

timberlab

Daktuin Maastricht 5

Toevoeging extra mast trap zuid

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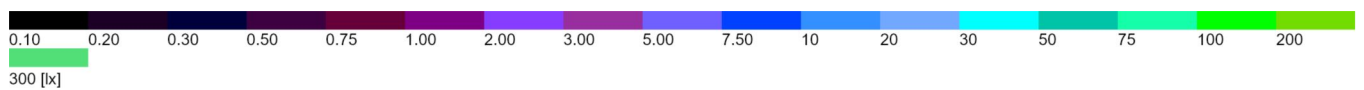
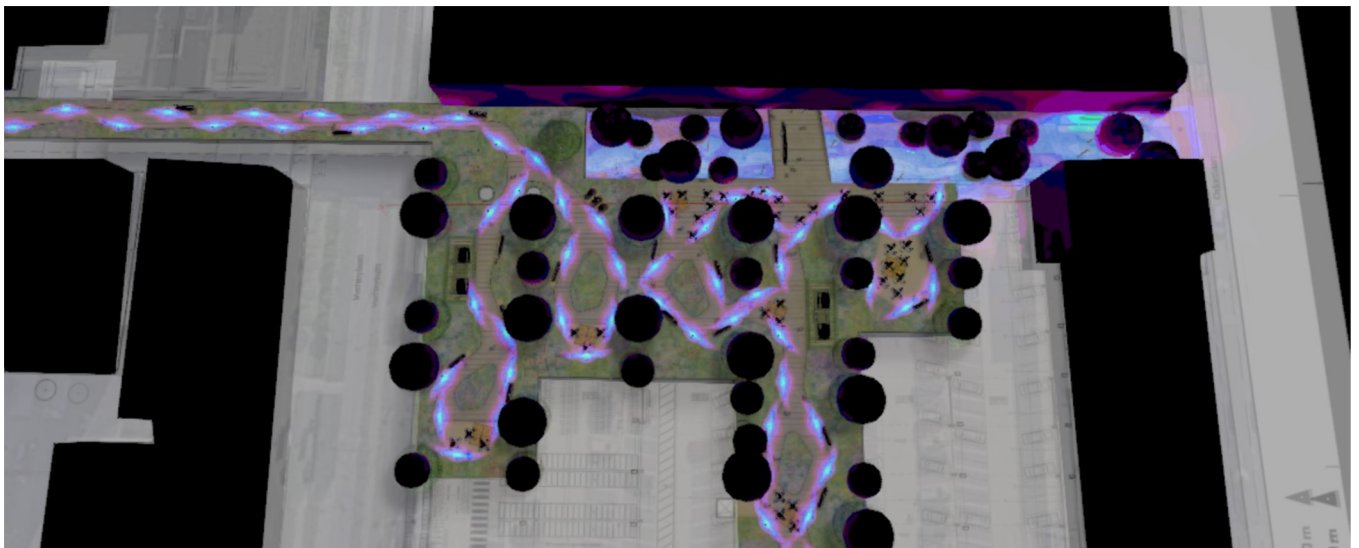
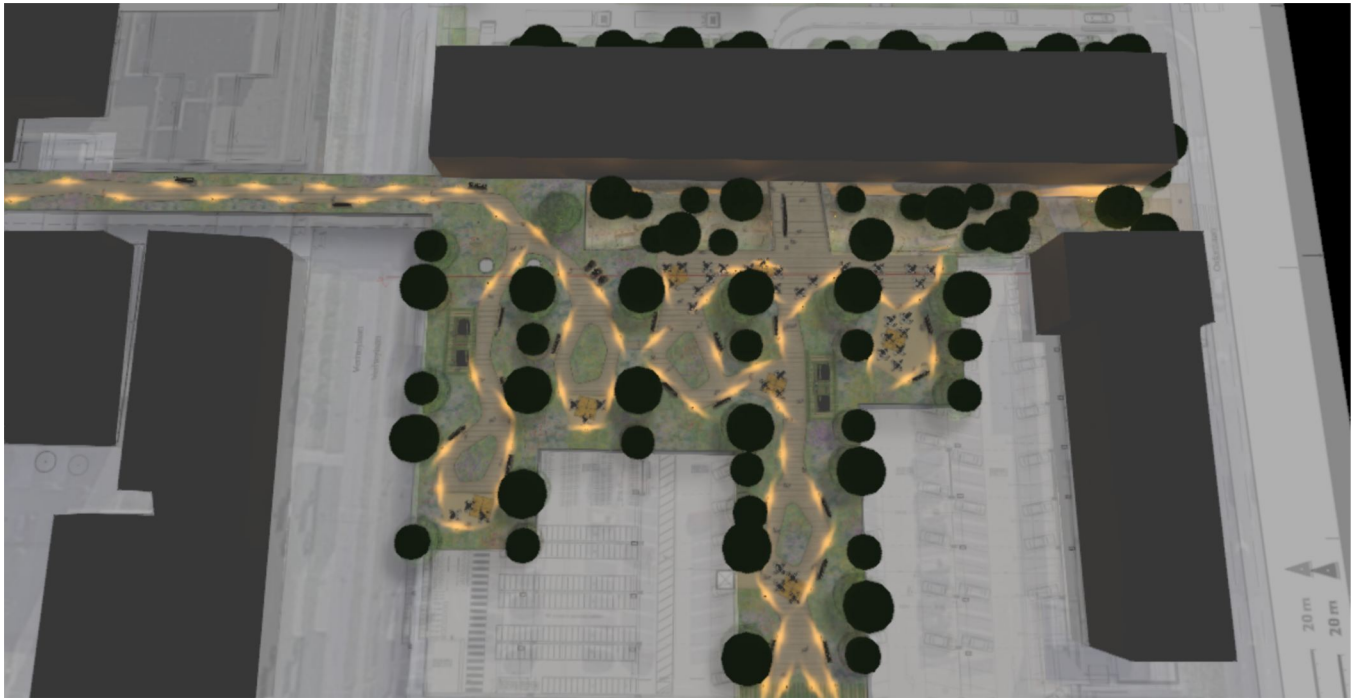
timber**lab**

