



Kaarepere - Palamuse tee klass M6 H=10m+1m konsool

Sisu

Tiitelleht	1
Sisu	2

Toote andmekaardid

Schröder - VITALUM EVO 1 / 5307 / 25 LEDs 880mA WW 730 68,5W / / 632772	3
(1x 25 LEDs 880mA WW 730)	
Schröder - VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822	5
(1x 25 LEDs 350mA WW 730)	

Tee klass M6 · Alternatiiv 1

Kokkuvõte (kuni EN 13201:2015)	7
Sõidutee 1 (M6)	10

Territoorium 1

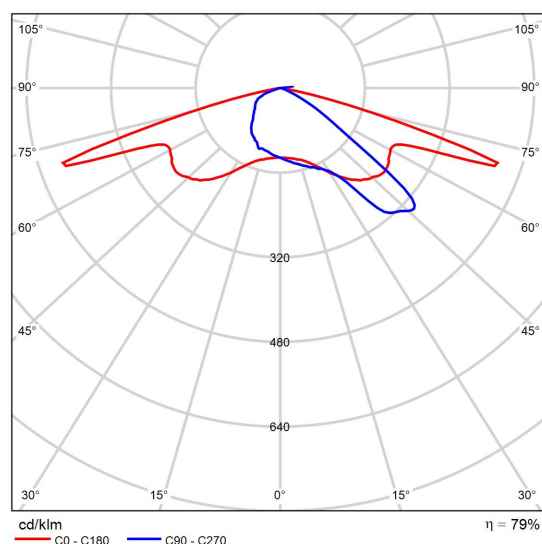
Pildid	18
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Toote andmetabel

Schröder - VITALUM EVO 1 / 5307 / 25 LEDs 880mA WW 730 68,5W / / 632772



P	68.5 W
Φ_{Lamp}	10168 lm
Φ_{Valgusti}	8071 lm
η	79.37 %
Valgusviljakus	117.8 lm/W
CCT	3000 K
CRI	70



Polaarne LDC

VITALUM EVO features an optimised, streamlined design, engineered for the greatest convenience and responsible use of raw materials. Made of aluminium and glass, it guarantees a high recycling rate while providing excellent mechanical and tightness performance, ideal for withstanding urban road conditions.

Thanks to the variety of photometric engines and light distributions, this road luminaire, available in two sizes, provides tailored illumination for various types of project. Taking advantage of the latest LensoFlex® and HiFlex™ photometric platforms, VITALUM EVO offers flexible, energy-efficient lighting solutions that can be tailored to meet the specific needs of any road environment, while maximising savings and providing a quick return on investment. Its energy-efficient photometric engines are complemented by advanced connectivity features for smarter lighting network management. Available with optional NEMA 7-pin and Zhaga sockets (positioned on the top and bottom of the luminaire), VITALUM EVO enables seamless integration into open and interoperable connected lighting systems.

To ease installation and maintenance, this luminaire is available with a universal fixation part adapted for post-top and side-entry mounting on Ø48-60mm spigots. The inclination angle can be adjusted on-site to perfectly match the infrastructure needs. Compact and lightweight, VITALUM EVO is easy to handle and

Toote andmetabel

Schröder - VITALUM EVO 1 / 5307 / 25 LEDs 880mA WW 730 68,5W / / 632772

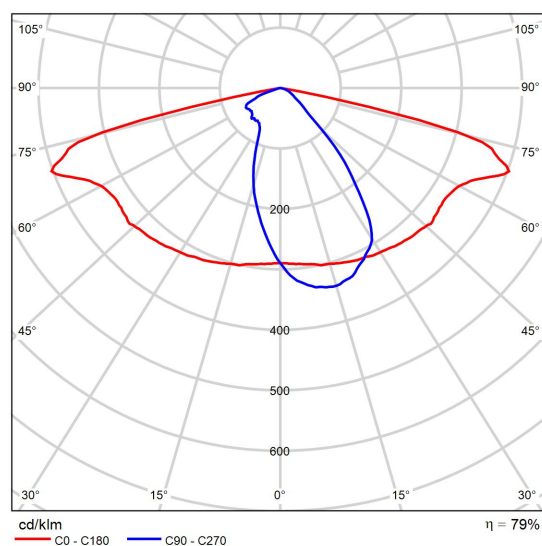
install on various pole and bracket types. Tool-free access to internal components optimises maintenance activities, reduces downtime and enables long-term upgradability.

Toote andmetabel

Schröder - VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822



P	26.7 W
Φ_{Lamp}	4725 lm
Φ_{Valgusti}	3737 lm
η	79.09 %
Valgusviljakus	140.0 lm/W
CCT	3000 K
CRI	70



Polaarne LDC

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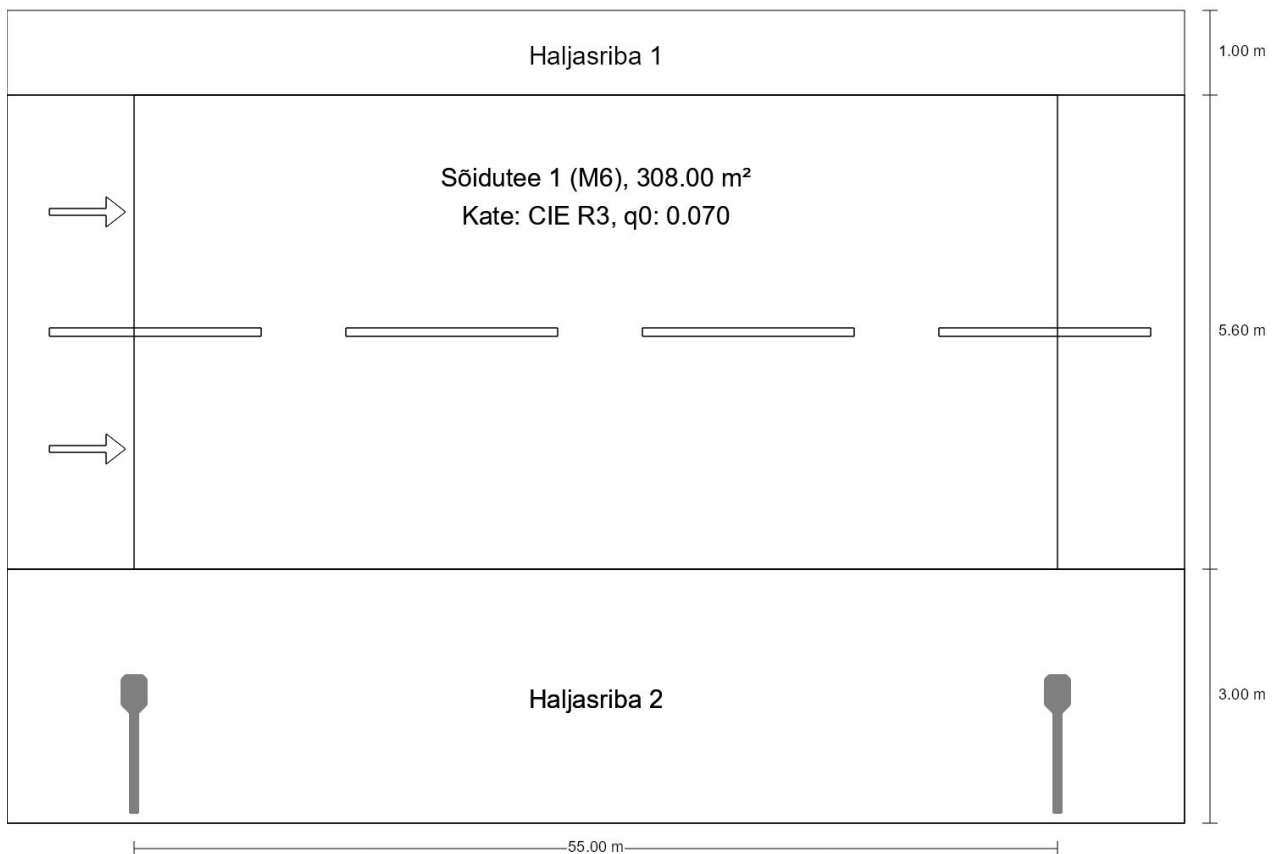
Toote andmetabel

