

## **Staicele 2 daļā**

Lauku iela  
Cepļu iela  
Dzirnavu iela  
Liela iela  
Krasta iela  
Audēju iela  
Nākotnes iela  
Priežu iela  
Gravas iela  
Meža iela

Partner for Contact:  
Order No.:  
Company:  
Customer No.:

Date: 13.04.2015  
Operator:

Operator  
Telephone  
Fax  
e-Mail

## Table of contents

<b>Staicele 2 daļā</b>	
Project Cover	1
Table of contents	2
<b>RoadSpark SLIM 60W</b>	
Luminaire Data Sheet	6
<b>SIA Elinitor RoadSpark SLIM 80W</b>	
Luminaire Data Sheet	7
<b>Lauku iela</b>	
Planning data	8
Luminaire parts list	9
False Colour Rendering	10
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	11
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	12
<b>Observer 2</b>	
Isolines (L)	13
<b>Cepļu iela</b>	
Planning data	14
Luminaire parts list	15
False Colour Rendering	16
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	17
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	18
<b>Observer 2</b>	
Isolines (L)	19
<b>Dzirnavu iela</b>	
Planning data	20
Luminaire parts list	21
False Colour Rendering	22
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	23
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	24
<b>Observer 2</b>	
Isolines (L)	25
<b>Liela iela (pirmais posms)</b>	
Planning data	26
Luminaire parts list	27
False Colour Rendering	28
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	29
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	30
<b>Observer 2</b>	

Operator  
Telephone  
Fax  
e-Mail

## Table of contents

Isolines (L)	31
<b>Liela iela (otrais posms)</b>	
Planning data	32
Luminaire parts list	33
False Colour Rendering	34
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	35
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	36
<b>Observer 2</b>	
Isolines (L)	37
<b>Liela iela (trešais posms)</b>	
Planning data	38
Luminaire parts list	39
False Colour Rendering	40
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	41
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	42
<b>Observer 2</b>	
Isolines (L)	43
<b>Krasta iela</b>	
Planning data	44
Luminaire parts list	45
False Colour Rendering	46
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	47
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	48
<b>Observer 2</b>	
Isolines (L)	49
<b>Audēju iela</b>	
Planning data	50
Luminaire parts list	51
False Colour Rendering	52
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	53
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	54
<b>Observer 2</b>	
Isolines (L)	55
<b>Nākotnes iela</b>	
Planning data	56
Luminaire parts list	57
False Colour Rendering	58
<b>Valuation Fields</b>	

Operator  
Telephone  
Fax  
e-Mail

## Table of contents

<b>Valuation Field Roadway 1</b>	
Results overview	59
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	60
<b>Observer 2</b>	
Isolines (L)	61
<b>Priežu iela; Gravas iela; Meža iela</b>	
Planning data	62
Luminaire parts list	63
False Colour Rendering	64
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	65
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	66
<b>Observer 2</b>	
Isolines (L)	67
<b>Salacas iela</b>	
Planning data	68
Luminaire parts list	69
False Colour Rendering	70
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	71
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	72
<b>Observer 2</b>	
Isolines (L)	73
<b>Ceriņu iela</b>	
Planning data	74
Luminaire parts list	75
False Colour Rendering	76
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	77
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	78
<b>Observer 2</b>	
Isolines (L)	79
<b>Lazdu iela</b>	
Planning data	80
Luminaire parts list	81
False Colour Rendering	82
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	83
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	84
<b>Observer 2</b>	

Operator  
Telephone  
Fax  
e-Mail

---

## Table of contents

---

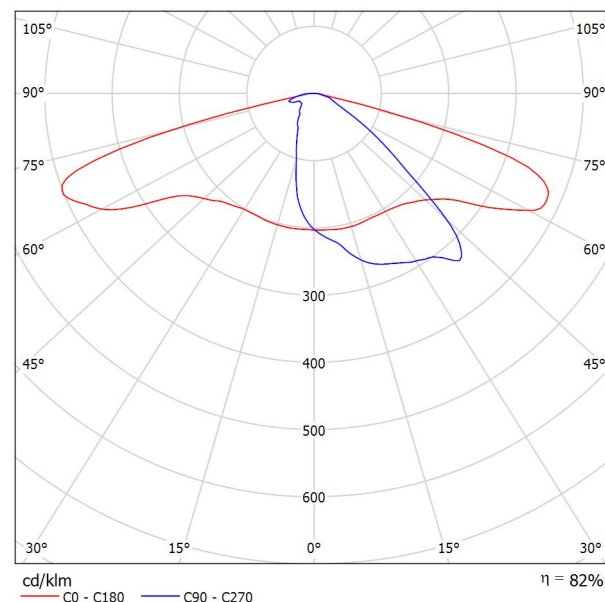
Isolines (L)	85
<b>Liepu iela</b>	
Planning data	86
Luminaire parts list	87
False Colour Rendering	88
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	89
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	90
<b>Observer 2</b>	
Isolines (L)	91
<b>Gājēju celiņš</b>	
Planning data	92
Luminaire parts list	93
False Colour Rendering	94
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	95

Operator  
Telephone  
Fax  
e-Mail

## RoadSpark SLIM 60W / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82

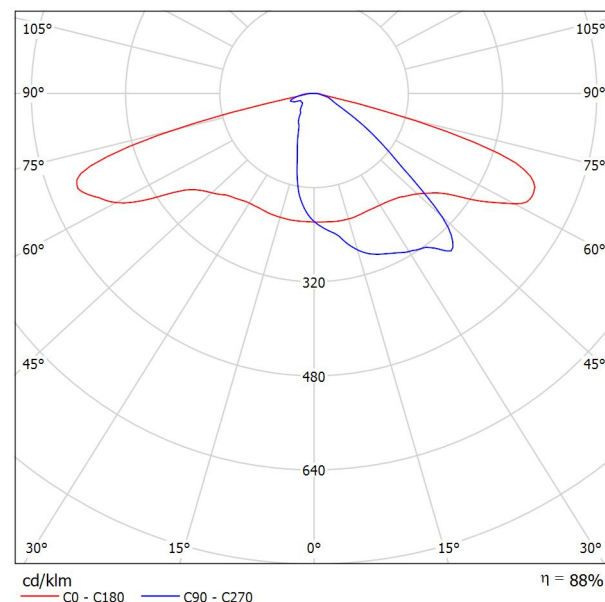
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

Operator  
Telephone  
Fax  
e-Mail

## SIA Elnitor RoadSpark SLIM 80W / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88

Due to missing symmetry properties, no UGR table  
can be displayed for this luminaire.

Operator  
Telephone  
Fax  
e-Mail

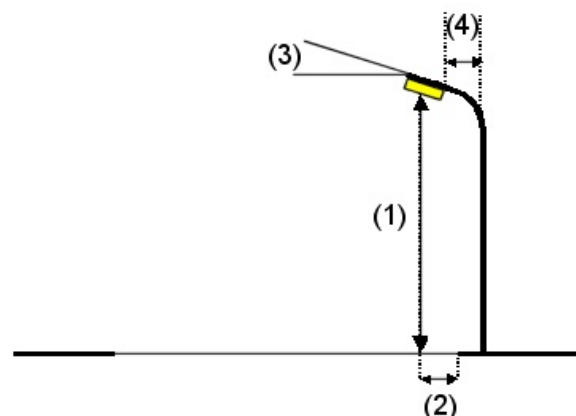
## Lauku iela / Planning data

### Street Profile

Roadway 1 (Width: 3.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	42.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.4.



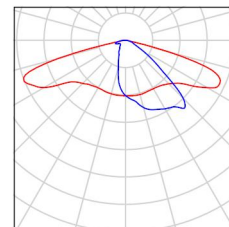
Operator  
Telephone  
Fax  
e-Mail

---

## Lauku iela / Luminaire parts list

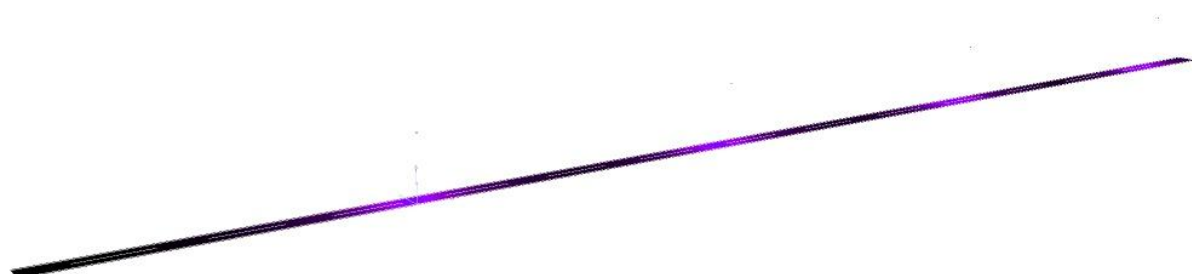
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

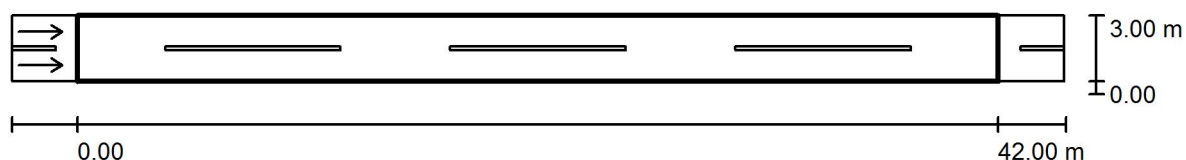
## Lauku iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Lauku iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:344

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

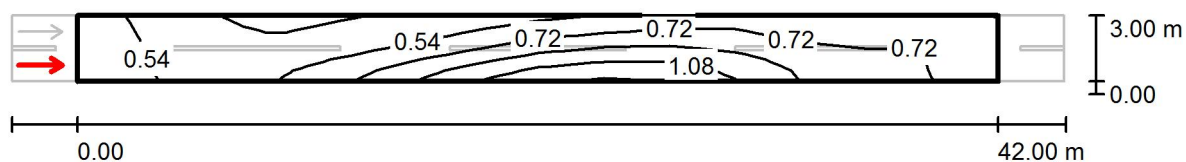
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.68	0.46	0.40	13	0.93
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.68	0.46	0.40	13
2	Observer 2	(-60.000, 2.250, 1.500)	0.72	0.46	0.44	12

Operator  
Telephone  
Fax  
e-Mail

### Lauku iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 344

Grid: 14 x 6 Points

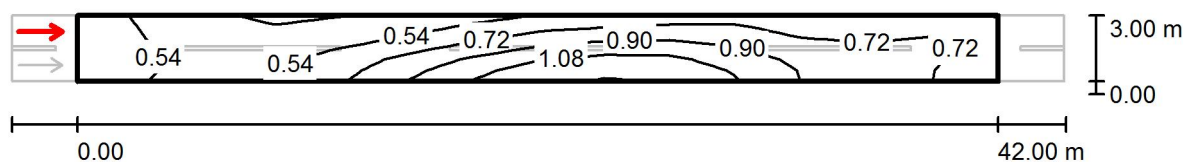
Observer Position: (-60.000 m, 0.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.68	0.46	0.40	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Lauku iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 344

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.72	0.46	0.44	12
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

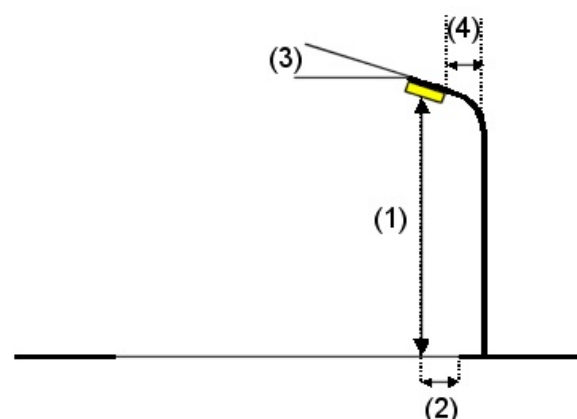
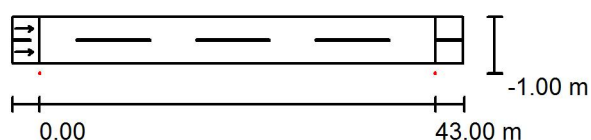
## Cepļu iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	43.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.4.