Sales Engineer
Rutger Hazeleger

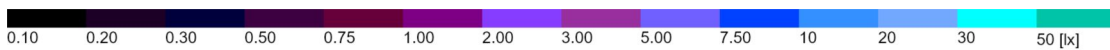
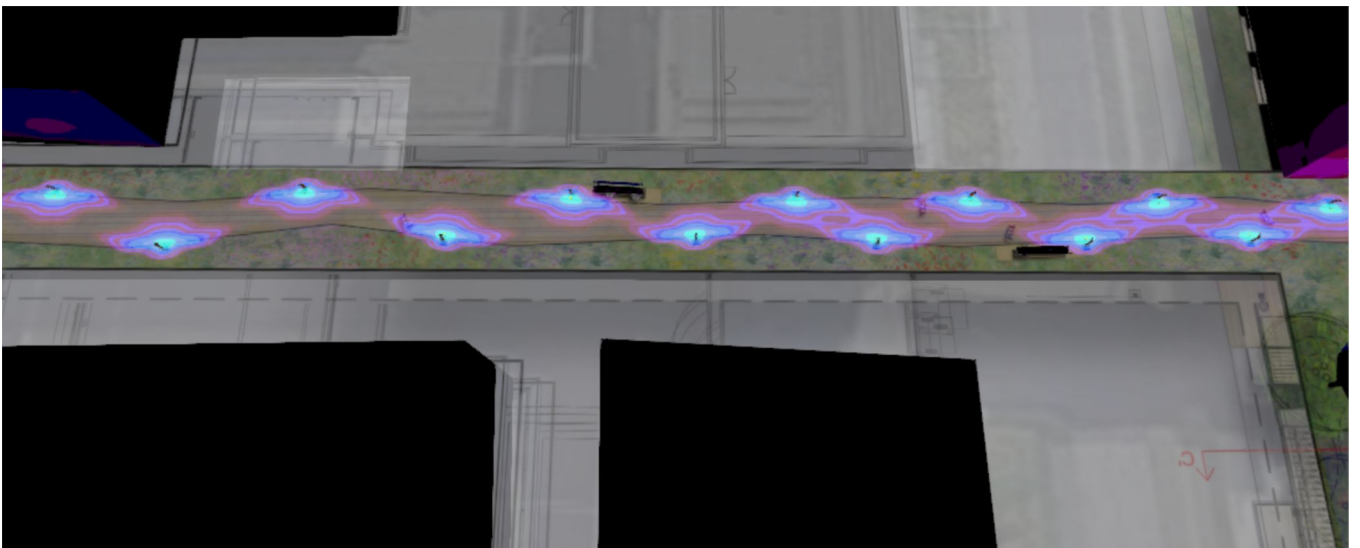
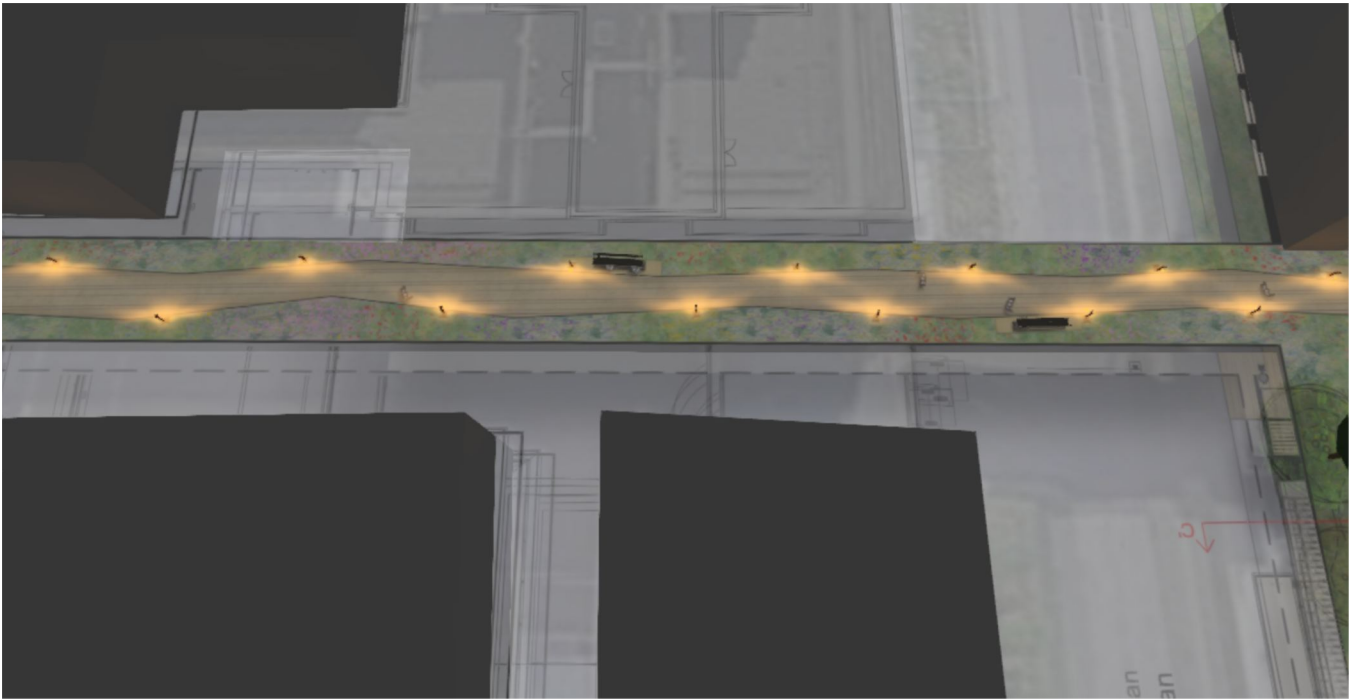
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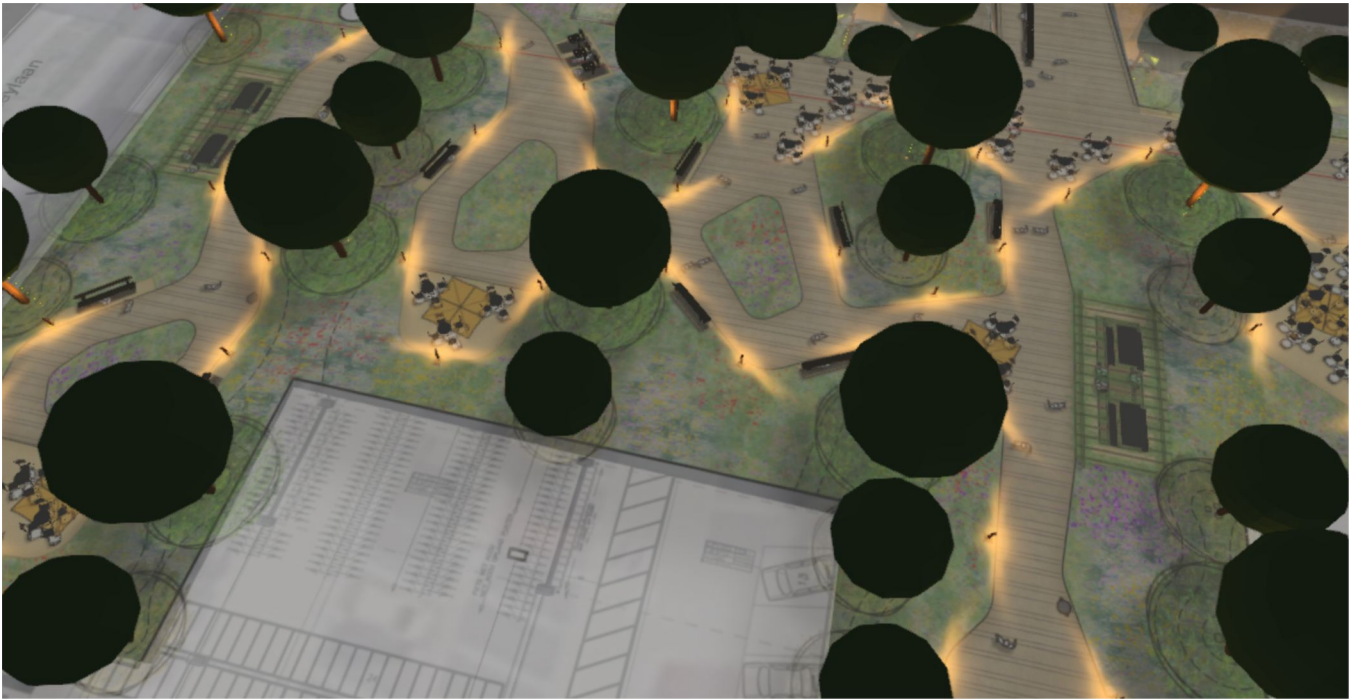
Images



