

## Madona 2/4

Tirgus iela  
Veidenbauma iela  
Patkules iela  
Mazā iela  
Cesvaines iela  
Skolas iela  
Upes iela  
Raiņa iela  
Rūpniecības iela  
Vidzemes iela  
Nagates iela  
Vestienas iela  
Aiviekstes iela  
Rūpniecības iela (gājēju ceļš)

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

Date: 18.03.2015  
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## Table of contents

<b>Madona 2/4</b>	
Project Cover	1
Table of contents	2
<b>RoadSpark SLIM 60W</b>	
Luminaire Data Sheet	5
<b>SIA Elnitor RoadSpark SLIM 80W</b>	
Luminaire Data Sheet	6
<b>Tirgus iela</b>	
Planning data	7
Luminaire parts list	8
False Color Rendering	9
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	10
<b>Observer 2</b>	
Isolines (L)	11
<b>Veidenbauma iela</b>	
Planning data	12
Luminaire parts list	13
False Color Rendering	14
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	15
<b>Observer 2</b>	
Isolines (L)	16
<b>Patkules iela</b>	
Planning data	17
Luminaire parts list	18
False Color Rendering	19
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	20
<b>Observer 2</b>	
Isolines (L)	21
<b>Mazā iela</b>	
Planning data	22
Luminaire parts list	23
False Color Rendering	24
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	25
<b>Observer 2</b>	
Isolines (L)	26
<b>Cesvaines iela</b>	
Planning data	27
Luminaire parts list	28

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## Table of contents

False Color Rendering	29
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	30
<b>Observer 2</b>	
Isolines (L)	31
<b>Skolas iela</b>	
Planning data	32
Luminaire parts list	33
False Color Rendering	34
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	35
<b>Observer 2</b>	
Isolines (L)	36
<b>Upes iela</b>	
Planning data	37
Luminaire parts list	38
False Color Rendering	39
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	40
<b>Observer 2</b>	
Isolines (L)	41
<b>Raiņa iela</b>	
Planning data	42
Luminaire parts list	43
False Color Rendering	44
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	45
<b>Observer 2</b>	
Isolines (L)	46
<b>Rūpniecības iela</b>	
Planning data	47
Luminaire parts list	48
False Color Rendering	49
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	50
<b>Observer 2</b>	
Isolines (L)	51
<b>Vidzemes iela</b>	
Planning data	52

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## Table of contents

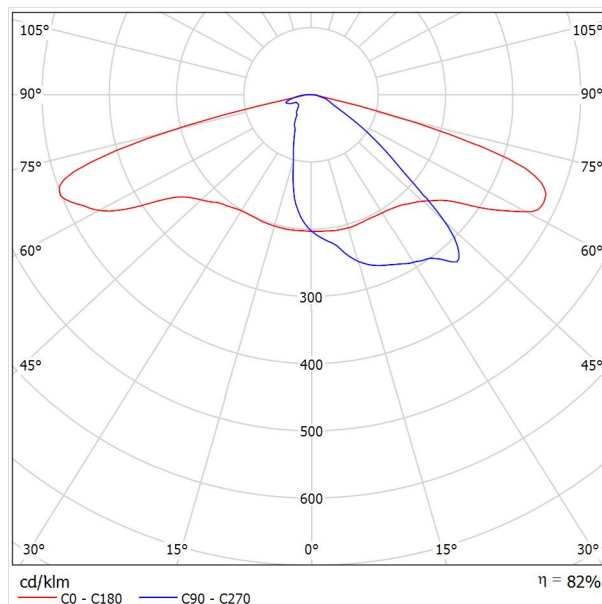
Luminaire parts list	53
False Color Rendering	54
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	55
<b>Observer 2</b>	
Isolines (L)	56
<b>Nagates iela</b>	
Planning data	57
Luminaire parts list	58
False Color Rendering	59
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	60
<b>Observer 2</b>	
Isolines (L)	61
<b>Vestienas iela</b>	
Planning data	62
Luminaire parts list	63
False Color Rendering	64
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	65
<b>Observer 2</b>	
Isolines (L)	66
<b>Aiviekstes iela</b>	
Planning data	67
Luminaire parts list	68
False Color Rendering	69
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
<b>Observer</b>	
<b>Observer 1</b>	
Isolines (L)	70
<b>Observer 2</b>	
Isolines (L)	71
<b>Rūpniecības iela (gājēju ceļš)</b>	
Planning data	72
Luminaire parts list	73
False Color Rendering	74
<b>Valuation Fields</b>	
<b>Valuation Field Roadway 1</b>	
Results overview	75

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## RoadSpark SLIM 60W / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



