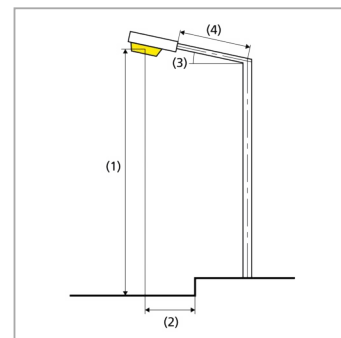
Manufacturer	Not yet a DIALux member	P	25.0 W
Article No.	Stork Little Brother 25 W 16 LEDs	Φ_{Lamp}	3448 lm
Article name	SRL 025 740 L94 B016_Bin-N8_TH	$\Phi_{\text{Luminaire}}$	3448 lm
Fitting	1x 16 LEDs bin N8	η	100.00 %

Street 1

Summary (according to EN 13201:2015)

SRL 025 740 L94 B016_Bin-N8_TH (single side bottom)

Pole distance	28.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	-2.000 m
(3) Boom inclination	10.0°
(4) Boom length	0.000 m
Annual operating hours	4000 h: 100.0 %, 25.0 W
Consumption	900.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 1108 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 265 cd/klm ≥ 90°: 9.25 cd/klm
Luminous intensity class	–
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.5
MF	0.80



Results for valuation fields

A maintenance factor of 0.80 was used for calculating for the installation.

	Symbol	Calculated	Target	Check
Sidewalk 1 (C4)	E_{av}	10.91 lx	≥ 10.00 lx	✓
	U_o	0.44	≥ 0.40	✓

Street 1

Summary (according to EN 13201:2015)

Results for energy efficiency indicators

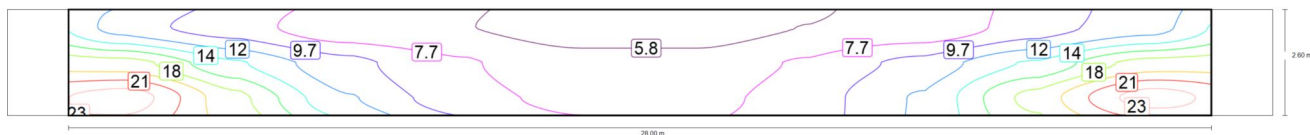
	Symbol	Calculated	Consumption
Street 1	D_p	0.031 W/lx*m ²	–
SRL 025 740 L94 B016_Bin-N8_TH (single side bottom)	D_e	1.4 kWh/m ² yr	100.0 kWh/yr

Street 1

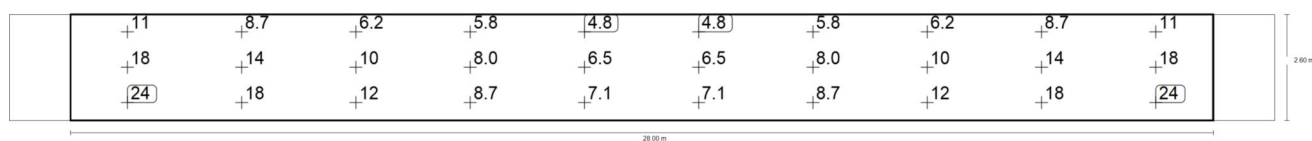
Sidewalk 1 (C4)

Results for valuation field

	Symbol	Calculated	Target	Check
Sidewalk 1 (C4)	E_{av}	10.91 lx	≥ 10.00 lx	✓
	U_o	0.44	≥ 0.40	✓



Maintenance value, horizontal illuminance [lx] (Iso-illuminance curves)



Maintenance value, horizontal illuminance [lx] (Value grid)

m	1.400	4.200	7.000	9.800	12.600	15.400	18.200	21.000	23.800	26.600
2.167	10.87	8.72	6.23	5.83	4.81	4.81	5.83	6.23	8.72	10.87
1.300	18.36	13.87	10.31	7.97	6.51	6.51	7.97	10.31	13.87	18.36
0.433	24.34	18.14	11.83	8.72	7.13	7.13	8.72	11.83	18.14	24.34

Maintenance value, horizontal illuminance [lx] (Value chart)

	E_{av}	E_{min}	E_{max}	g_1	g_2
Maintenance value, horizontal illuminance	10.9 lx	4.81 lx	24.3 lx	0.44	0.20