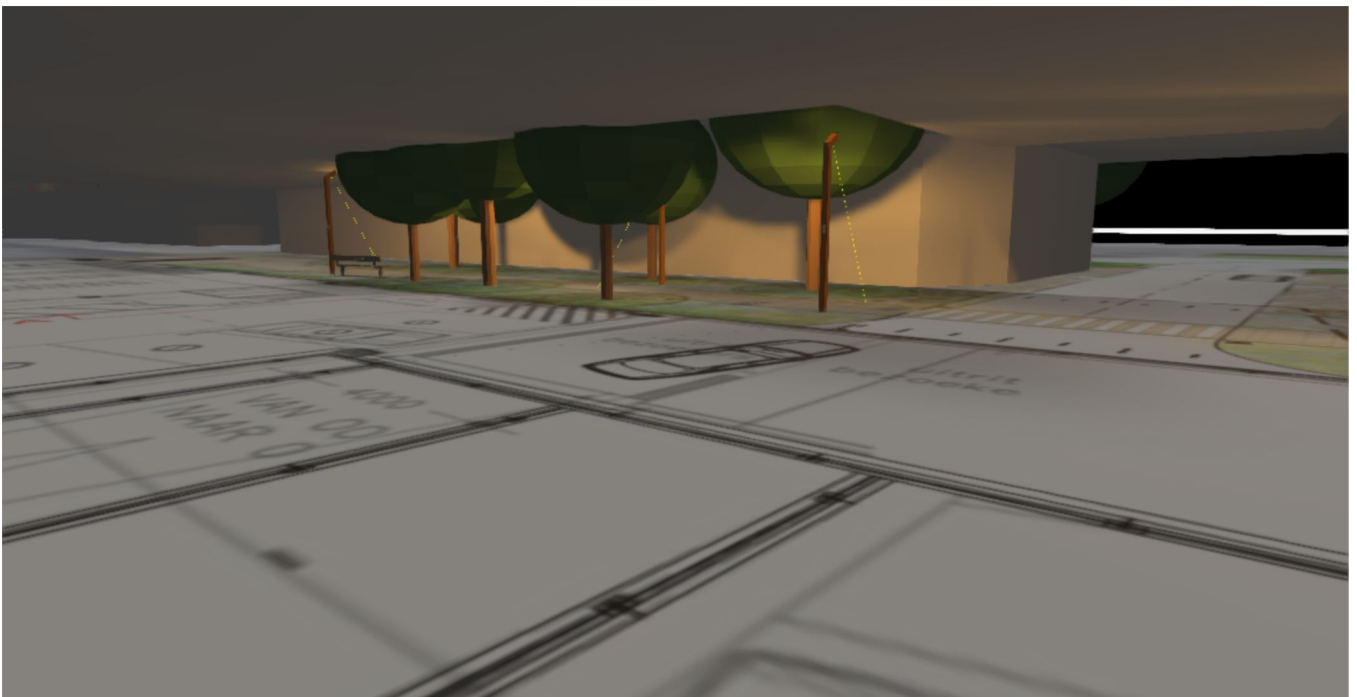
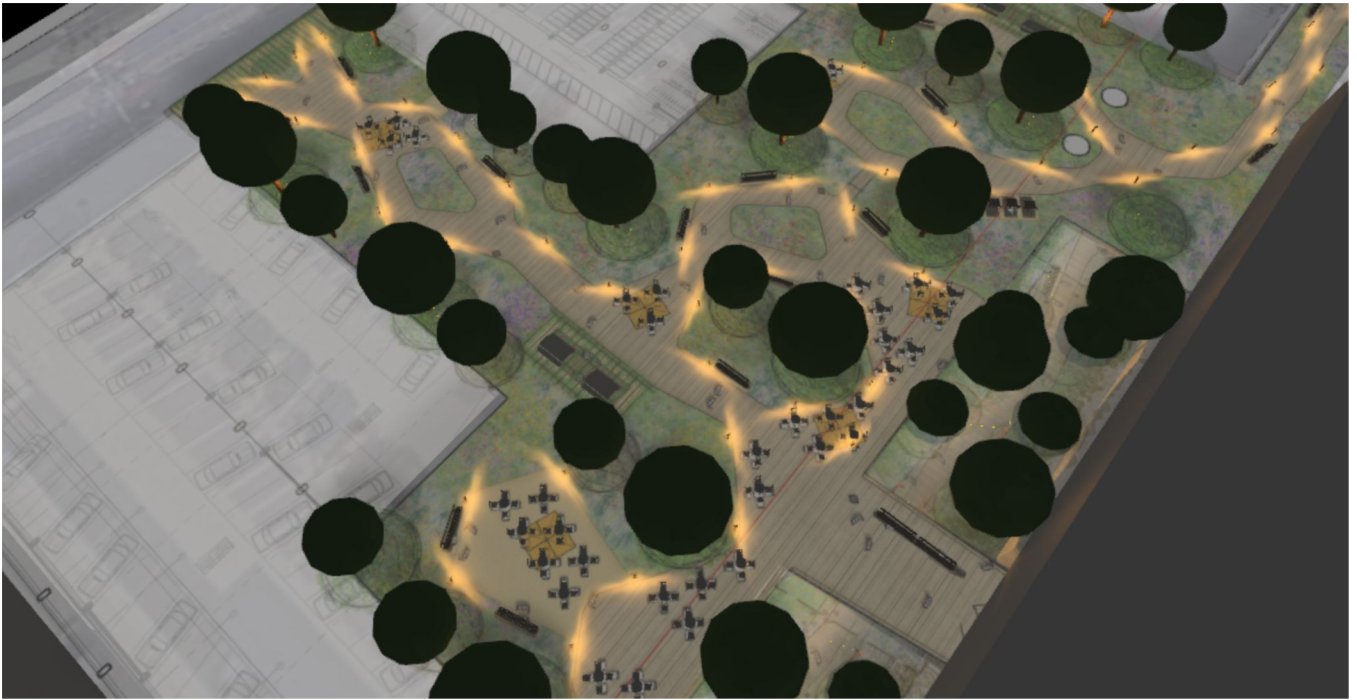
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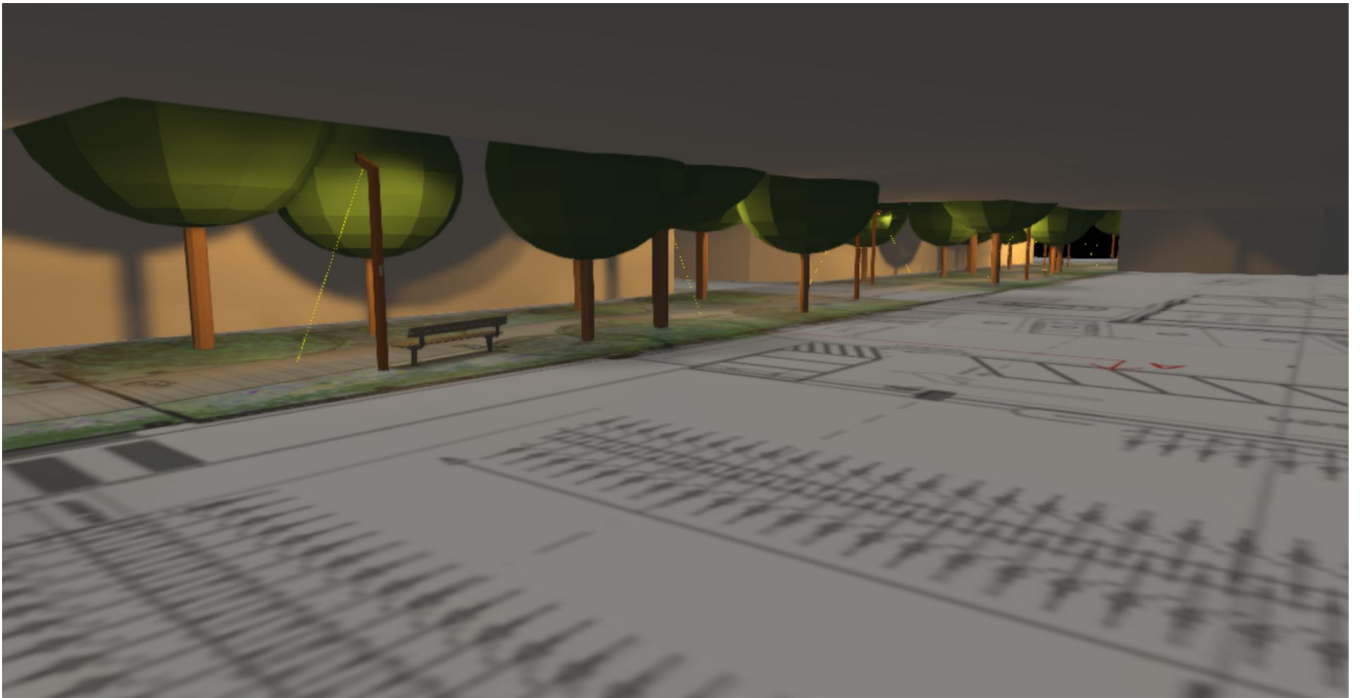
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