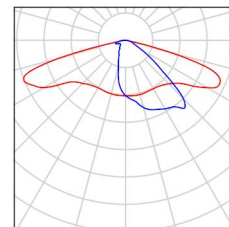
Operator  
Telephone  
Fax  
e-Mail

---

## Cepļu iela / Luminaire parts list

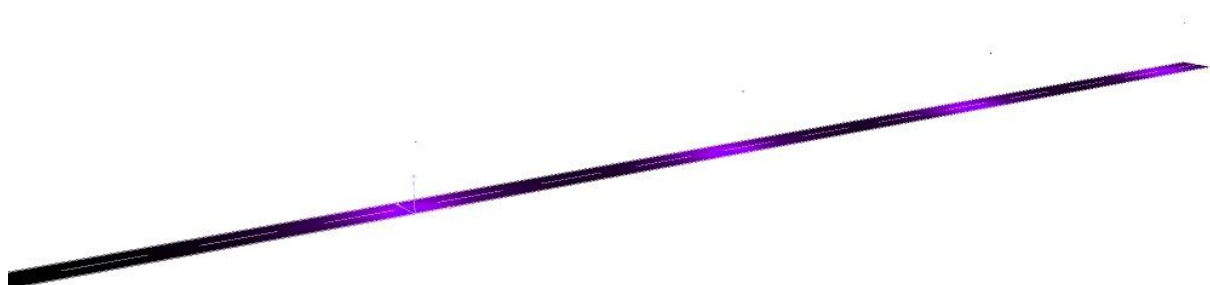
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Cepļu iela / False Colour Rendering

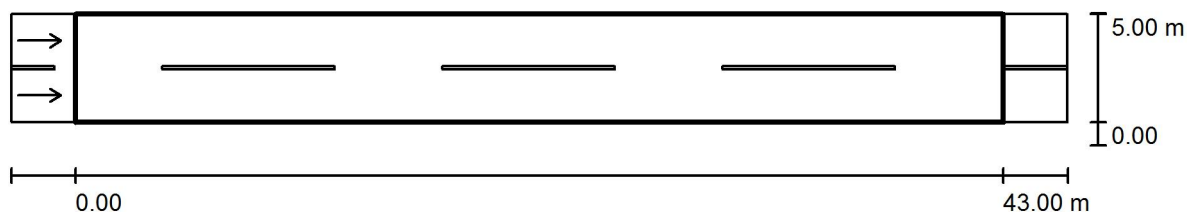


0 20 30 40 50 70 90 120 300 lx



Operator  
Telephone  
Fax  
e-Mail

## Ceļu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:351

Grid: 15 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

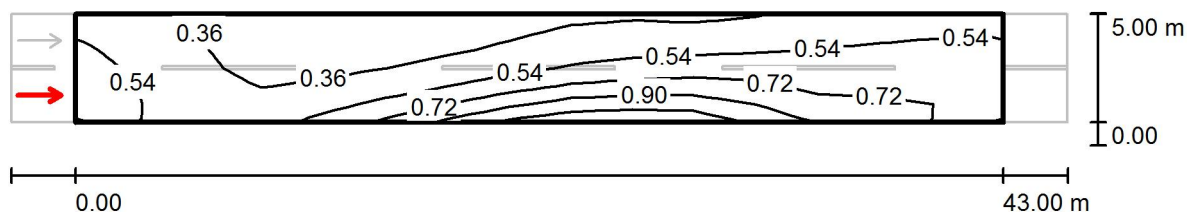
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.54	0.43	0.40	15	0.83
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.54	0.44	0.40	15
2	Observer 2	(-60.000, 3.750, 1.500)	0.59	0.43	0.53	11

Operator  
Telephone  
Fax  
e-Mail

### Cepļu iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 351

Grid: 15 x 6 Points

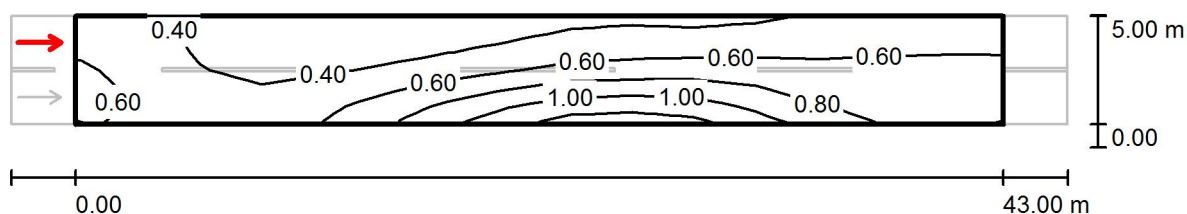
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.54	0.44	0.40	15
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Cepļu iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 351

Grid: 15 x 6 Points

Observer Position: (-60.000 m, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.59	0.43	0.53	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

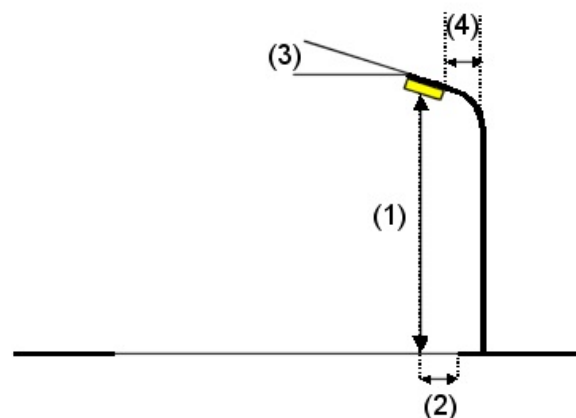
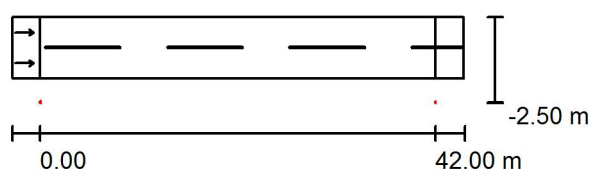
## Dzirnavu iela / Planning data

### Street Profile

Roadway 1 (Width: 6.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Arrangement: Single row, bottom  
Pole Distance: 42.000 m  
Mounting Height (1): 8.700 m  
Height: 8.700 m  
Overhang (2): -2.500 m  
Boom Angle (3): 5.0 °  
Boom Length (4): 2.000 m

#### Maximum luminous intensities

at 70°: 501 cd/klm  
at 80°: 188 cd/klm  
at 90°: 19 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 95°.

Arrangement complies with luminous intensity class G1.

Arrangement complies with glare index class D.4.

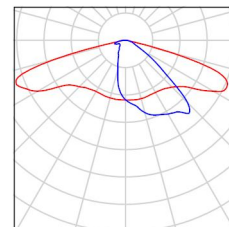
Operator  
Telephone  
Fax  
e-Mail

---

**Dzirnavu iela / Luminaire parts list**

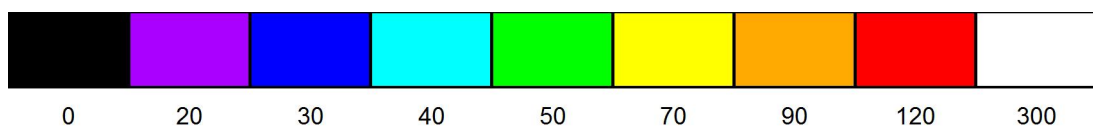
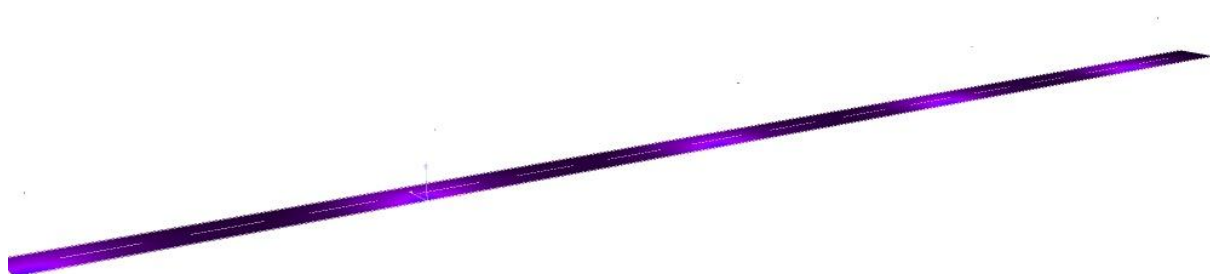
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



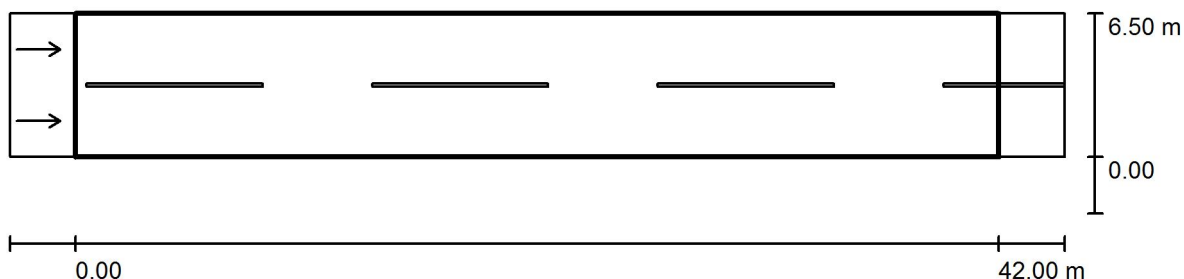
Operator  
Telephone  
Fax  
e-Mail

## Dzirnavu iela / False Colour Rendering



Operator  
Telephone  
Fax  
e-Mail

## Dzirnavu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:344

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

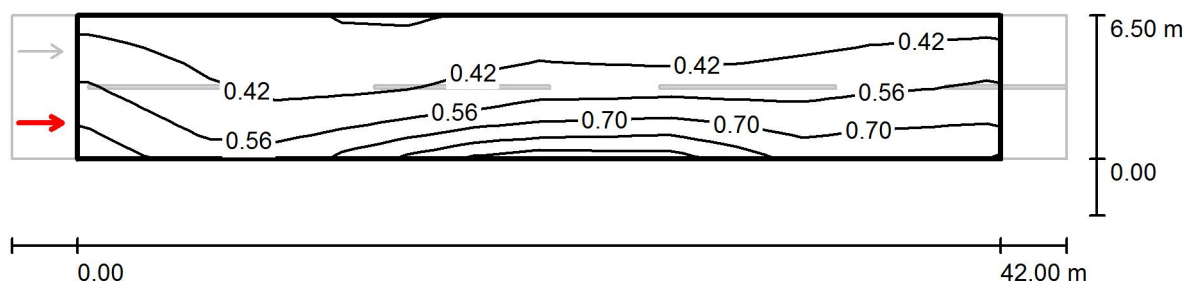
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.52	0.50	0.59	15	0.81
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.625, 1.500)	0.52	0.53	0.59	15
2	Observer 2	(-60.000, 4.875, 1.500)	0.57	0.50	0.74	10