Schröder - VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822

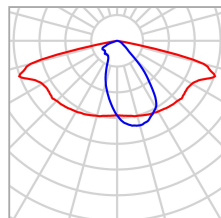
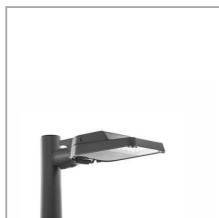
install on various pole and bracket types. Tool-free access to internal components optimises maintenance activities, reduces downtime and enables long-term upgradability.

Tee klass M6

Kokkuvõte (kuni EN 13201:2015)



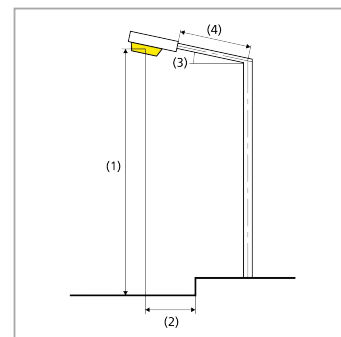
Tee klass M6

Kokkuvõte (kuni EN 13201:2015)

Tootja	Schröder	P	26.7 W
Artikli nimi	VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822	Φ_{Lamp}	4725 lm
		Φ_{Valgusti}	3737 lm
Varustatus	1x 25 LEDs 350mA WW 730	η	79.09 %

VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822 (ühepoolne all)

Postide vahekaugus	55.000 m
(1) Valguspunkti kõrgus	10.000 m
(2) Valguspunkti üleulatus	-1.500 m
(3) Konsooli kalle	0.0°
(4) Konsooli pikkus	1.000 m
Aastased töötunnid	4000 h: 100.0 %, 26.7 W
Võimsus / marsruut	480.6 W/km
ULR / ULOR	0.00 / 0.00
Max valgustugevused	$\geq 70^\circ$: 727 cd/klm
Iga kord kõigis suundades, mis moodustavad tarvituskõlbulikult paigaldatud valgusti korral alumise vertikaaljoonega etteantud nurga.	$\geq 80^\circ$: 99.8 cd/klm $\geq 90^\circ$: 0.00 cd/klm
Valgustugevuse klass	G*3
Valgustugevuse väärtused [cd/klm] valgustugevuse klassi arvutamiseks lähtuvad vastavalt EN 13201:2015 valgusti valgusvoost.	
Sulandumise indekssklass	D.6
MF	0.80



Tee klass M6

Kokkuvõte (kuni EN 13201:2015)

Hindamisväljade tulemused

Paigaldamisel arutati säilivusteguriga 0.80.

	Suurus	Arvutatud	Nõutav väärtus	Kontroll
Sõidutee 1 (M6)	L_m	0.30 cd/m ²	≥ 0.30 cd/m ²	✓
	U_o	0.39	≥ 0.35	✓
	U_l	0.49	≥ 0.40	✓
	TI	12 %	≤ 20 %	✓
	R_{EI}	0.41	≥ 0.30	✓

Energiaefektiivsuse indikaatorite tulemused

	Suurus	Arvutatud	Energiatarbimine
Tee klass M6	D_p	0.019 W/lx*m ²	–
VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822 (ühepoolne all)	D_e	0.3 kWh/m ² a	106.8 kWh/a

Tee klass M6

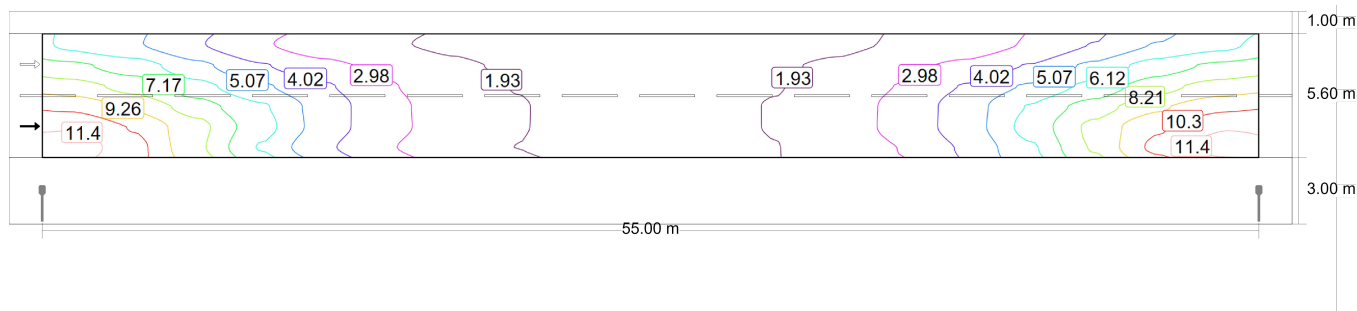
Sõidutee 1 (M6)