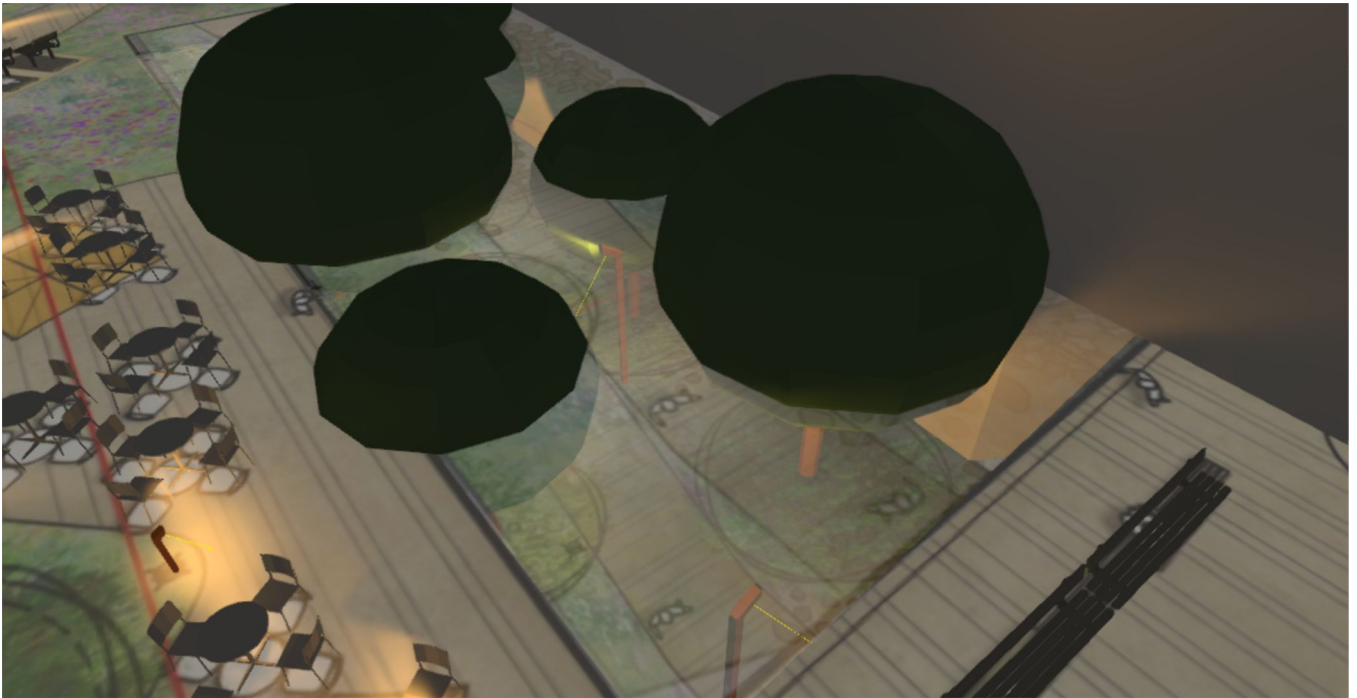
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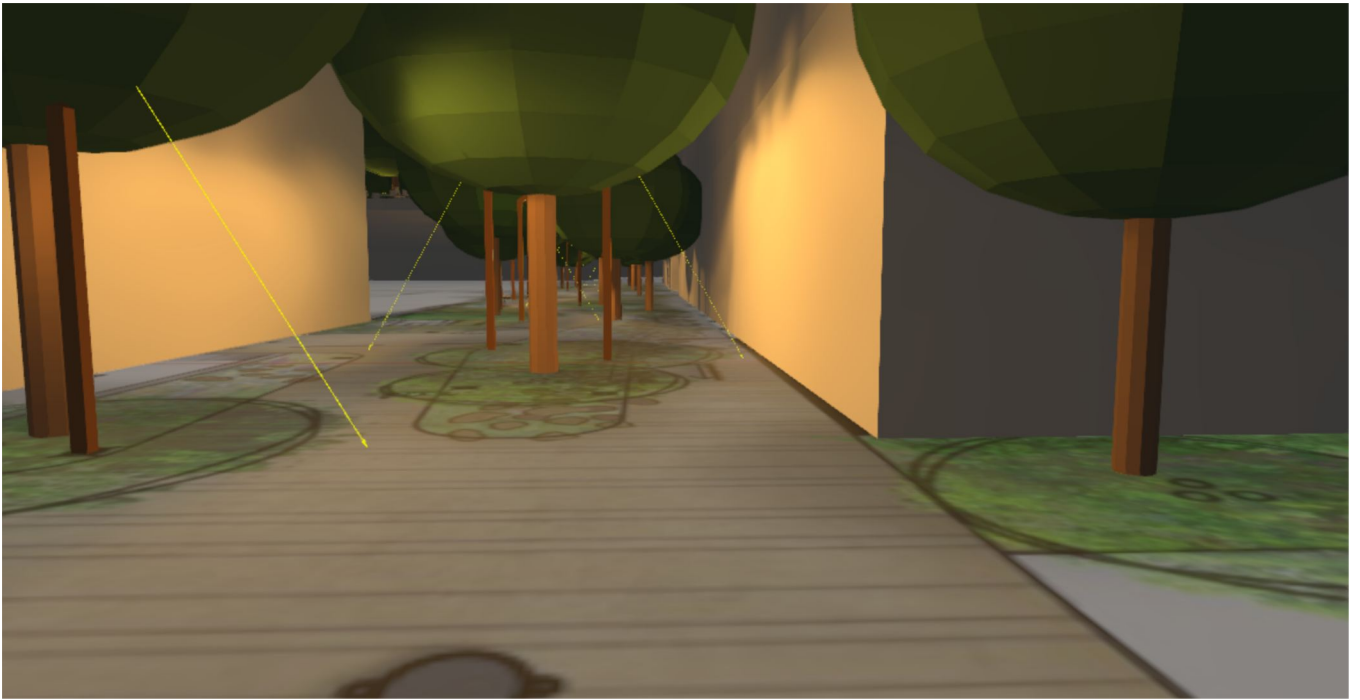
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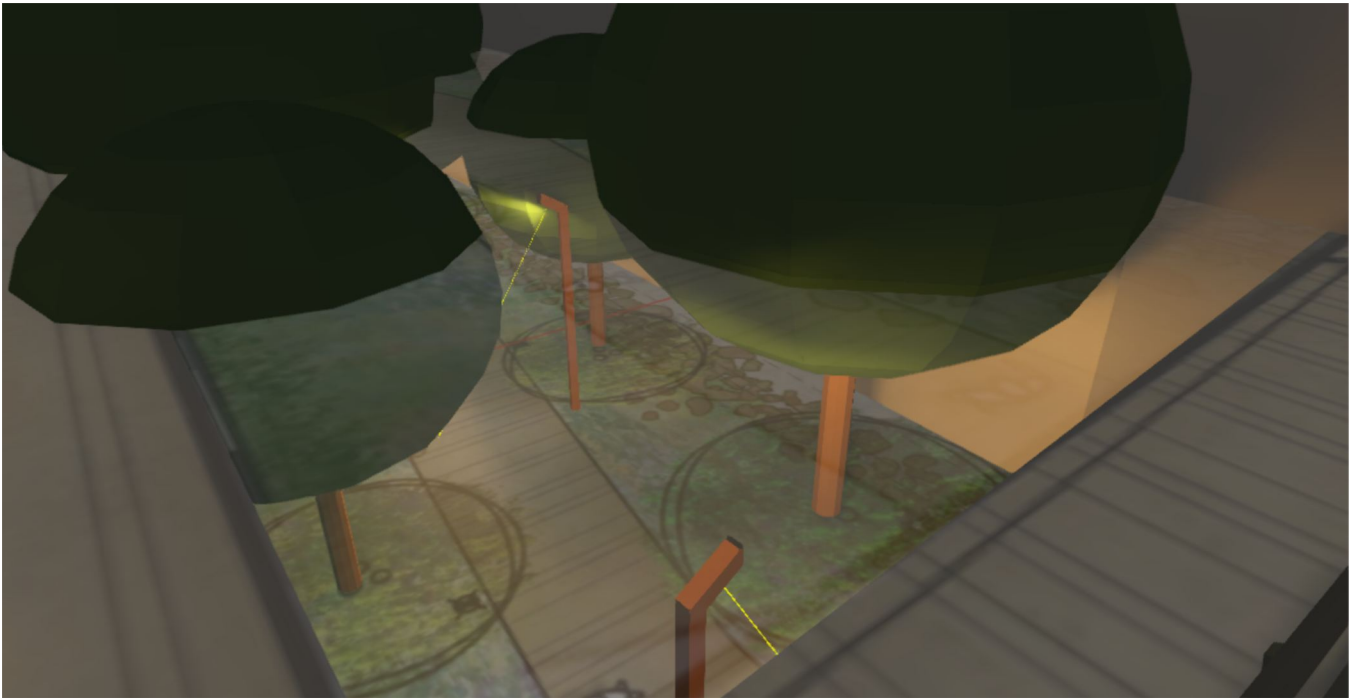
Images