Operator  
Telephone  
Fax  
e-Mail

### Dzirnavu iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 344

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 1.625 m, 1.500 m)

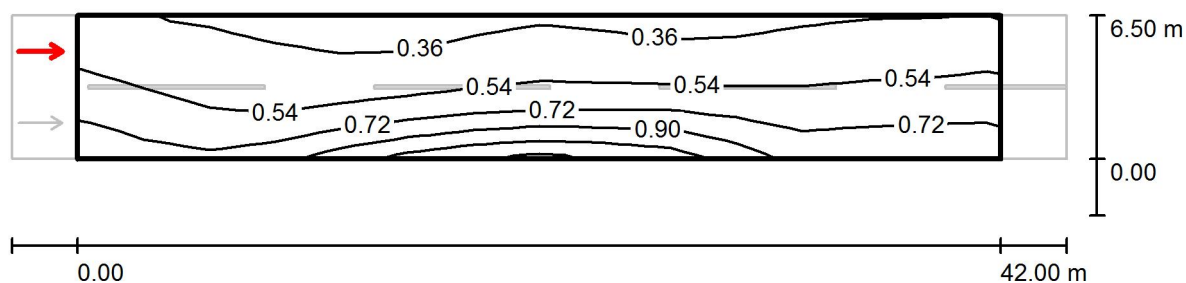
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.52	0.53	0.59	15
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓



Operator  
Telephone  
Fax  
e-Mail

### Dzirnavu iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 344

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 4.875 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.57	0.50	0.74	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

## Liela iela (pirmais posms) / Planning data

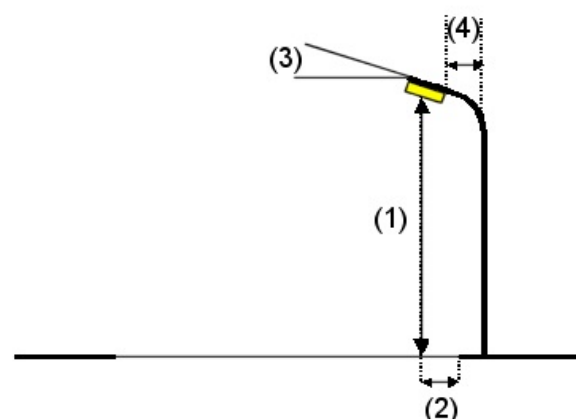
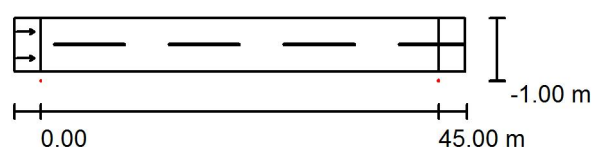
No P15 līdz tiltam

### Street Profile

Roadway 1 (Width: 6.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W
Luminous flux (Luminaire):	8081 lm
Luminous flux (Lamps):	9200 lm
Luminaire Wattage:	80.0 W
Arrangement:	Single row, bottom
Pole Distance:	45.000 m
Mounting Height (1):	8.500 m
Height:	8.500 m
Overhang (2):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

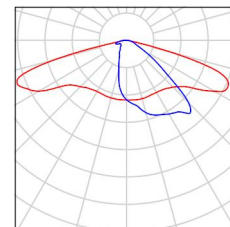
---

## Liela iela (pirmais posms) / Luminaire parts list

---

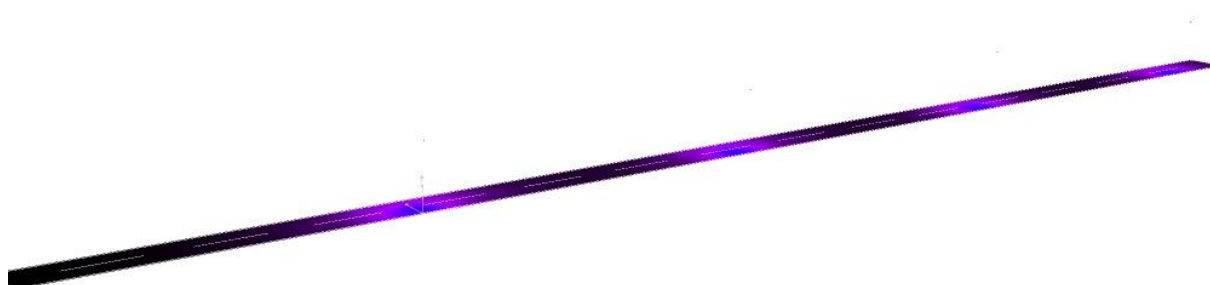
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

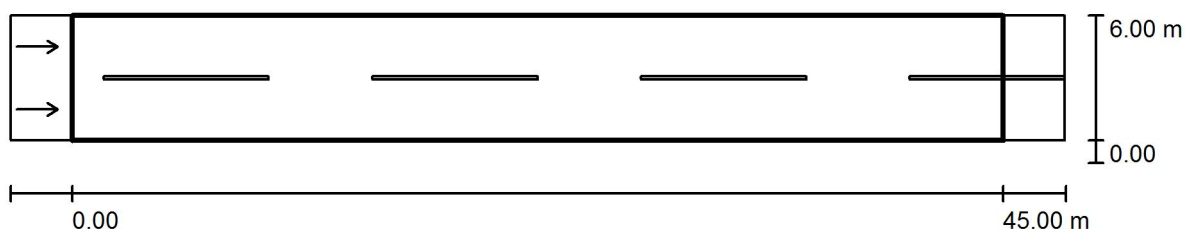
## Liela iela (pirmais posms) / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Liela iela (pirmais posms) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:365

Grid: 15 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

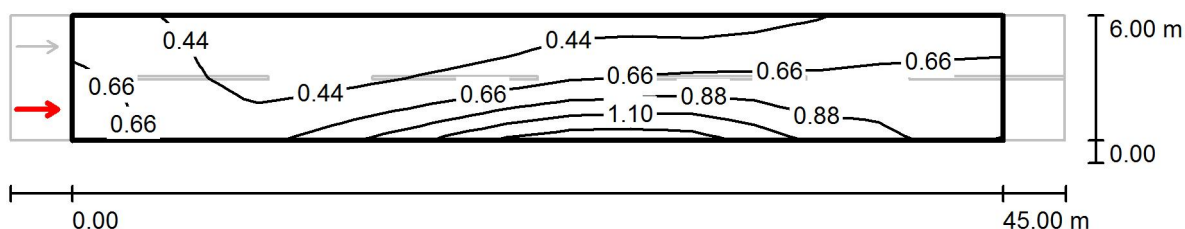
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.63	0.41	0.42	15	0.76
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	0.63	0.43	0.42	15
2	Observer 2	(-60.000, 4.500, 1.500)	0.69	0.41	0.54	11

Operator  
Telephone  
Fax  
e-Mail

### Liela iela (pirmais posms) / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 365

Grid: 15 x 6 Points

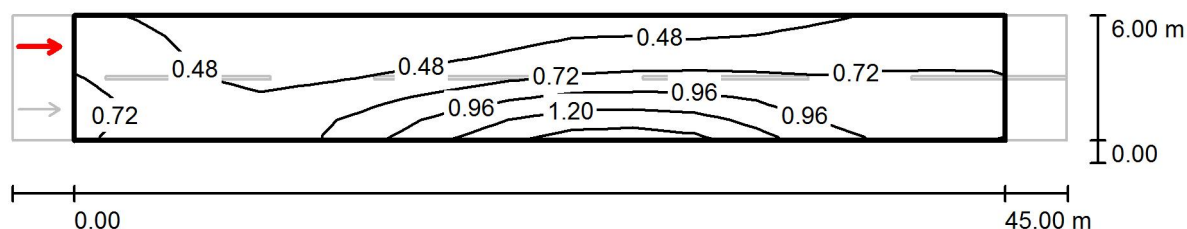
Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.63	0.43	0.42	15
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Liela iela (pirmais posms) / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 365

Grid: 15 x 6 Points

Observer Position: (-60.000 m, 4.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.69	0.41	0.54	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

## Liela iela (otrais posms) / Planning data

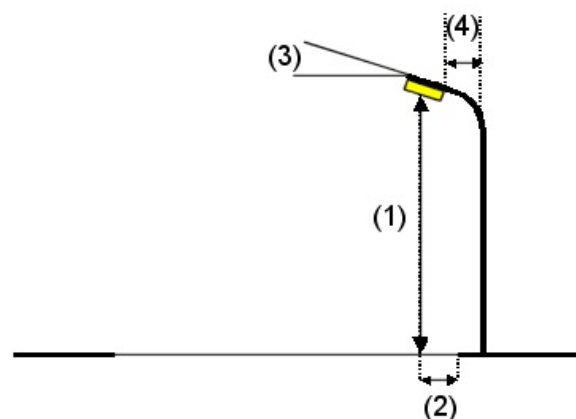
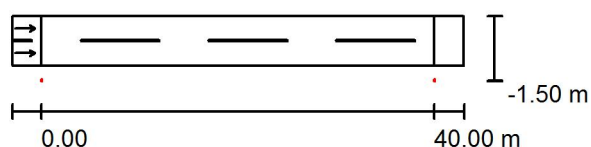
No tilta līdz Audēju ielai

### Street Profile

Roadway 1 (Width: 5.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 40.000 m  
 Mounting Height (1): 8.000 m  
 Height: 8.000 m  
 Overhang (2): -1.500 m  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

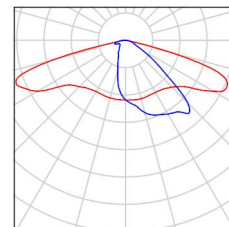


Operator  
Telephone  
Fax  
e-Mail

## Liela iela (otrais posms) / Luminaire parts list

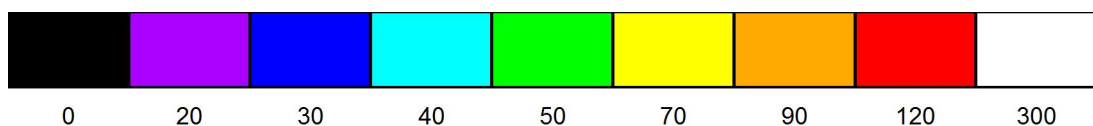
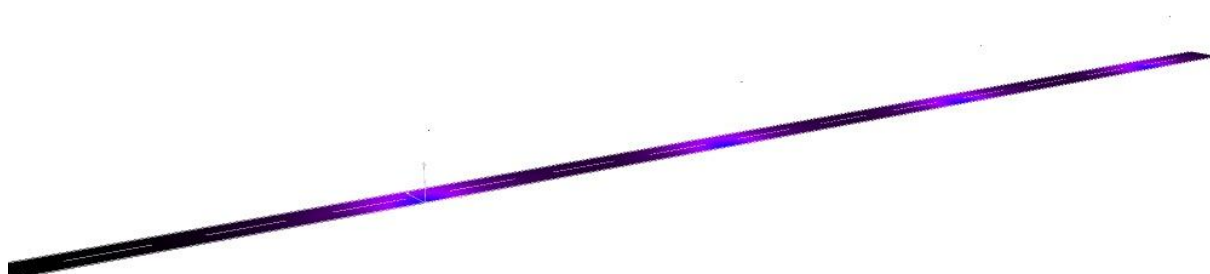
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 0.900).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Liela iela (otrais posms) / False Colour Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