Hindamisvälja tulemused

	Suurus	Arvutatud	Nõutav väärtus	Kontroll
Sõidutee 1 (M6)	L_m	0.30 cd/m ²	≥ 0.30 cd/m ²	✓
	U_o	0.39	≥ 0.35	✓
	U_l	0.49	≥ 0.40	✓
	TI	12 %	≤ 20 %	✓
	R_{EI}	0.41	≥ 0.30	✓

Vaatilejate tulemused

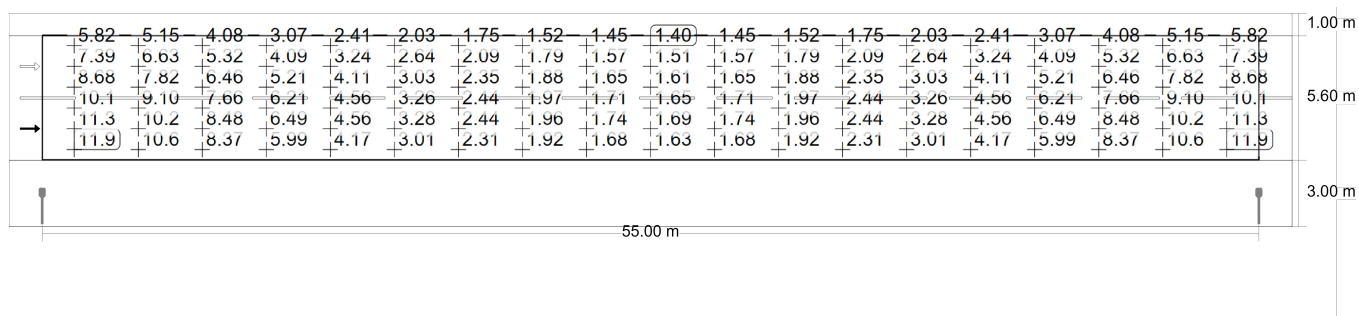
	Suurus	Arvutatud	Nõutav väärtus	Kontroll
Vaatileja 1 Asukoht: -60.000 m, 4.400 m, 1.500 m	L_m	0.30 cd/m ²	≥ 0.30 cd/m ²	✓
	U_o	0.40	≥ 0.35	✓
	U_l	0.49	≥ 0.40	✓
	TI	12 %	≤ 20 %	✓
Vaatileja 2 Asukoht: -60.000 m, 7.200 m, 1.500 m	L_m	0.32 cd/m ²	≥ 0.30 cd/m ²	✓
	U_o	0.39	≥ 0.35	✓
	U_l	0.62	≥ 0.40	✓
	TI	7 %	≤ 20 %	✓



Tee klass M6

Sõidutee 1 (M6)

Horisontaalse valgustustiheduse säilivusväärtus [lx] (Isoluksjooned)



Horisontaalse valgustustiheduse säilivusväärtus [lx] (Väärtuste raster)

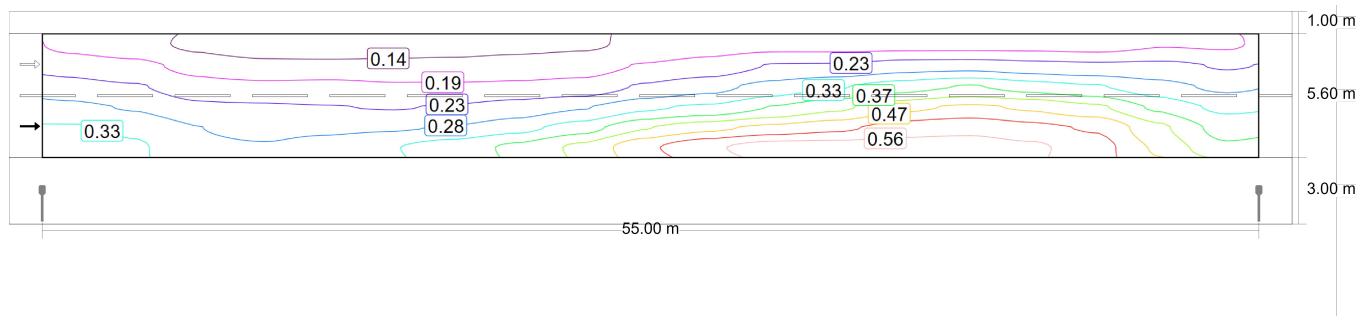
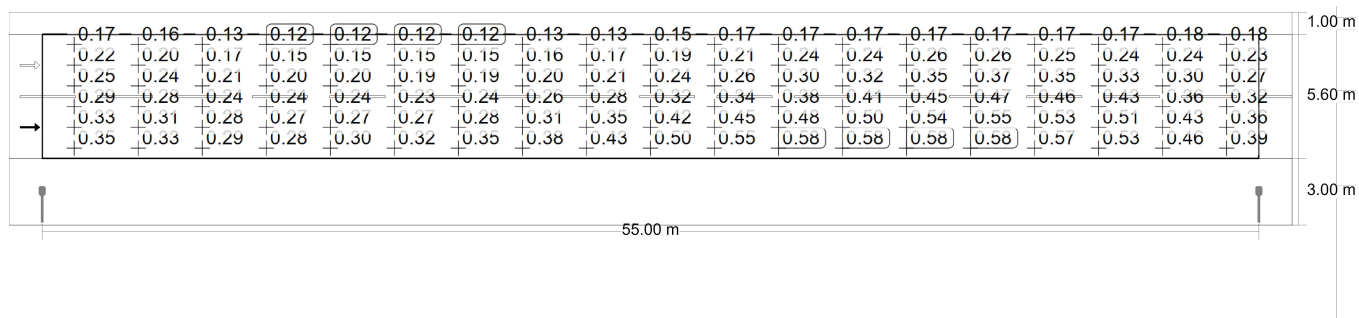
m	1.447	4.342	7.237	10.132	13.026	15.921	18.816	21.711	24.605	27.500	30.395	33.289	36.184	39.079	41.974	44.868	47.763
8.133	5.82	5.15	4.08	3.07	2.41	2.03	1.75	1.52	1.45	1.40	1.45	1.52	1.75	2.03	2.41	3.07	4.08
7.200	7.39	6.63	5.32	4.09	3.24	2.64	2.09	1.79	1.57	1.51	1.57	1.79	2.09	2.64	3.24	4.09	5.32
6.267	8.68	7.82	6.46	5.21	4.11	3.03	2.35	1.88	1.65	1.61	1.65	1.88	2.35	3.03	4.11	5.21	6.46
5.333	10.11	9.10	7.66	6.21	4.56	3.26	2.44	1.97	1.71	1.65	1.71	1.97	2.44	3.26	4.56	6.21	7.66
4.400	11.29	10.20	8.48	6.49	4.56	3.28	2.44	1.96	1.74	1.69	1.74	1.96	2.44	3.28	4.56	6.49	8.48
3.467	11.88	10.63	8.37	5.99	4.17	3.01	2.31	1.92	1.68	1.63	1.68	1.92	2.31	3.01	4.17	5.99	8.37

m	50.658	53.553
8.133	5.15	5.82
7.200	6.63	7.39
6.267	7.82	8.68
5.333	9.10	10.11
4.400	10.20	11.29
3.467	10.63	11.88