Images



Images



Luminaire list

Φ_{total} 43419 lm	P_{total} 459.0 W	Luminous efficacy 94.6 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
65	timberlab	0114	PUNTO 0,8M 2.700K	2.4 W	121 lm	50.4 lm/W
10	timberlab	0304	STELLE 4M 3.000K	18.3 W	2413 lm	131.9 lm/W
24	timberlab	TBL uplicht moudule3 000K 40gr	TBL uplicht moudule3000K 40gr	5.0 W	476 lm	95.2 lm/W

Product data sheet

timberlab - PUNTO 0,8M 2.700K



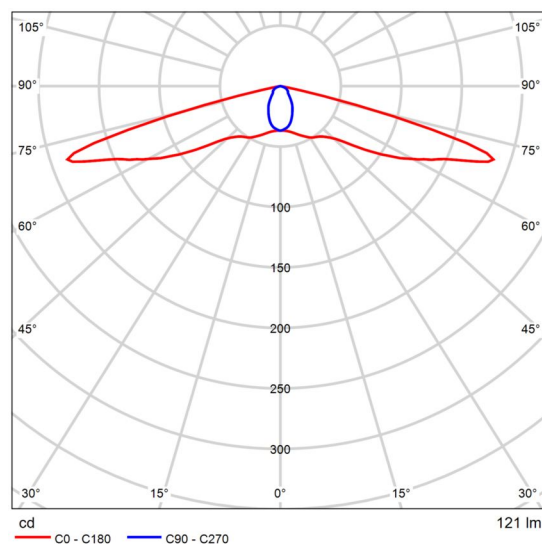
Article No.	0114
P	2.4 W
Φ_{Lamp}	–
$\Phi_{\text{Luminaire}}$	121 lm
η	–
Luminous efficacy	50.4 lm/W
CCT	2700 K
CRI	80

Timber species: Cumaru

Dimensions: 120x70x800mm + 600mm in ground

Connection: Including 32mm hole to insert ground cable

Light colour options: 2.200K, 2.700K, 4.000K and Amber LED



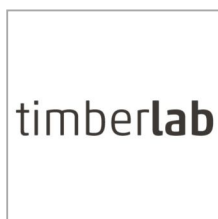
Polar LDC

Glare evaluation according to UGR												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	30	50	30	50	30	30		
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	32.0	33.5	32.3	33.7	33.9	18.3	19.8	18.6	20.0	20.3	
	3H	38.1	39.4	38.4	39.7	40.0	19.7	21.0	20.0	21.3	21.5	
	4H	40.1	41.3	40.4	41.6	41.9	20.0	21.2	20.3	21.5	21.8	
	6H	40.1	41.3	40.5	41.6	41.9	19.9	21.1	20.3	21.4	21.7	
	8H	40.1	41.2	40.5	41.5	41.9	19.9	21.0	20.3	21.4	21.7	
	12H	40.0	41.1	40.4	41.5	41.8	19.9	21.0	20.2	21.3	21.6	
4H	2H	31.7	33.0	32.1	33.3	33.6	19.3	20.5	19.6	20.8	21.1	
	3H	37.8	38.9	38.2	39.3	39.6	20.8	21.9	21.2	22.2	22.6	
	4H	39.8	40.8	40.2	41.1	41.5	21.2	22.1	21.6	22.5	22.9	
	6H	39.9	40.8	40.3	41.1	41.6	21.1	22.0	21.6	22.4	22.8	
	8H	39.9	40.7	40.3	41.1	41.5	21.1	21.9	21.6	22.3	22.7	
	12H	39.9	40.6	40.3	41.0	41.4	21.1	21.8	21.6	22.2	22.7	
8H	4H	39.7	40.5	40.2	40.9	41.3	21.3	22.1	21.8	22.5	22.9	
	6H	39.8	40.5	40.3	40.9	41.4	21.4	22.0	21.8	22.4	22.9	
	8H	39.8	40.4	40.3	40.8	41.3	21.4	21.9	21.8	22.4	22.8	
	12H	39.8	40.2	40.3	40.7	41.2	21.4	21.8	21.8	22.3	22.8	
12H	4H	39.7	40.4	40.1	40.8	41.2	21.3	22.0	21.8	22.5	22.9	
	6H	39.8	40.4	40.3	40.8	41.3	21.4	21.9	21.8	22.3	22.8	
	8H	39.8	40.2	40.3	40.7	41.2	21.4	21.8	21.9	22.3	22.8	
	12H	39.8	40.2	40.3	40.7	41.2	21.4	21.8	21.9	22.3	22.8	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.8 / -1.0					+0.6 / -0.6					
S = 1.5H		+2.5 / -5.8					+1.0 / -1.0					
S = 2.0H		+4.1 / -12.6					+1.3 / -1.2					
Standard table		---					BK04					
Correction summand		---					4.0					
Corrected glare indices referring to 121lm Total luminous flux												