## Liela iela (otrais posms) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:329

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

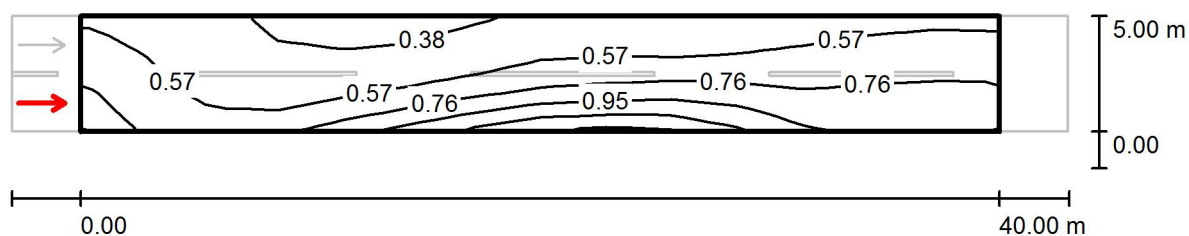
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.65	0.48	0.49	15	0.82
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.65	0.48	0.49	15
2	Observer 2	(-60.000, 3.750, 1.500)	0.71	0.48	0.62	11

Operator  
Telephone  
Fax  
e-Mail

### Liela iela (otrais posms) / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

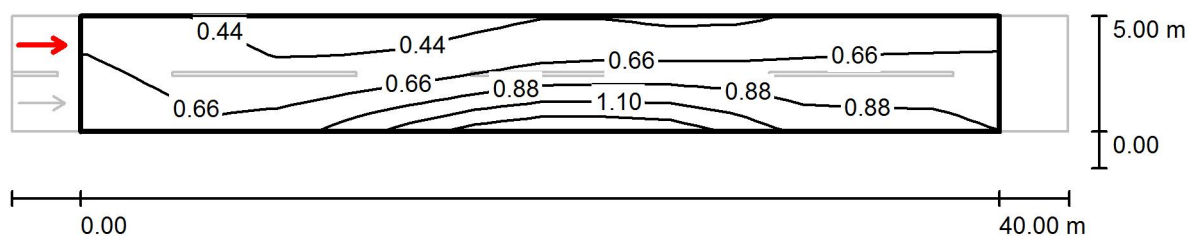
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.65	0.48	0.49	15
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Liela iela (otrais posms) / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.71	0.48	0.62	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

## Liela iela (trešais posms) / Planning data

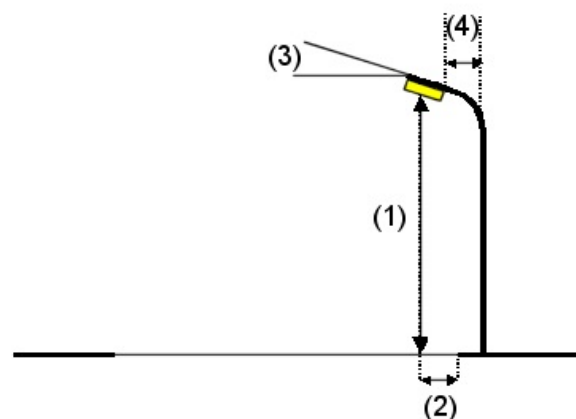
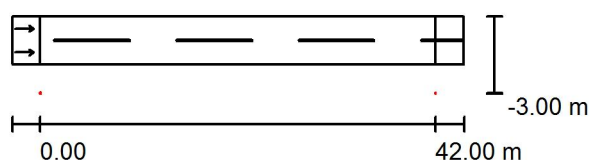
No Audēju ielas līdz Staiceles kapiem

### Street Profile

Roadway 1 (Width: 5.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Arrangement: Single row, bottom  
Pole Distance: 42.000 m  
Mounting Height (1): 8.500 m  
Height: 8.500 m  
Overhang (2): -3.000 m  
Boom Angle (3): 5.0 °  
Boom Length (4): 2.000 m

Maximum luminous intensities  
at 70°: 501 cd/klm  
at 80°: 188 cd/klm  
at 90°: 19 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 95°.

Arrangement complies with luminous intensity class G1.

Arrangement complies with glare index class D.4.

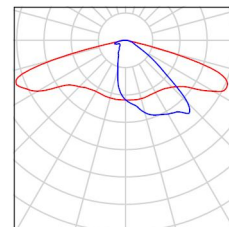
Operator  
Telephone  
Fax  
e-Mail

---

## Liela iela (trešais posms) / Luminaire parts list

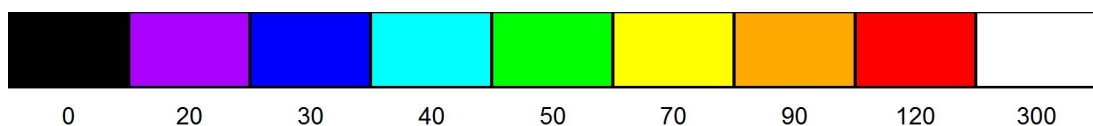
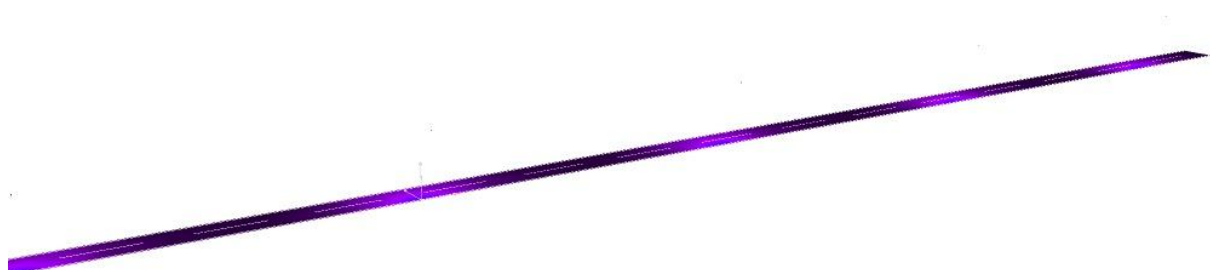
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Liela iela (trešais posms) / False Colour Rendering

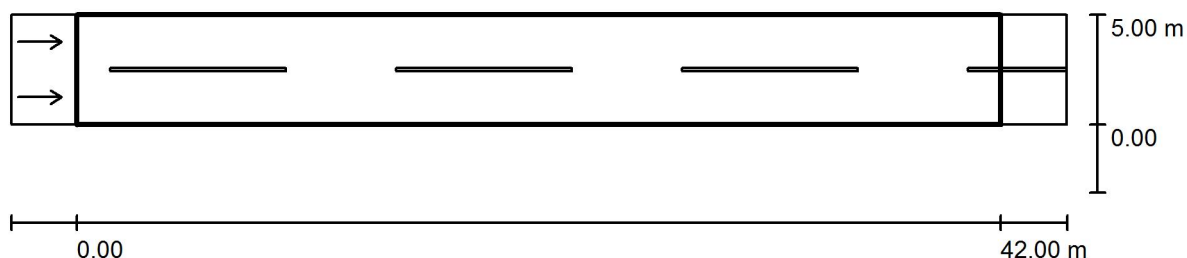


lx



Operator  
Telephone  
Fax  
e-Mail

## Liela iela (trešais posms) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:344

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

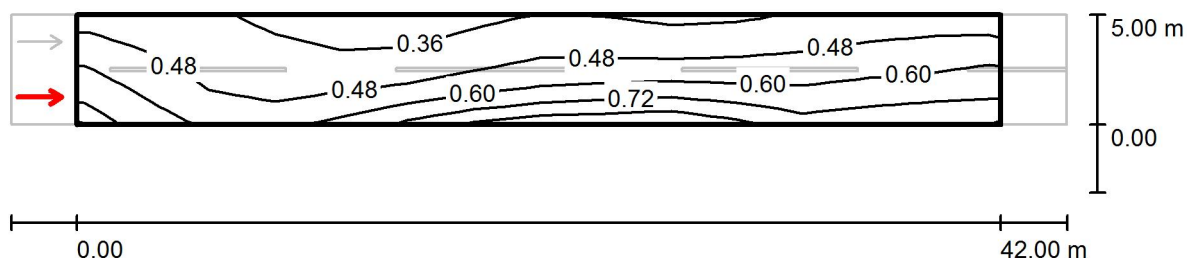
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.53	0.55	0.60	15	0.90
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.53	0.56	0.60	15
2	Observer 2	(-60.000, 3.750, 1.500)	0.57	0.55	0.70	11

Operator  
Telephone  
Fax  
e-Mail

### Liela iela (trešais posms) / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 344

Grid: 14 x 6 Points

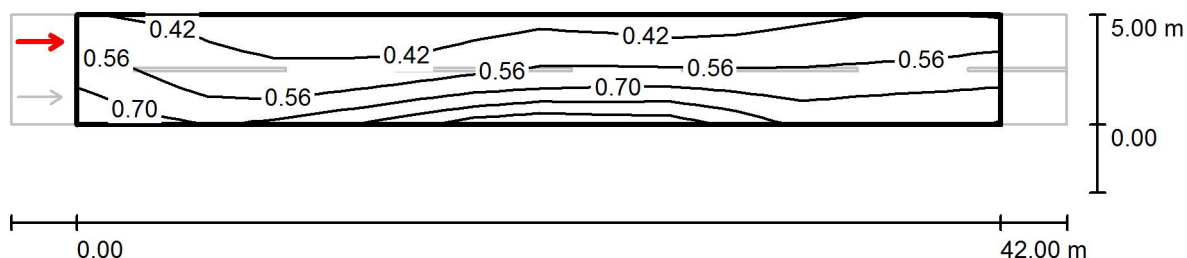
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.53	0.56	0.60	15
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Liela iela (trešais posms) / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 344

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.57	0.55	0.70	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

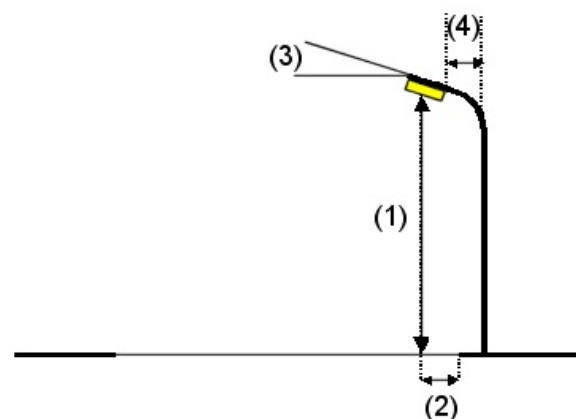
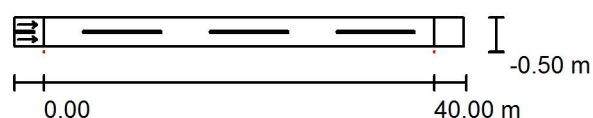
## Krasta iela / Planning data

### Street Profile

Roadway 1 (Width: 3.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	40.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.4.