Horisontaalse valgustustiheduse säilivusväärtus [lx] (Väärtuste tabel)

	E_m	E_{min}	E_{max}	$U_o (g_1)$	g_2
Horisontaalse valgustustiheduse säilivusväärtus	4.48 lx	1.40 lx	11.9 lx	0.31	0.12

Tee klass M6

Sõidutee 1 (M6)Vaateleja 1: Heleduse säilivusväärtus kuiva sõidutee korral [cd/m^2] (Isoluksjooned)Vaateleja 1: Heleduse säilivusväärtus kuiva sõidutee korral [cd/m^2] (Väärtuste raster)

Tee klass M6

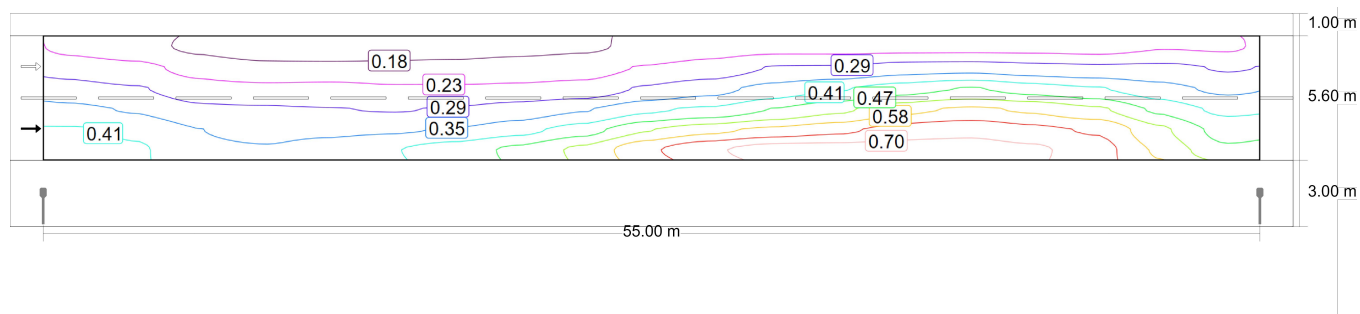
Sõidutee 1 (M6)

m	1.447	4.342	7.237	10.132	13.026	15.921	18.816	21.711	24.605	27.500	30.395	33.289	36.184	39.079	41.974	44.868	47.763
8.133	0.17	0.16	0.13	0.12	0.12	0.12	0.12	0.13	0.13	0.15	0.17	0.17	0.17	0.17	0.17	0.17	0.17
7.200	0.22	0.20	0.17	0.15	0.15	0.15	0.15	0.16	0.17	0.19	0.21	0.24	0.24	0.26	0.26	0.25	0.24
6.267	0.25	0.24	0.21	0.20	0.20	0.19	0.19	0.20	0.21	0.24	0.26	0.30	0.32	0.35	0.37	0.35	0.33
5.333	0.29	0.28	0.24	0.24	0.24	0.23	0.24	0.26	0.28	0.32	0.34	0.38	0.41	0.45	0.47	0.46	0.43
4.400	0.33	0.31	0.28	0.27	0.27	0.27	0.28	0.31	0.35	0.42	0.45	0.48	0.50	0.54	0.55	0.53	0.51
3.467	0.35	0.33	0.29	0.28	0.30	0.32	0.35	0.38	0.43	0.50	0.55	0.58	0.58	0.58	0.58	0.57	0.53

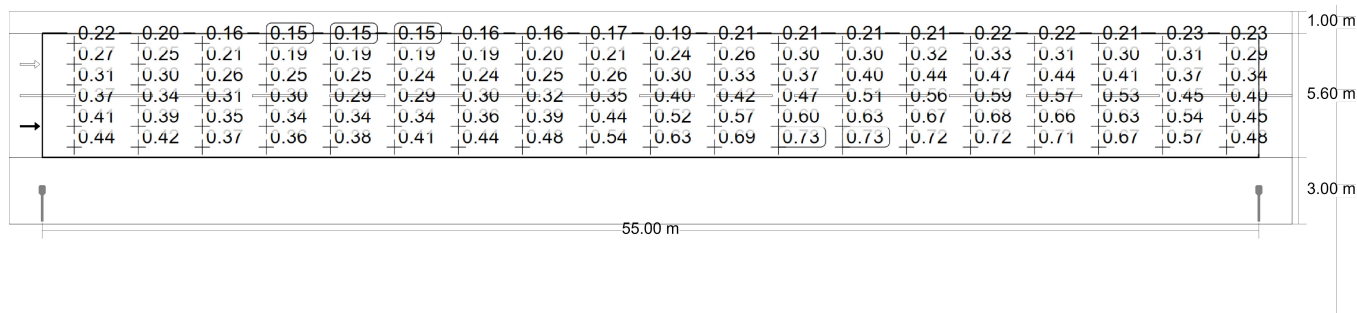
m	50.658	53.553
8.133	0.18	0.18
7.200	0.24	0.23
6.267	0.30	0.27
5.333	0.36	0.32
4.400	0.43	0.36
3.467	0.46	0.39

Vaateleja 1: Heleduse säilivusväärtus kuiva sõidutee korral [cd/m^2] (Väärtuste tabel)

	L_m	$L_{\min}$	$L_{\max}$	$U_o (g_1)$	g_2
Vaatleja 1: Heleduse säilivusväärtus kuiva sõidutee korral	0.30 cd/m^2	0.12 cd/m^2	0.58 cd/m^2	0.40	0.20

Vaateleja 1: Valgustihedus uuel paigaldisel [cd/m^2] (Isoluksjooned)