UGR diagram (SHR: 0.25)

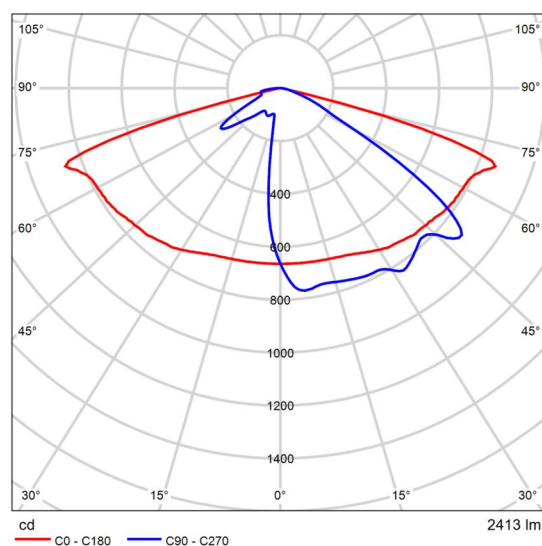
Product data sheet

timberlab - STELLE 4M 3.000K



Article No.	0304
P	18.3 W
Φ_{Lamp}	–
$\Phi_{\text{Luminaire}}$	2413 lm
η	–
Luminous efficacy	131.9 lm/W
CCT	3000 K
CRI	80

Timber species: Oak / Douglas / Chestnut / Accoya
 Dimensions: 150x150x4300mm
 Connection: Including 32mm hole to insert ground cable
 Light colour options: 2.200K, 3.000K, 4.000K and Amber LED



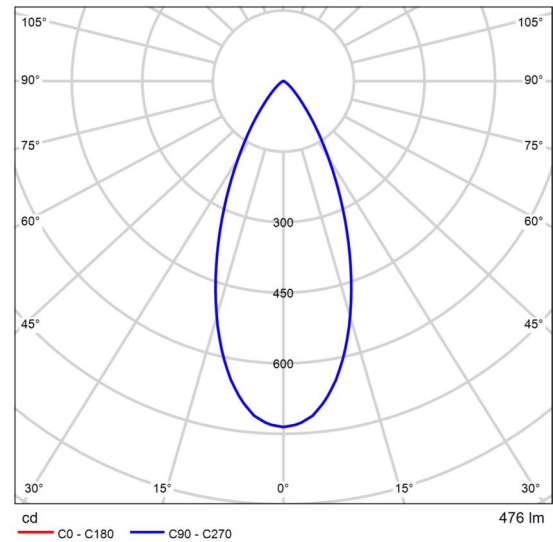
Polar LDC

Product data sheet

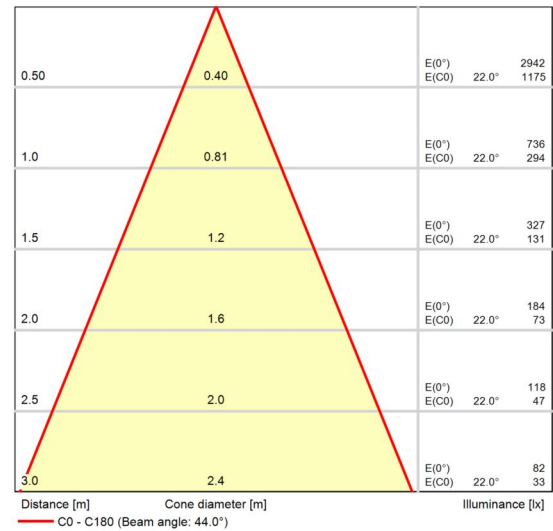
timberlab - TBL uplicht moudule3000K 40gr



Article No.	TBL uplicht moudule3000K 40gr
P	5.0 W
Φ_{Lamp}	–
$\Phi_{Luminaire}$	476 lm
η	–
Luminous efficacy	95.2 lm/W
CCT	3000 K
CRI	80



Polar LDC



Cone diagram

Site 1

Luminaire layout plan



Site 1

Luminaire layout plan



Manufacturer	timberlab	P	2.4 W
Article No.	0114	$\Phi_{\text{Luminaire}}$	121 lm
Article name	PUNTO 0,8M 2.700K		
Fitting	1x TBL Module 2.700K		

Individual luminaires

X	Y	Mounting height	Luminaire
98.059 m	208.833 m	5.000 m	1
94.259 m	201.833 m	5.000 m	2
97.979 m	193.943 m	5.000 m	3
94.551 m	185.429 m	5.000 m	4
97.381 m	177.970 m	5.000 m	5
94.397 m	170.631 m	5.000 m	6
97.072 m	164.553 m	5.000 m	7
94.014 m	160.013 m	5.000 m	8
96.916 m	154.163 m	5.000 m	9
93.799 m	147.698 m	5.000 m	10
96.636 m	143.003 m	5.000 m	11
93.879 m	137.975 m	5.000 m	12
50.062 m	133.862 m	5.000 m	15

Site 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
55.931 m	133.334 m	5.000 m	16
96.174 m	132.782 m	5.000 m	17
44.345 m	130.783 m	5.000 m	18
66.470 m	129.520 m	5.000 m	19
80.795 m	127.590 m	5.000 m	20
91.457 m	126.731 m	5.000 m	21
49.723 m	124.390 m	5.000 m	22
62.430 m	123.962 m	5.000 m	23
56.266 m	123.153 m	5.000 m	24
83.883 m	122.885 m	5.000 m	25
89.221 m	120.154 m	5.000 m	29
82.100 m	116.848 m	5.000 m	30
64.052 m	116.464 m	5.000 m	32
74.196 m	115.850 m	5.000 m	33
58.456 m	112.335 m	5.000 m	34
79.486 m	110.331 m	5.000 m	35
63.815 m	108.346 m	5.000 m	37
72.431 m	107.350 m	5.000 m	39
72.369 m	102.561 m	5.000 m	42
66.453 m	101.940 m	5.000 m	43
80.102 m	101.030 m	5.000 m	44
61.566 m	96.832 m	5.000 m	46
77.864 m	94.357 m	5.000 m	47
69.675 m	92.646 m	5.000 m	49