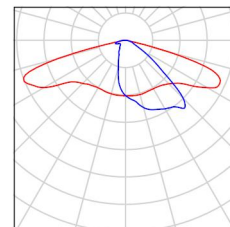
Operator  
Telephone  
Fax  
e-Mail

---

## Krasta iela / Luminaire parts list

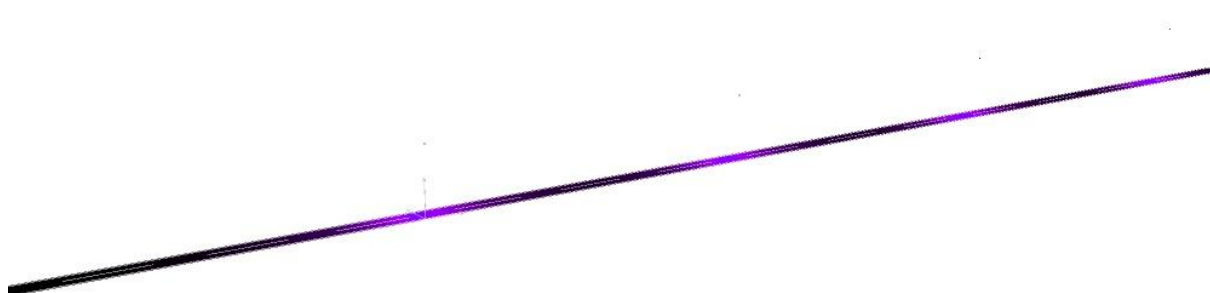
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

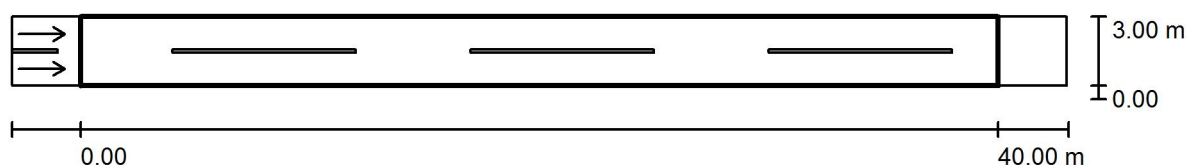
## Krasta iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Krasta iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:329

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

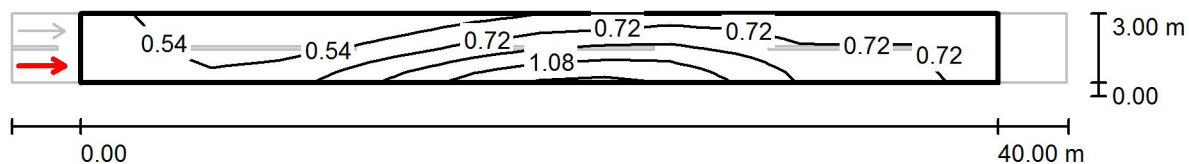
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.72	0.49	0.46	13	0.93
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.72	0.49	0.46	13
2	Observer 2	(-60.000, 2.250, 1.500)	0.76	0.49	0.49	11

Operator  
Telephone  
Fax  
e-Mail

### Krasta iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 0.750 m, 1.500 m)

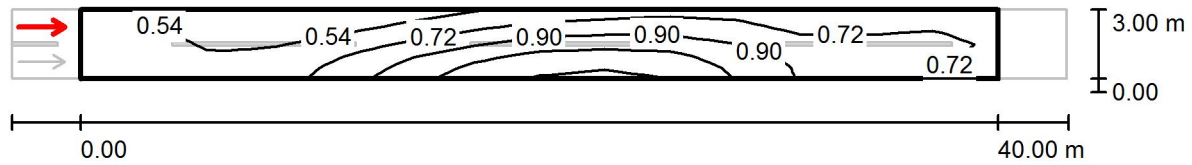
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.72	0.49	0.46	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



Operator  
Telephone  
Fax  
e-Mail

### Krasta iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.76	0.49	0.49	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

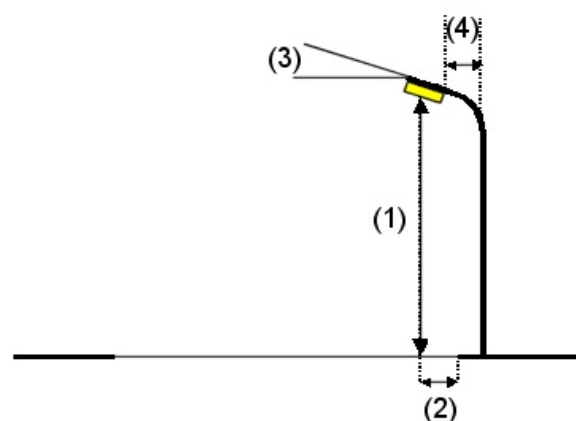
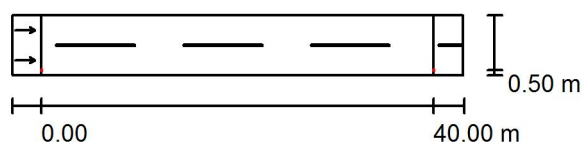
## Audēju iela / Planning data

### Street Profile

Roadway 1 (Width: 6.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	40.000 m
Mounting Height (1):	8.500 m
Height:	8.500 m
Overhang (2):	0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.4.

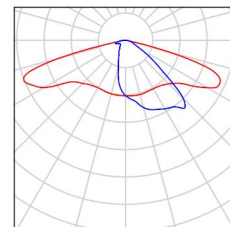
Operator  
Telephone  
Fax  
e-Mail

---

## Audēju iela / Luminaire parts list

RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Audēju iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Audēju iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:329

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

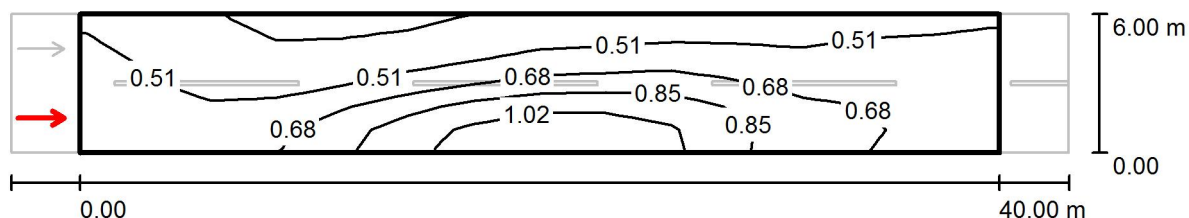
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.63	0.50	0.52	13	0.73
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	0.63	0.50	0.52	13
2	Observer 2	(-60.000, 4.500, 1.500)	0.66	0.52	0.60	10

Operator  
Telephone  
Fax  
e-Mail

### Audēju iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 329

Grid: 14 x 6 Points

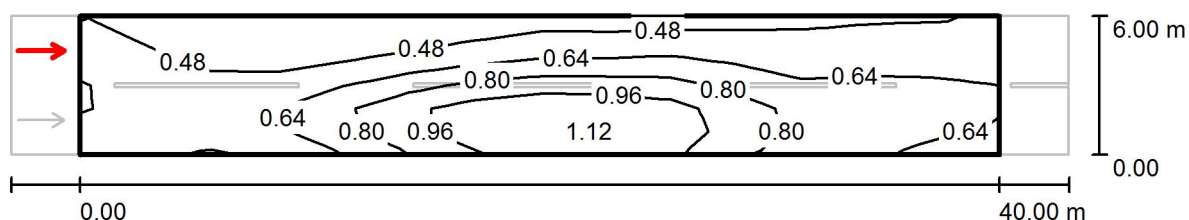
Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.63	0.50	0.52	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Audēju iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 4.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.66	0.52	0.60	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

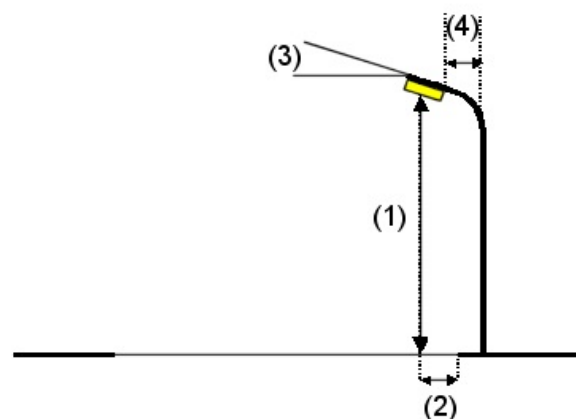
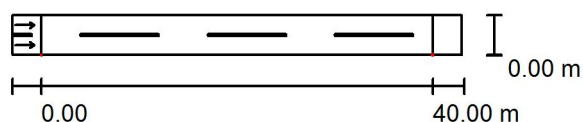
## Nākotnes iela / Planning data

### Street Profile

Roadway 1 (Width: 4.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	40.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.4.

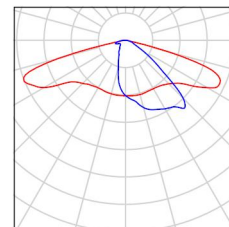


Operator  
Telephone  
Fax  
e-Mail

## Nākotnes iela / Luminaire parts list

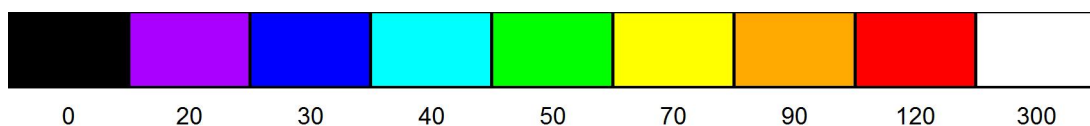
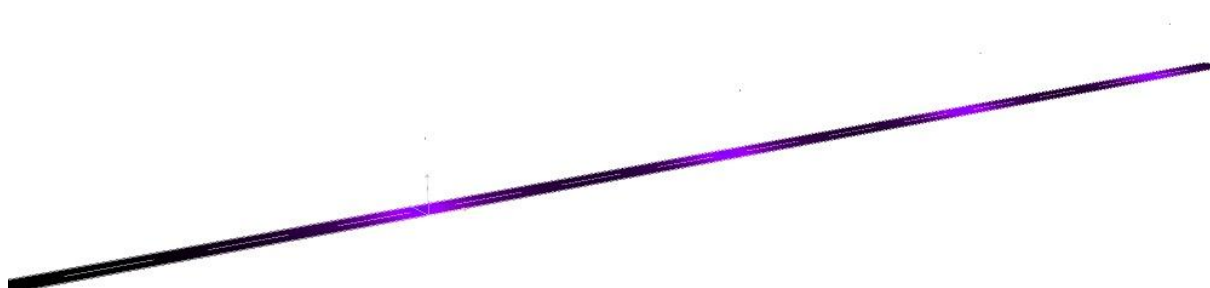
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

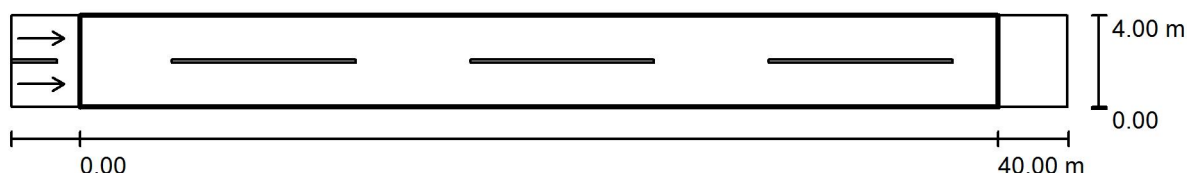
## Nākotnes iela / False Colour Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