Tee klass M6

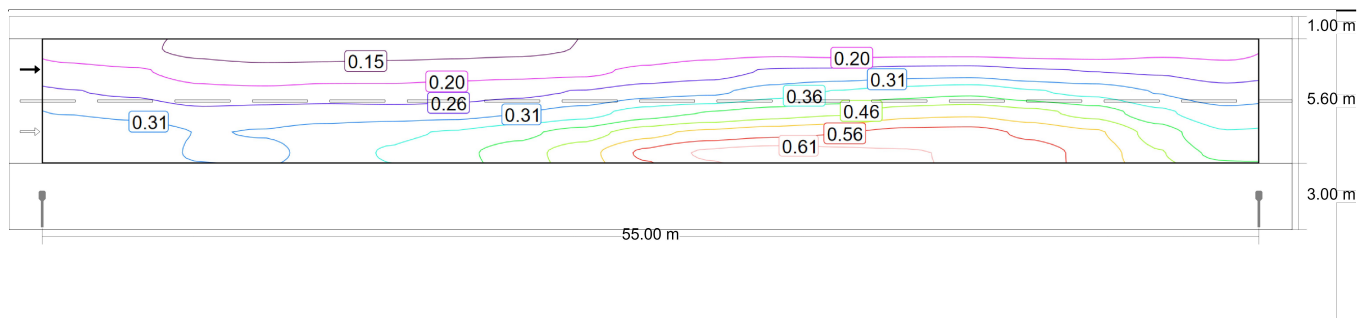
Sõidutee 1 (M6)Vaateja 1: Valgustihedus uuel paigaldisel [cd/m²] (Väärtuste raster)

m	1.447	4.342	7.237	10.132	13.026	15.921	18.816	21.711	24.605	27.500	30.395	33.289	36.184	39.079	41.974	44.868	47.763
8.133	0.22	0.20	0.16	0.15	0.15	0.15	0.16	0.16	0.17	0.19	0.21	0.21	0.21	0.21	0.22	0.22	0.21
7.200	0.27	0.25	0.21	0.19	0.19	0.19	0.19	0.20	0.21	0.24	0.26	0.30	0.30	0.32	0.33	0.31	0.30
6.267	0.31	0.30	0.26	0.25	0.25	0.24	0.24	0.25	0.26	0.30	0.33	0.37	0.40	0.44	0.47	0.44	0.41
5.333	0.37	0.34	0.31	0.30	0.29	0.29	0.30	0.32	0.35	0.40	0.42	0.47	0.51	0.56	0.59	0.57	0.53
4.400	0.41	0.39	0.35	0.34	0.34	0.34	0.36	0.39	0.44	0.52	0.57	0.60	0.63	0.67	0.68	0.66	0.63
3.467	0.44	0.42	0.37	0.36	0.38	0.41	0.44	0.48	0.54	0.63	0.69	0.73	0.73	0.72	0.72	0.71	0.67

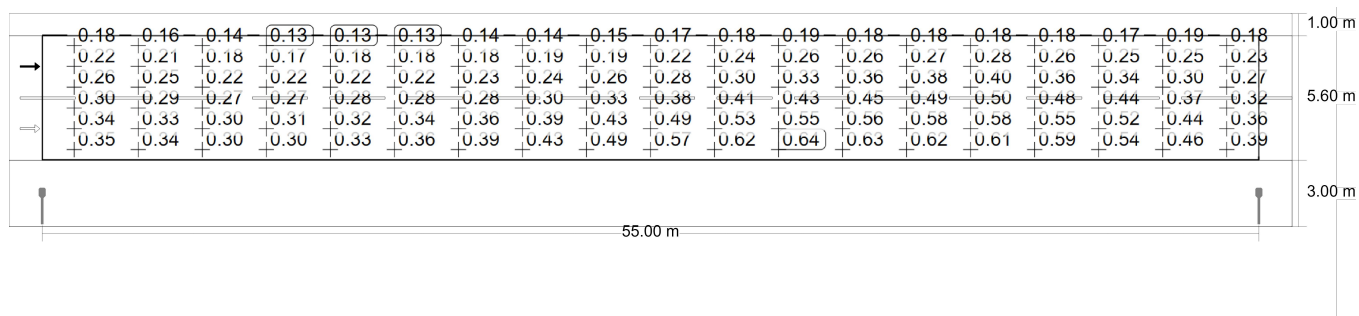
m	50.658	53.553
8.133	0.23	0.23
7.200	0.31	0.29
6.267	0.37	0.34
5.333	0.45	0.40
4.400	0.54	0.45
3.467	0.57	0.48

Vaateja 1: Valgustihedus uuel paigaldisel [cd/m²] (Väärtuste tabel)

	L _m	L _{min}	L _{max}	U _o (g ₁)	g ₂
Vaateja 1: Valgustihedus uuel paigaldisel	0.37 cd/m ²	0.15 cd/m ²	0.73 cd/m ²	0.40	0.20



Tee klass M6

Sõidutee 1 (M6)Vaateleja 2: Heleduse säilivusväärtus kuiva sõidutee korral [cd/m^2] (Isoluksjooned)Vaateleja 2: Heleduse säilivusväärtus kuiva sõidutee korral [cd/m^2] (Väärtuste raster)