Site 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
63.810 m	90.433 m	5.000 m	50
82.252 m	90.052 m	5.000 m	51
22.921 m	87.350 m	5.000 m	57
68.146 m	87.231 m	5.000 m	58
41.431 m	87.003 m	5.000 m	59
34.800 m	86.752 m	5.000 m	60
48.559 m	86.046 m	5.000 m	61
78.905 m	85.262 m	5.000 m	63
83.968 m	85.193 m	5.000 m	64
29.404 m	85.121 m	5.000 m	65
61.527 m	84.131 m	5.000 m	66
22.733 m	84.051 m	5.000 m	67
54.886 m	83.979 m	5.000 m	68
71.938 m	83.779 m	5.000 m	69
22.689 m	80.664 m	5.000 m	70
35.786 m	80.158 m	5.000 m	71
76.663 m	80.054 m	5.000 m	72
29.232 m	79.050 m	5.000 m	73
48.964 m	78.529 m	5.000 m	74
42.059 m	77.257 m	5.000 m	75
22.819 m	77.249 m	5.000 m	76
81.075 m	75.135 m	5.000 m	77
69.401 m	70.569 m	5.000 m	82
77.952 m	68.257 m	5.000 m	84

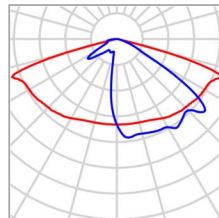
Site 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
65.373 m	64.736 m	5.000 m	85
77.652 m	62.369 m	5.000 m	87
68.664 m	60.311 m	5.000 m	88
82.695 m	58.500 m	5.000 m	89

Site 1

Luminaire layout plan



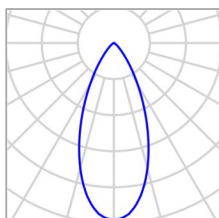
Manufacturer	timberlab	P	18.3 W
Article No.	0304	$\Phi_{\text{Luminaire}}$	2413 lm
Article name	STELLE 4M 3.000K		
Fitting	1x TBL Streetlight Module 3.000K		

Individual luminaires

X	Y	Mounting height	Luminaire
87.589 m	108.186 m	0.000 m	38
92.089 m	93.976 m	0.000 m	48
88.094 m	85.403 m	0.000 m	62
92.419 m	74.123 m	0.000 m	78
86.769 m	63.901 m	0.000 m	86
91.015 m	56.603 m	0.000 m	92
89.864 m	44.634 m	0.000 m	94
90.559 m	34.781 m	0.000 m	95
93.086 m	32.723 m	0.000 m	96
88.493 m	25.193 m	0.000 m	99

Site 1

Luminaire layout plan



Manufacturer	timberlab	P	5.0 W
Article No.	TBL uplicht moudule3000K 40gr	$\Phi_{\text{Luminaire}}$	476 lm
Article name	TBL uplicht moudule3000K 40gr		
Fitting	1x TBL uplicht		

Individual luminaires

X	Y	Mounting height	Luminaire
56.987 m	134.671 m	5.000 m	13
78.627 m	134.486 m	5.000 m	14
50.104 m	120.468 m	5.000 m	26
79.164 m	120.300 m	5.000 m	27
64.670 m	120.163 m	5.000 m	28
90.878 m	116.834 m	5.000 m	31
92.522 m	108.534 m	5.000 m	36
64.241 m	104.798 m	5.000 m	40
77.544 m	104.659 m	5.000 m	41
88.635 m	97.432 m	5.000 m	45
77.944 m	89.404 m	5.000 m	52
59.366 m	89.238 m	5.000 m	53
27.610 m	88.787 m	5.000 m	54

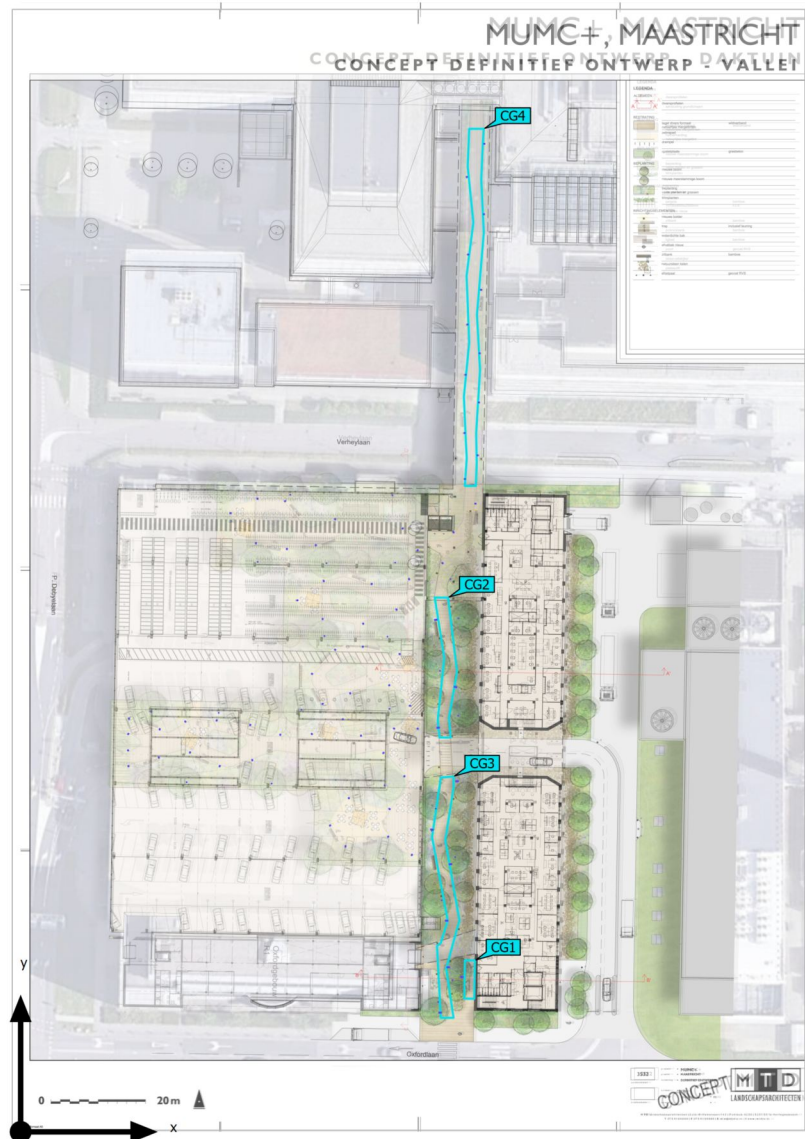
Site 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
41.859 m	88.559 m	5.000 m	55
92.494 m	87.976 m	5.000 m	56
35.077 m	73.902 m	5.000 m	79
53.062 m	73.617 m	5.000 m	80
76.961 m	73.250 m	5.000 m	81
87.740 m	68.312 m	5.000 m	83
91.843 m	58.057 m	5.000 m	90
76.701 m	57.760 m	5.000 m	91
89.020 m	48.938 m	5.000 m	93
91.294 m	32.063 m	5.000 m	97
88.265 m	27.454 m	5.000 m	98

Site 1 (Light scene 1)

Calculation objects



Site 1 (Light scene 1)