## Nākotnes iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:329

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

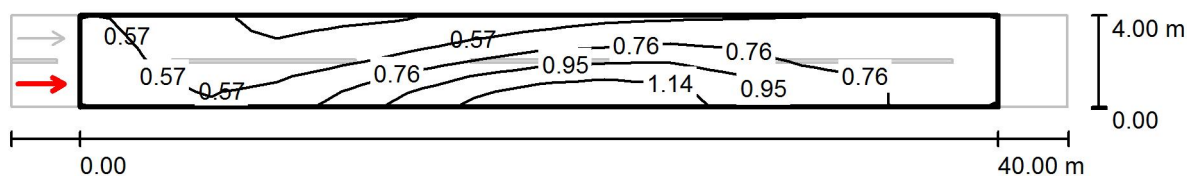
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.71	0.48	0.44	13	0.86
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.000, 1.500)	0.71	0.49	0.44	13
2	Observer 2	(-60.000, 3.000, 1.500)	0.75	0.48	0.50	11

Operator  
Telephone  
Fax  
e-Mail

### Nākotnes iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

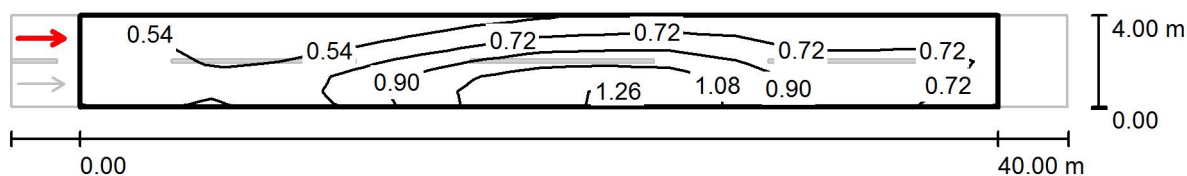
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.71	0.49	0.44	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Nākotnes iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 329

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 3.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.75	0.48	0.50	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

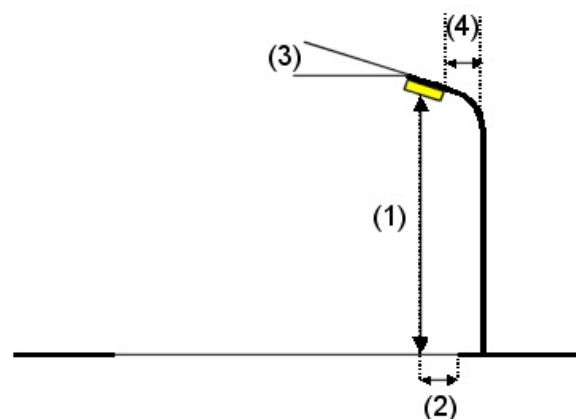
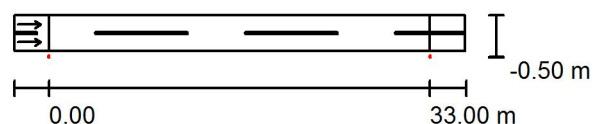
## Priežu iela; Gravas iela; Meža iela / Planning data

### Street Profile

Roadway 1 (Width: 3.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	33.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

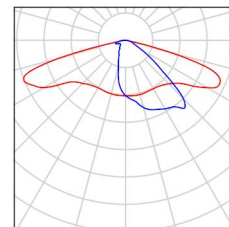
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Priežu iela; Gravas iela; Meža iela / Luminaire parts list

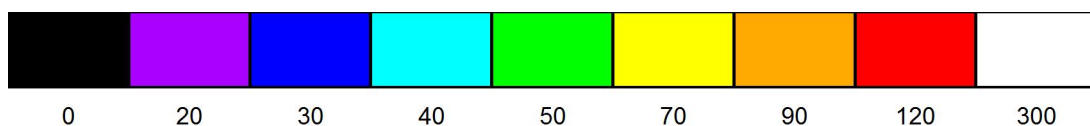
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Priežu iela; Gravas iela; Meža iela / False Colour Rendering

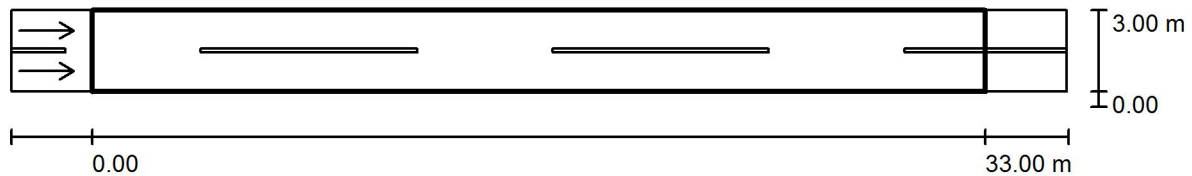


lx



Operator  
Telephone  
Fax  
e-Mail

## Priežu iela; Gravas iela; Meža iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:279

Grid: 11 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

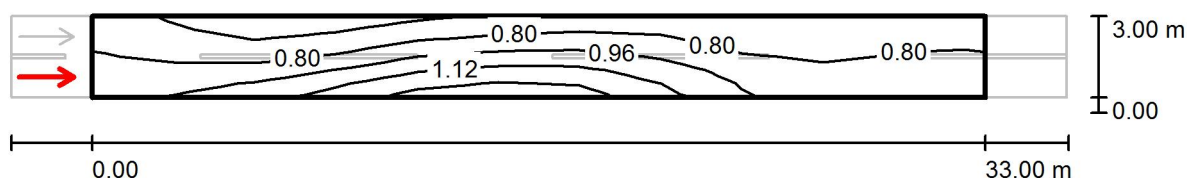
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.87	0.63	0.67	11	0.93
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.87	0.63	0.67	11
2	Observer 2	(-60.000, 2.250, 1.500)	0.92	0.65	0.75	10

Operator  
Telephone  
Fax  
e-Mail

# Priežu iela; Gravas iela; Meža iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 279

Grid: 11 x 6 Points

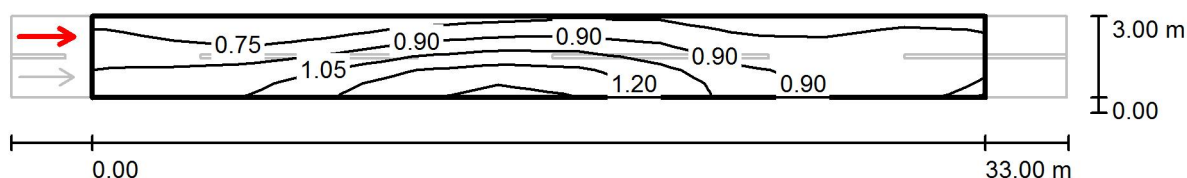
Observer Position: (-60.000 m, 0.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.87	0.63	0.67	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

## Priežu iela; Gravas iela; Meža iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 279

Grid: 11 x 6 Points

Observer Position: (-60.000 m, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.92	0.65	0.75	10
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

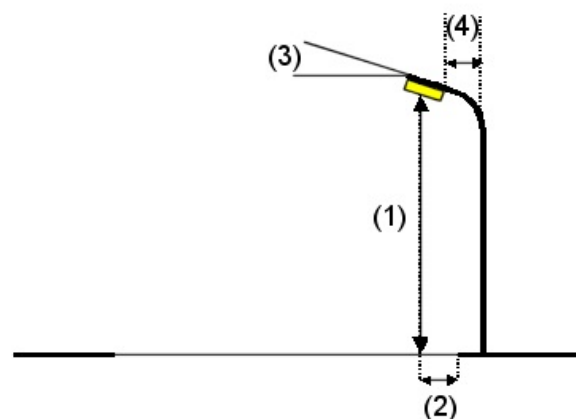
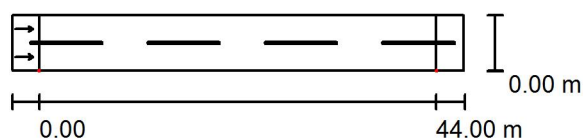
## Salacas iela / Planning data

### Street Profile

Roadway 1 (Width: 6.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 44.000 m  
 Mounting Height (1): 9.000 m  
 Height: 9.000 m  
 Overhang (2): 0.000 m  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 1.500 m

Maximum luminous intensities  
 at 70°: 492 cd/klm  
 at 80°: 103 cd/klm  
 at 90°: 13 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

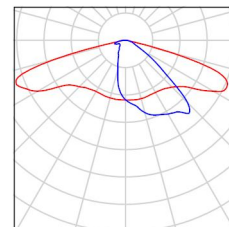
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Salacas iela / Luminaire parts list

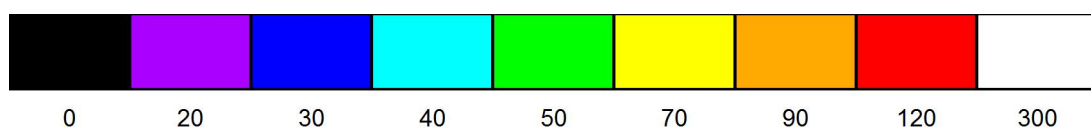
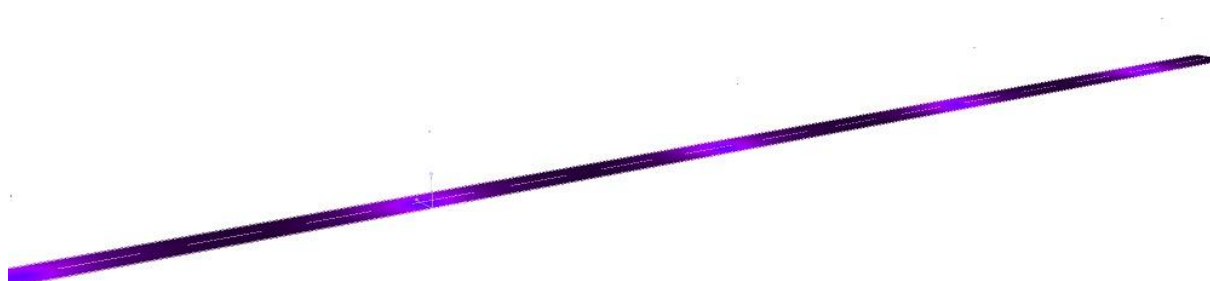
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

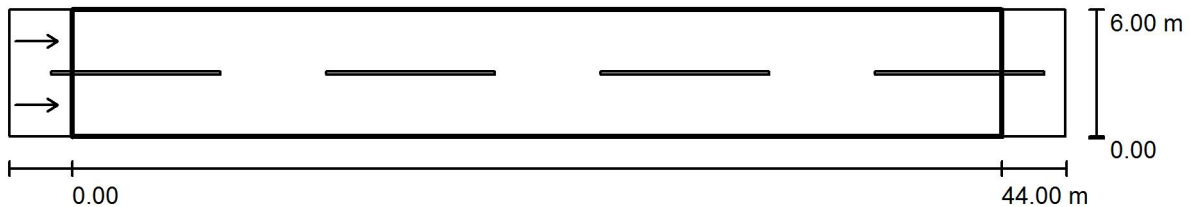
## Salacas iela / False Colour Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

## Salacas iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:358

Grid: 15 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

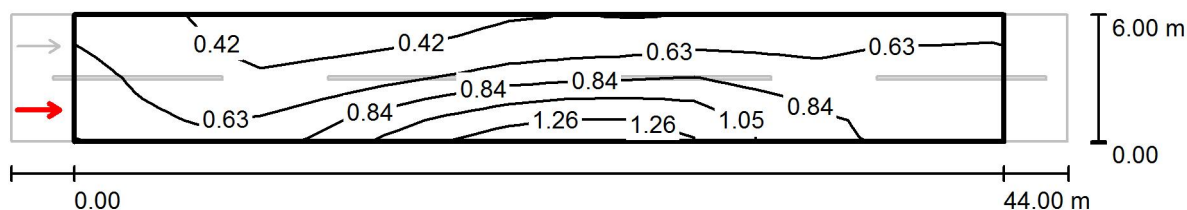
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.70	0.48	0.48	13	0.78
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	0.70	0.48	0.48	13
2	Observer 2	(-60.000, 4.500, 1.500)	0.75	0.49	0.59	10