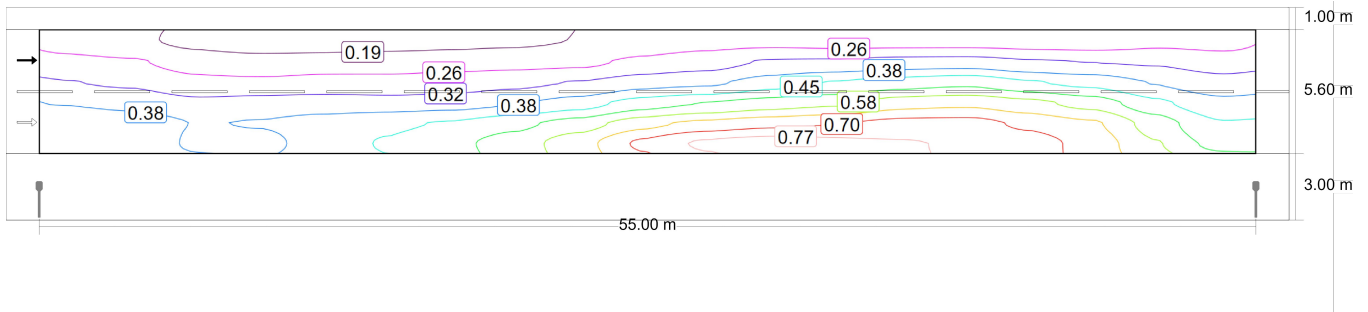
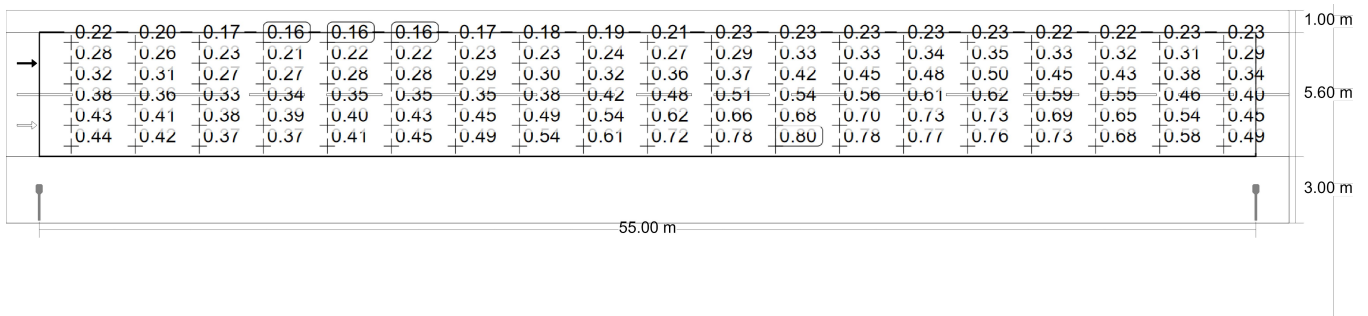
m	1.447	4.342	7.237	10.132	13.026	15.921	18.816	21.711	24.605	27.500	30.395	33.289	36.184	39.079	41.974	44.868	47.763
8.133	0.18	0.16	0.14	0.13	0.13	0.13	0.14	0.14	0.15	0.17	0.18	0.19	0.18	0.18	0.18	0.18	0.17
7.200	0.22	0.21	0.18	0.17	0.18	0.18	0.18	0.19	0.19	0.22	0.24	0.26	0.26	0.27	0.28	0.26	0.25
6.267	0.26	0.25	0.22	0.22	0.22	0.22	0.23	0.24	0.26	0.28	0.30	0.33	0.36	0.38	0.40	0.36	0.34
5.333	0.30	0.29	0.27	0.27	0.28	0.28	0.28	0.30	0.33	0.38	0.41	0.43	0.45	0.49	0.50	0.48	0.44
4.400	0.34	0.33	0.30	0.31	0.32	0.34	0.36	0.39	0.43	0.49	0.53	0.55	0.56	0.58	0.58	0.55	0.52
3.467	0.35	0.34	0.30	0.30	0.33	0.36	0.39	0.43	0.49	0.57	0.62	0.64	0.63	0.62	0.61	0.59	0.54

m	50.658	53.553
8.133	0.19	0.18
7.200	0.25	0.23
6.267	0.30	0.27
5.333	0.37	0.32
4.400	0.44	0.36
3.467	0.46	0.39

Vaateleja 2: Heleduse säilivusväärtus kuiva sõidutee korral [cd/m^2] (Väärtuste tabel)

	L_m	L_{min}	L_{max}	$U_o (g_1)$	g_2
Vaateleja 2: Heleduse säilivusväärtus kuiva sõidutee korral	0.32 cd/m^2	0.13 cd/m^2	0.64 cd/m^2	0.39	0.20

Tee klass M6

Sõidutee 1 (M6)Vaateleja 2: Valgustihedus uuel paigaldisel [cd/m²] (Isoluksjooned)Vaateleja 2: Valgustihedus uuel paigaldisel [cd/m²] (Väärtuste raster)

Tee klass M6

Sõidutee 1 (M6)

m	1.447	4.342	7.237	10.132	13.026	15.921	18.816	21.711	24.605	27.500	30.395	33.289	36.184	39.079	41.974	44.868	47.763
8.133	0.22	0.20	0.17	0.16	0.16	0.16	0.17	0.18	0.19	0.21	0.23	0.23	0.23	0.23	0.23	0.22	0.22
7.200	0.28	0.26	0.23	0.21	0.22	0.22	0.23	0.23	0.24	0.27	0.29	0.33	0.33	0.34	0.35	0.33	0.32
6.267	0.32	0.31	0.27	0.27	0.28	0.28	0.29	0.30	0.32	0.36	0.37	0.42	0.45	0.48	0.50	0.45	0.43
5.333	0.38	0.36	0.33	0.34	0.35	0.35	0.35	0.38	0.42	0.48	0.51	0.54	0.56	0.61	0.62	0.59	0.55
4.400	0.43	0.41	0.38	0.39	0.40	0.43	0.45	0.49	0.54	0.62	0.66	0.68	0.70	0.73	0.73	0.69	0.65
3.467	0.44	0.42	0.37	0.37	0.41	0.45	0.49	0.54	0.61	0.72	0.78	0.80	0.78	0.77	0.76	0.73	0.68