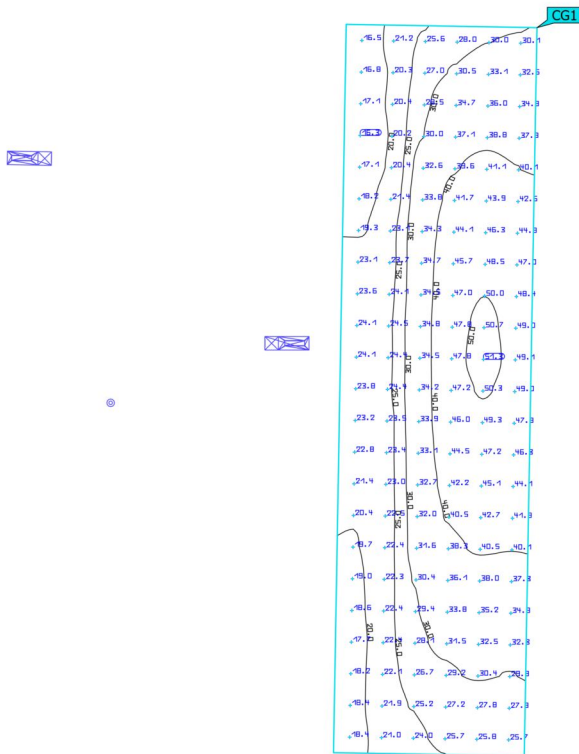
Calculation objects

Calculation surfaces

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
pad boven Perpendicular illuminance Height: 5.000 m	4.66 lx	0.078 lx	51.3 lx	0.017	0.002	CG4
Pad noord Perpendicular illuminance Height: 0.000 m	13.2 lx	2.53 lx	27.2 lx	0.19	0.093	CG2
pad zuid Perpendicular illuminance Height: 0.000 m	14.3 lx	5.64 lx	29.5 lx	0.39	0.19	CG3
trap zuid Perpendicular illuminance Height: 0.500 m	32.0 lx	16.3 lx	51.3 lx	0.51	0.32	CG1

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

Site 1 (Light scene 1)

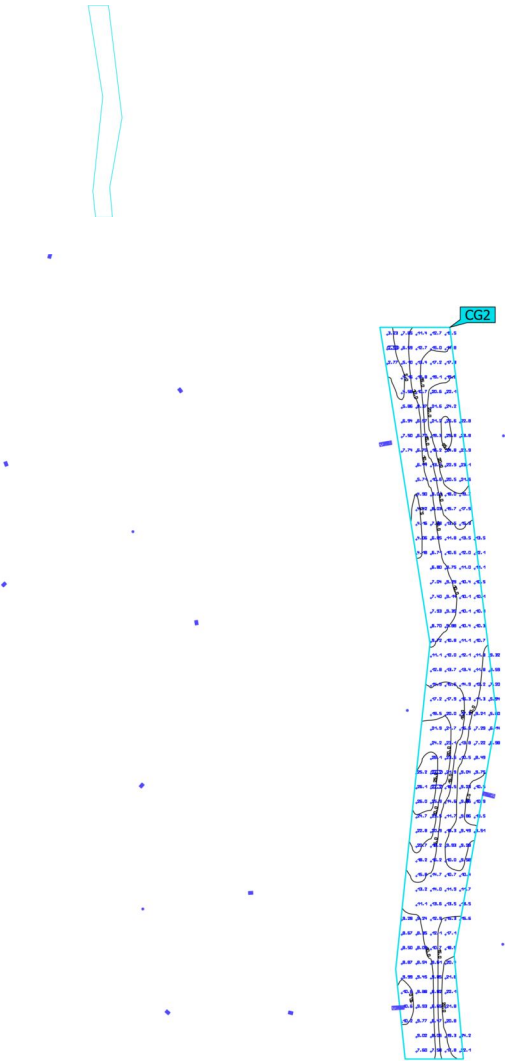
trap zuid

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	g_2	Index
trap zuid	32.0 lx	16.3 lx	51.3 lx	0.51	0.32	CG1
Perpendicular illuminance						
Height: 0.500 m						

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

Site 1 (Light scene 1)

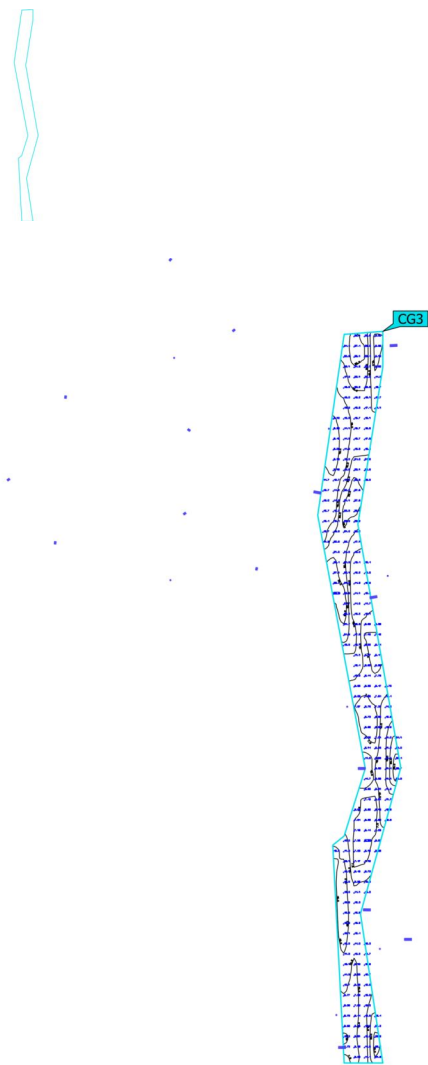
Pad noord



Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Pad noord Perpendicular illuminance Height: 0.000 m	13.2 lx	2.53 lx	27.2 lx	0.19	0.093	CG2

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

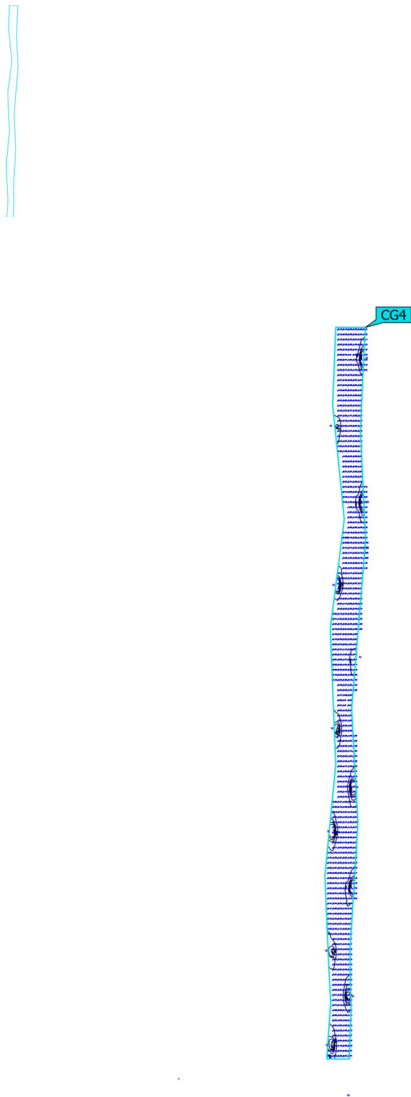
Site 1 (Light scene 1)
pad zuid



Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
pad zuid Perpendicular illuminance Height: 0.000 m	14.3 lx	5.64 lx	29.5 lx	0.39	0.19	CG3

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

Site 1 (Light scene 1)
pad boven



Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
pad boven Perpendicular illuminance Height: 5.000 m	4.66 lx	0.078 lx	51.3 lx	0.017	0.002	CG4

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