Operator  
Telephone  
Fax  
e-Mail

### Salacas iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 358

Grid: 15 x 6 Points

Observer Position: (-60.000 m, 1.500 m, 1.500 m)

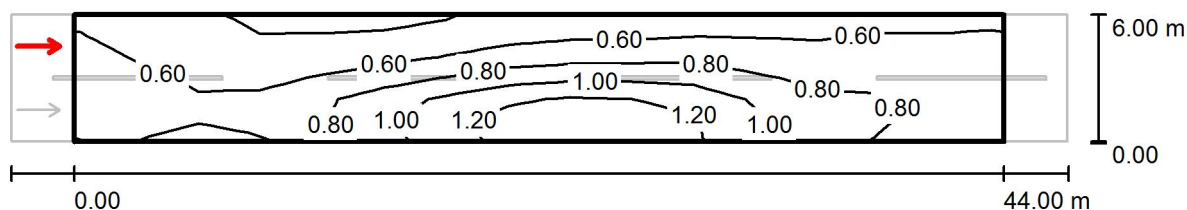
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.70	0.48	0.48	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



Operator  
Telephone  
Fax  
e-Mail

### Salacas iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 358

Grid: 15 x 6 Points

Observer Position: (-60.000 m, 4.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.75	0.49	0.59	10
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

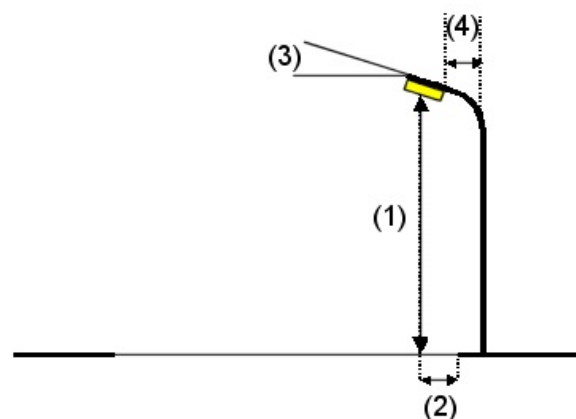
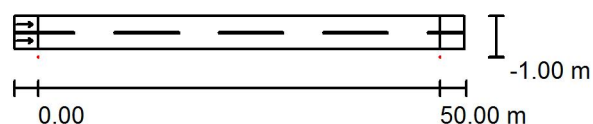
## Cerīņu iela / Planning data

### Street Profile

Roadway 1 (Width: 4.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W
Luminous flux (Luminaire):	8081 lm
Luminous flux (Lamps):	9200 lm
Luminaire Wattage:	80.0 W
Arrangement:	Single row, bottom
Pole Distance:	50.000 m
Mounting Height (1):	9.500 m
Height:	9.500 m
Overhang (2):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

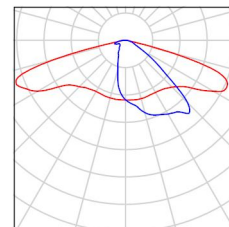
Operator  
Telephone  
Fax  
e-Mail

---

**Ceriņu iela / Luminaire parts list**

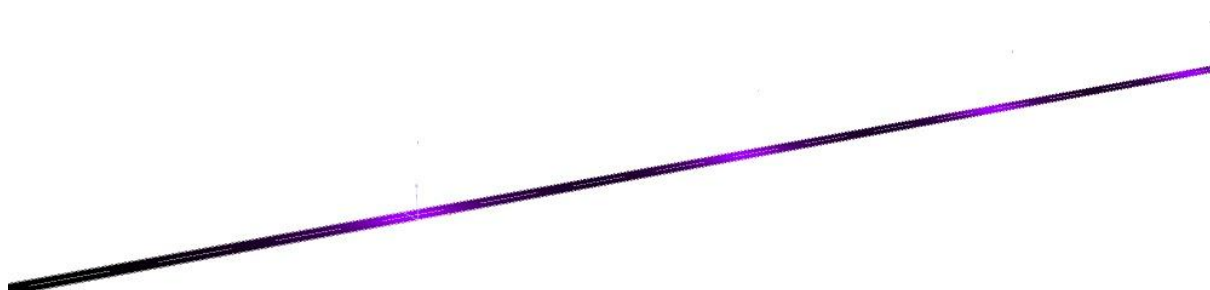
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

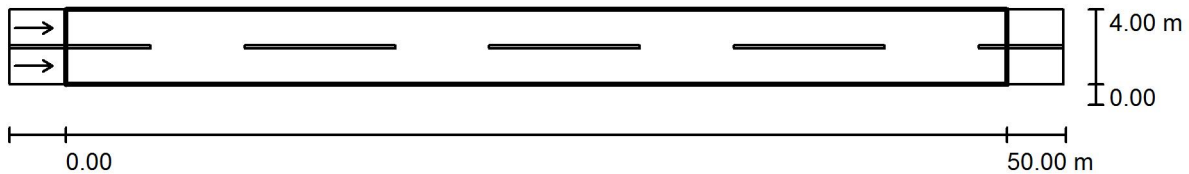
## Ceriņu iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Ceriņu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:401

Grid: 17 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

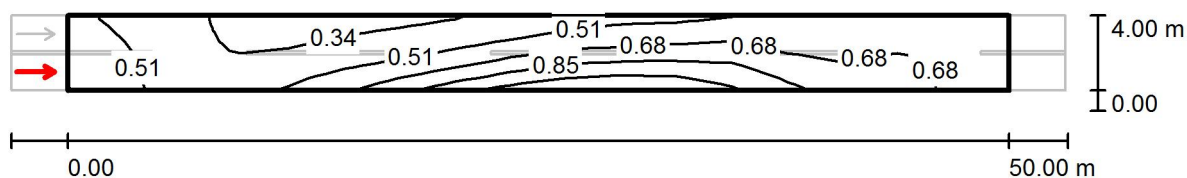
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.60	0.46	0.41	13	0.92
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.000, 1.500)	0.60	0.48	0.41	13
2	Observer 2	(-60.000, 3.000, 1.500)	0.64	0.46	0.46	11

Operator  
Telephone  
Fax  
e-Mail

### Ceriņu iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 401

Grid: 17 x 6 Points

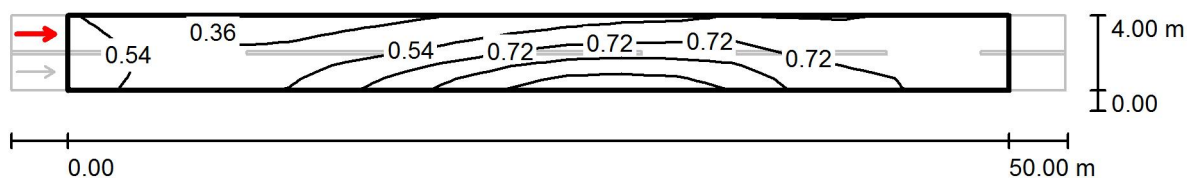
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.60	0.48	0.41	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Ceriņu iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 401

Grid: 17 x 6 Points

Observer Position: (-60.000 m, 3.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.64	0.46	0.46	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

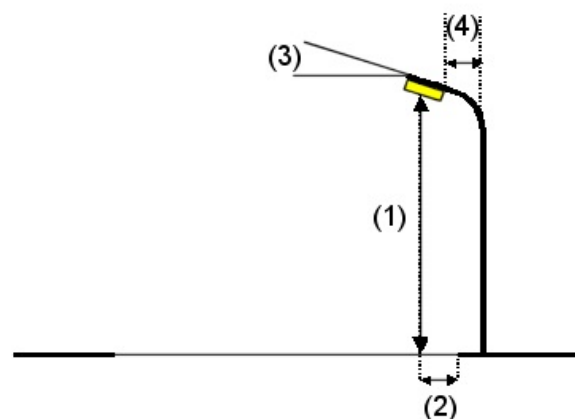
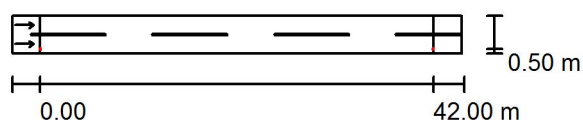
## Lazdu iela / Planning data

### Street Profile

Roadway 1 (Width: 4.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	42.000 m
Mounting Height (1):	9.000 m
Height:	9.000 m
Overhang (2):	0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.4.

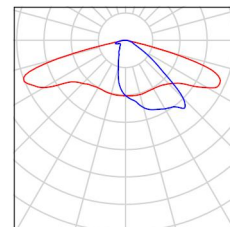


Operator  
Telephone  
Fax  
e-Mail

## Lazdu iela / Luminaire parts list

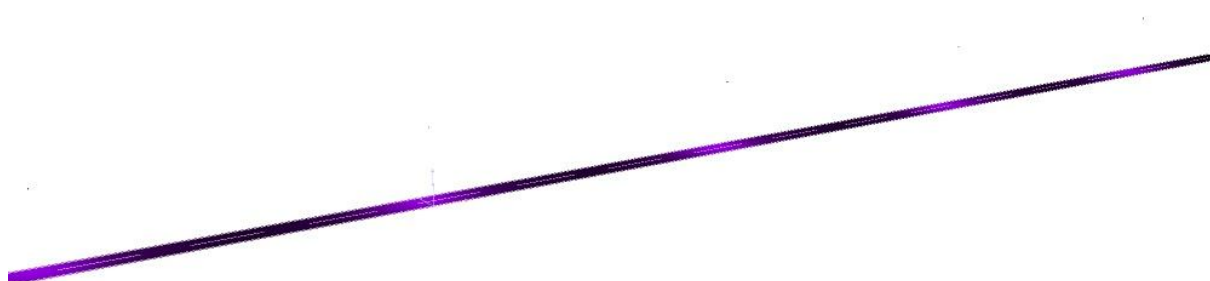
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

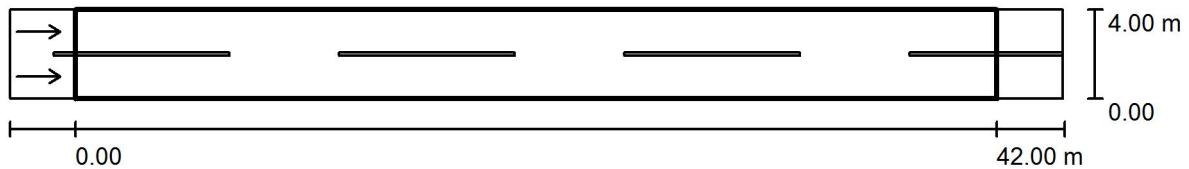
## Lazdu iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Lazdu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:344

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

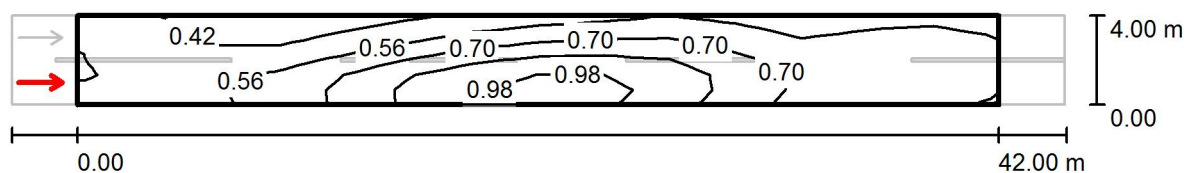
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.64	0.53	0.52	11	0.87
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.000, 1.500)	0.64	0.53	0.52	11
2	Observer 2	(-60.000, 3.000, 1.500)	0.67	0.55	0.55	10