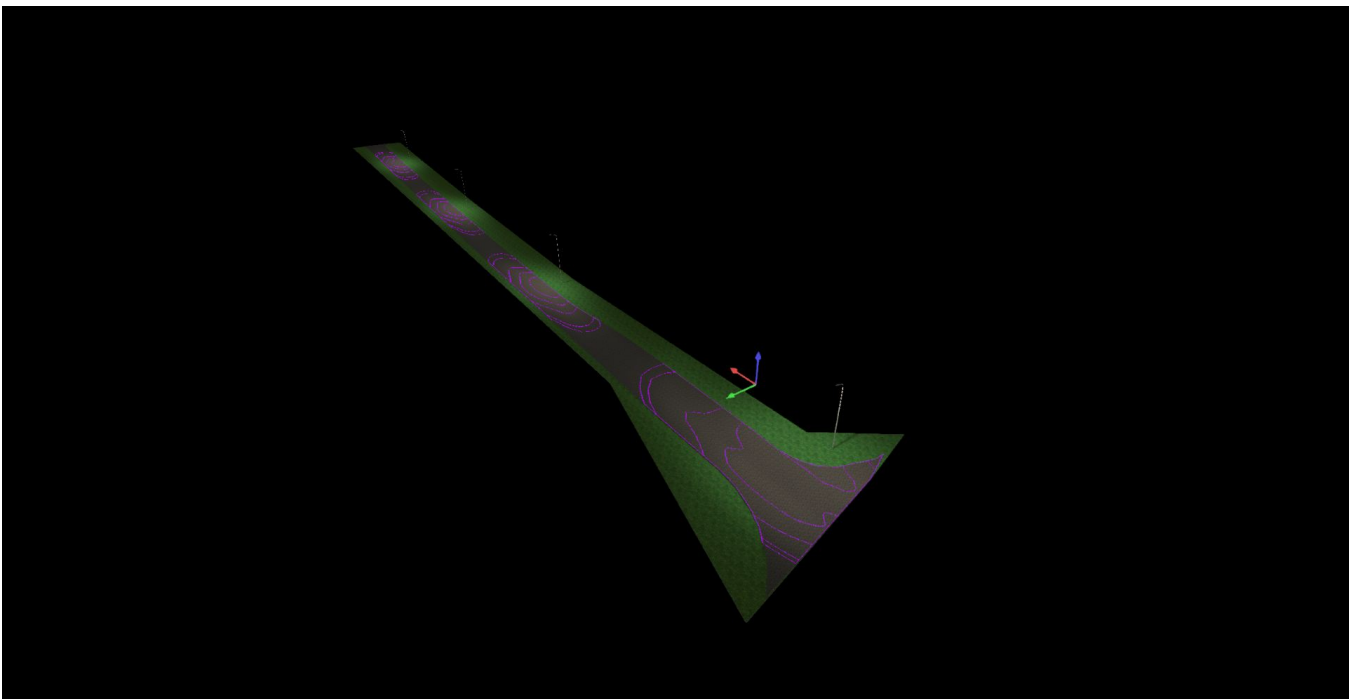
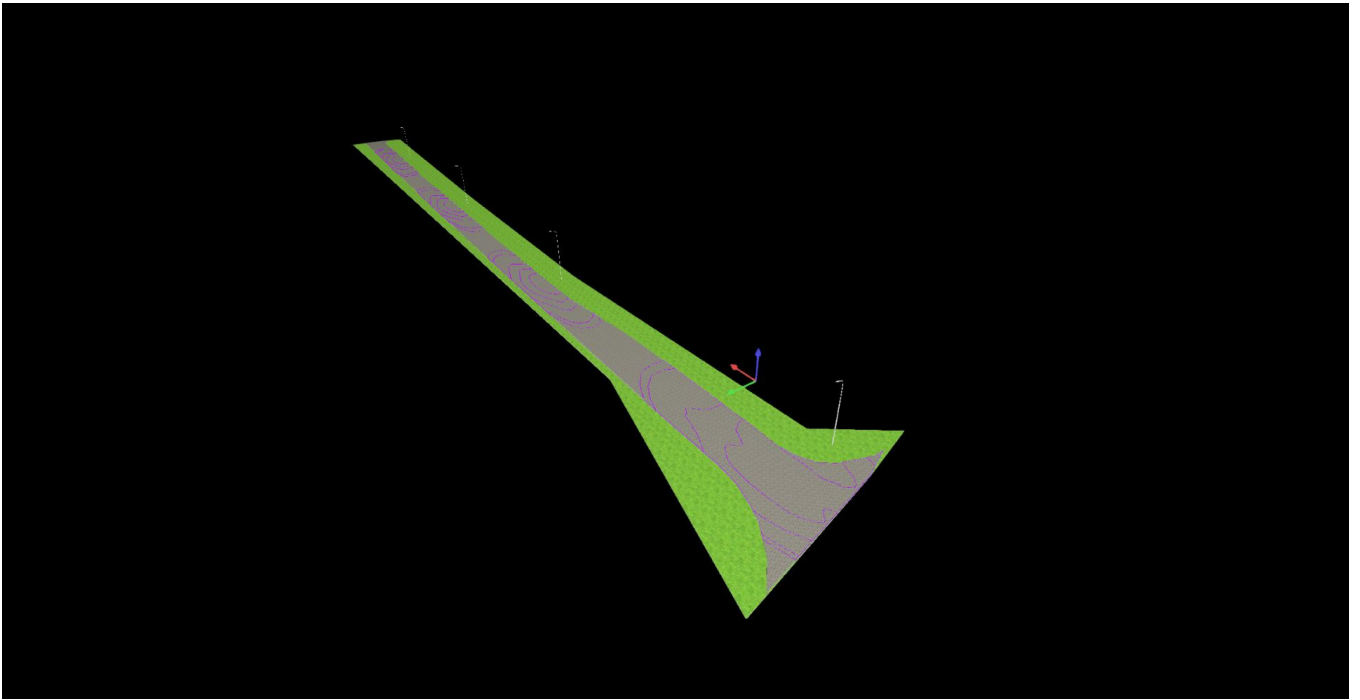
m	50.658	53.553
8.133	0.23	0.23
7.200	0.31	0.29
6.267	0.38	0.34
5.333	0.46	0.40
4.400	0.54	0.45
3.467	0.58	0.49

Vaateleja 2: Valgustihedus uuel paigaldisel [cd/m²] (Väärtuste tabel)

	L _m	L _{min}	L _{max}	U _o (g ₁)	g ₂
Vaateleja 2: Valgustihedus uuel paigaldisel	0.41 cd/m ²	0.16 cd/m ²	0.80 cd/m ²	0.39	0.20

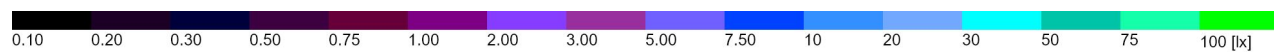
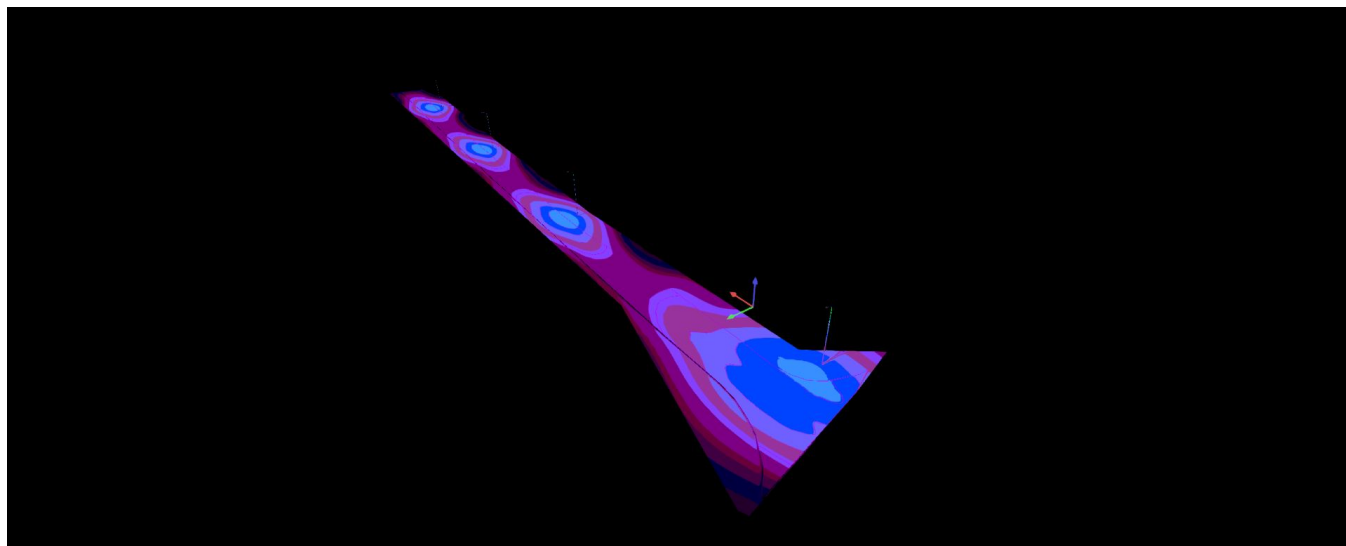
Territorium 1