Operator  
Telephone  
Fax  
e-Mail

### Lazdu iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 344

Grid: 14 x 6 Points

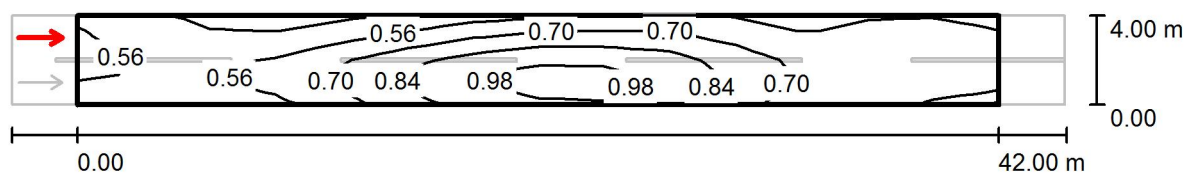
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.64	0.53	0.52	11
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Lazdu iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 344

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 3.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.67	0.55	0.55	10
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

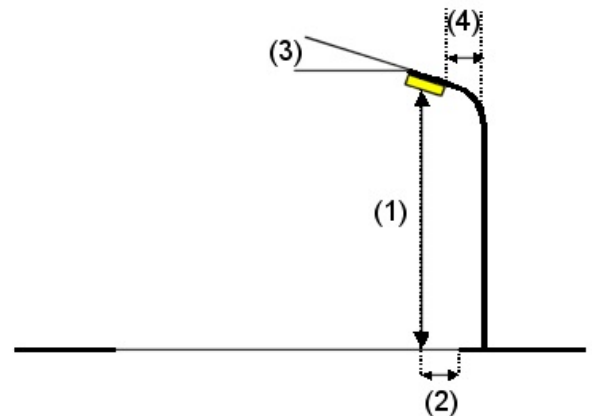
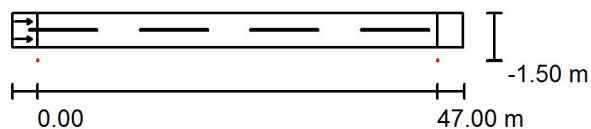
## Liepu iela / Planning data

### Street Profile

Roadway 1 (Width: 4.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 47.000 m  
 Mounting Height (1): 9.000 m  
 Height: 9.000 m  
 Overhang (2): -1.500 m  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

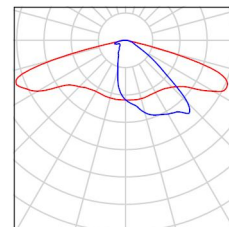
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Liepu iela / Luminaire parts list

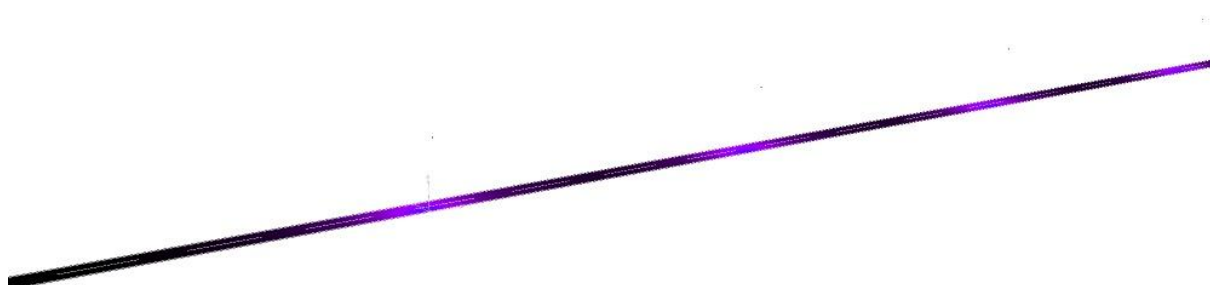
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Liepu iela / False Colour Rendering

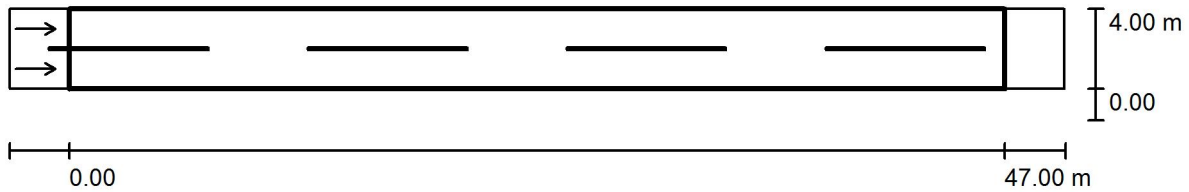


0 20 30 40 50 70 90 120 300 lx



Operator  
Telephone  
Fax  
e-Mail

## Liepu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:379

Grid: 16 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

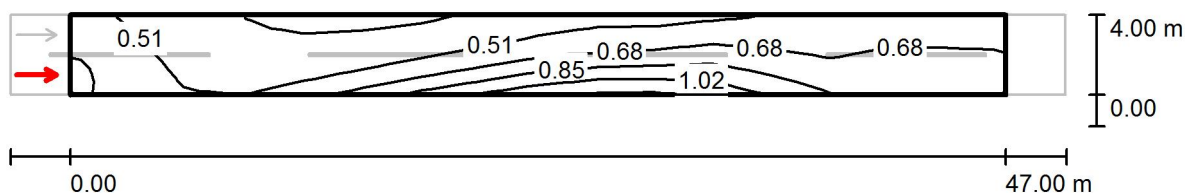
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.62	0.50	0.43	14	0.92
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.000, 1.500)	0.62	0.50	0.43	14
2	Observer 2	(-60.000, 3.000, 1.500)	0.66	0.51	0.51	11

Operator  
Telephone  
Fax  
e-Mail

### Liepu iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 379

Grid: 16 x 6 Points

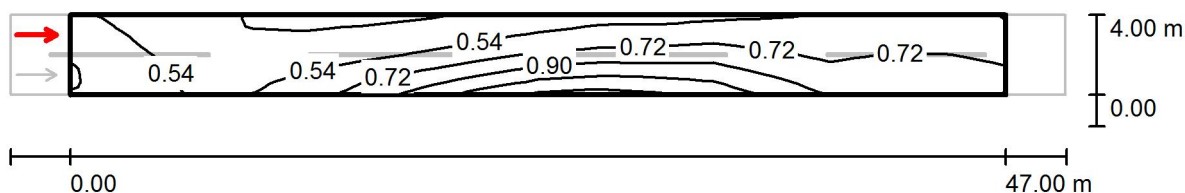
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.62	0.50	0.43	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Liepu iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m<sup>2</sup>, Scale 1 : 379

Grid: 16 x 6 Points

Observer Position: (-60.000 m, 3.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.66	0.51	0.51	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

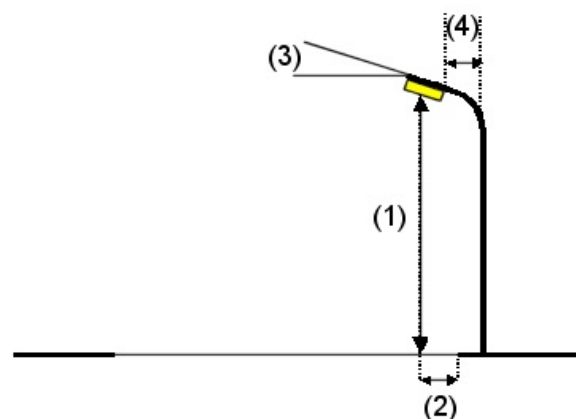
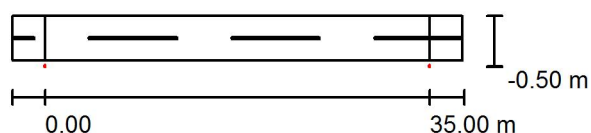
## Gājēju celiņš / Planning data

### Street Profile

Roadway 1 (Width: 4.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	35.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

#### Maximum luminous intensities

at 70°:	457 cd/klm
at 80°:	96 cd/klm
at 90°:	12 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

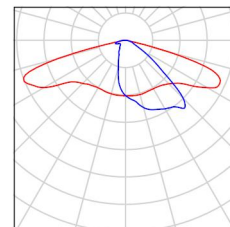
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Gājēju celiņš / Luminaire parts list

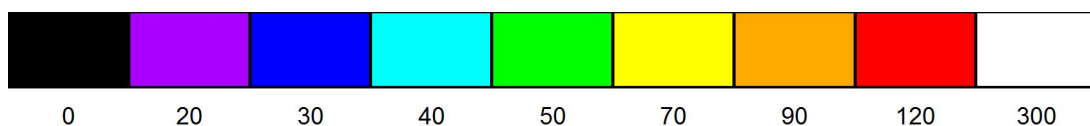
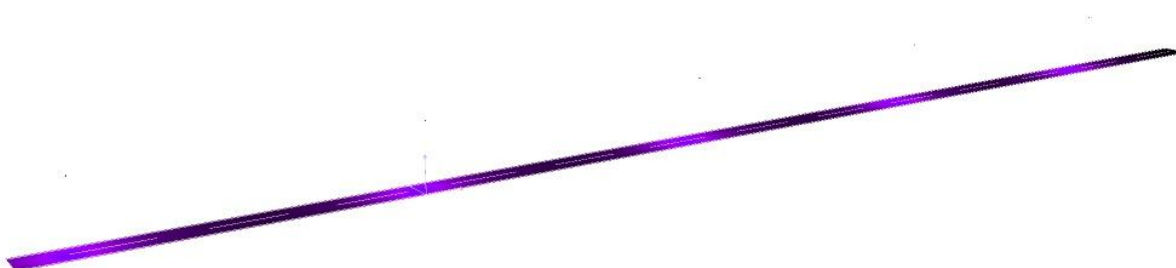
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

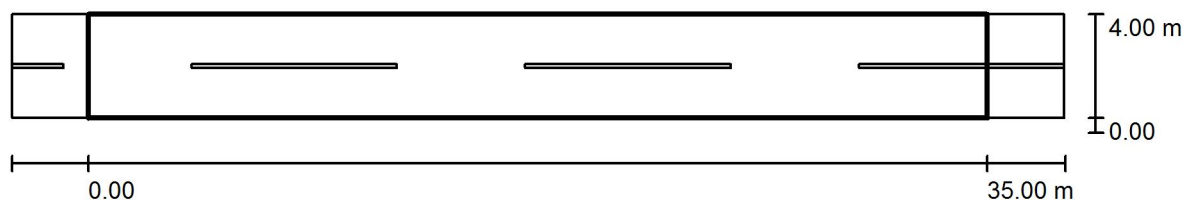
## Gājēju celiņš / False Colour Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

### Gājēju celiņš / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:294

Grid: 12 x 3 Points

Accompanying Street Elements: Roadway 1.

Selected Lighting Class: S3

(All lighting performance requirements are met.)

Calculated values:

Required values according to class:

Fulfilled/Not fulfilled:

$E_{av}$  [lx]

10.84

$\geq 7.50$



$E_{min}$  [lx]

5.55

$\geq 1.50$