Pildid



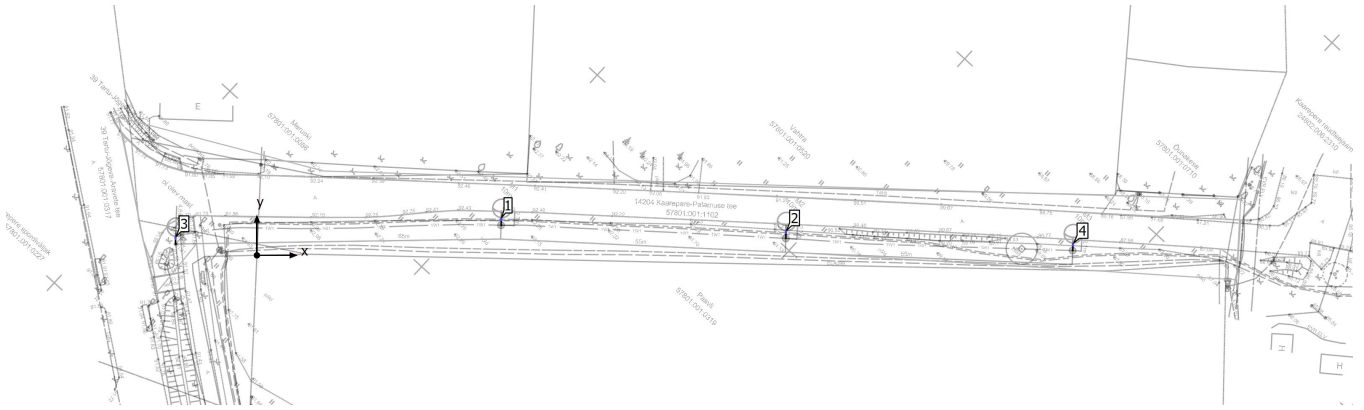
Territoorium 1

Pildid



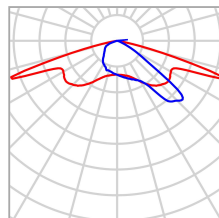
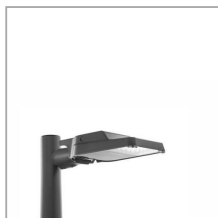
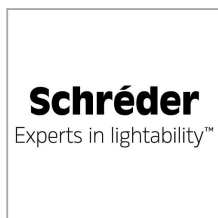
Territoorium 1

Valgustite asendiskeem



Territoorium 1

Valgustite asendiskeem



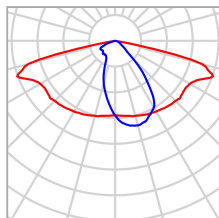
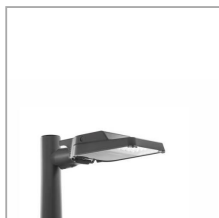
Tootja	Schröder	P	68.5 W
Artikli nimi	VITALUM EVO 1 / 5307 / 25 LEDs 880mA WW 730 68,5W / / 632772	Φ Valgusti	8071 lm
Varustatus	1x 25 LEDs 880mA WW 730		

Üksikud valgustid

X	Y	Paigalduskõrgus	Valgusti
-15.922 m	3.129 m	10.000 m	3

Territoorium 1

Valgustite asendiskeem



Tootja	Schröder	P	26.7 W
Artikli nimi	VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 632822	ΦValgusti	3737 lm
Varustatus	1x 25 LEDs 350mA WW 730		

Üksikud valgustid

X	Y	Paigalduskõrgus	Valgusti
47.781 m	6.830 m	10.000 m	1
103.491 m	4.327 m	10.000 m	2
159.596 m	1.879 m	10.000 m	4

Territoorium 1

Valgustite loend Φ_{kokku}

19282 lm

 P_{kokku}

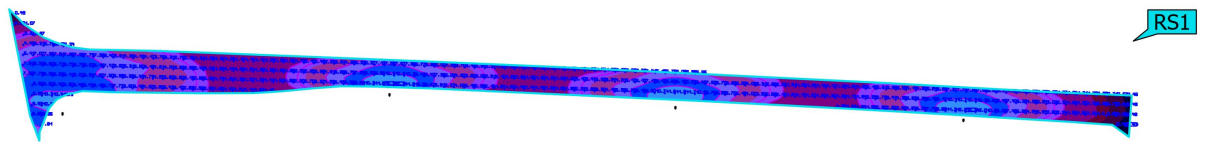
148.6 W

Valgusviljakus

129.8 lm/W

tk	Tootja	Artikli nr.	Artikli nimi	P	Φ	Valgusviljakus
1	Schröder		VITALUM EVO 1 / 5307 / 25 LEDs 880mA WW 730 68,5W / / 68.5 W 632772		8071 lm	117.8 lm/W
3	Schröder		VITALUM EVO 1 / 5399 / 25 LEDs 350mA WW 730 26,7W / / 26.7 W 632822		3737 lm	140.0 lm/W

Territoorium 1 (Valgustseen 1)

Tulemusobjekti pinnad 1

Atribuudid	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	g_2	Indeks
Tulemusobjekti pinnad 1 Ristine valgustustihedus (adaptiivne) Kõrgus: 0.100 m	4.68 lx	0.22 lx	12.4 lx	0.047	0.018	RS1

Kasutamisprofiil: DIALuxi eelsäte (5.1.4 Standard (liikluspind väljas))