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

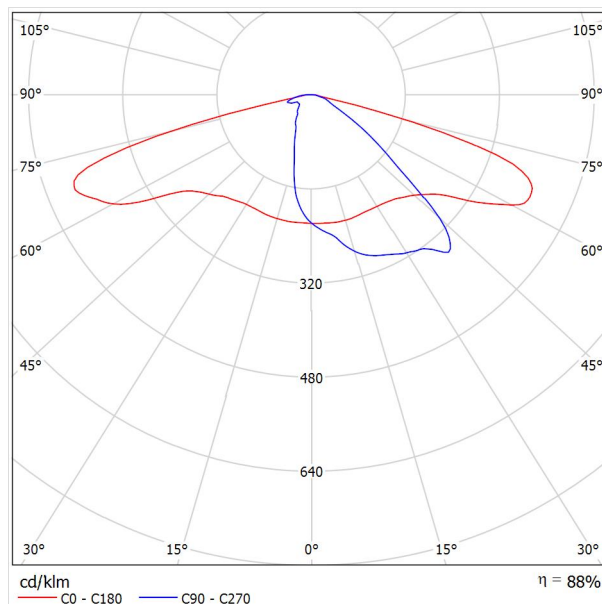
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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## 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.

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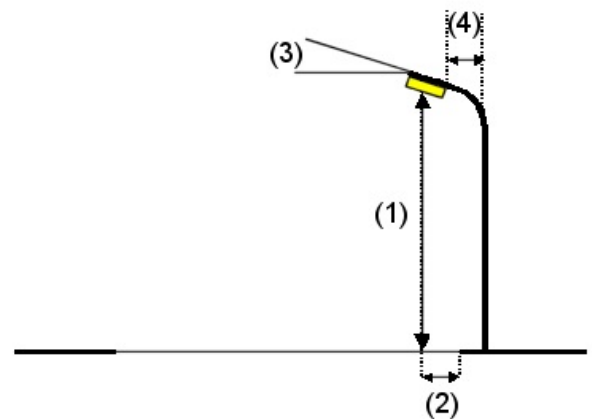
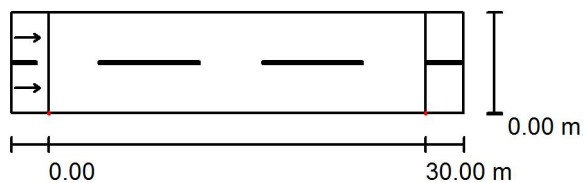
## Tirgus iela / Planning data

### Street Profile

Roadway 1 (Width: 8.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.85

### Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W	Maximum luminous intensities
Luminous flux (Luminaire):	8081 lm	at 70°: 484 cd/klm
Luminous flux (Lamps):	9200 lm	at 80°: 280 cd/klm
Luminaire Wattage:	80.0 W	at 90°: 31 cd/klm
Arrangement:	Single row, bottom	
Pole Distance:	30.000 m	
Mounting Height (1):	8.000 m	
Height:	8.000 m	
Overhang (2):	0.000 m	
Boom Angle (3):	10.0 °	
Boom Length (4):	1.000 m	

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

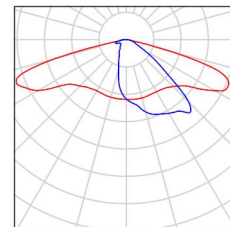
Arrangement complies with glare index class D.3.

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## Tirgus 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).

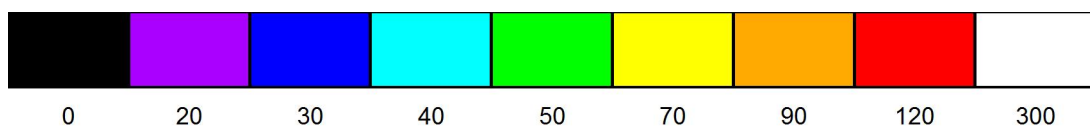
See our luminaire  
catalog for an image of  
the luminaire.





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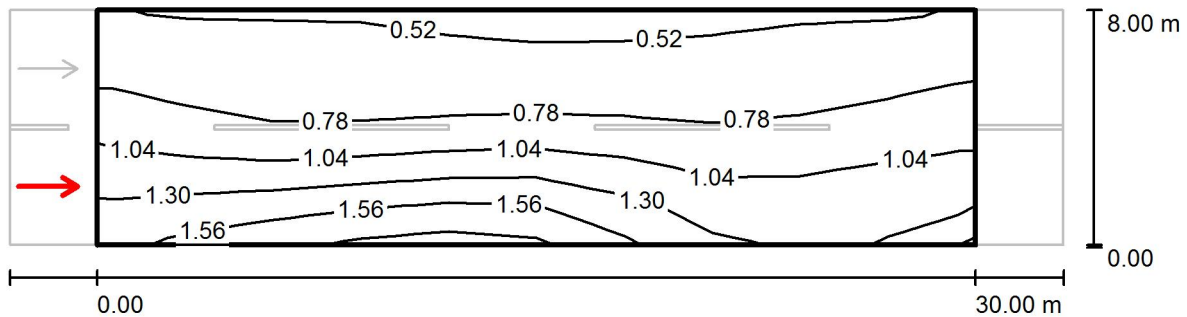
## Tirgus iela / False Color Rendering



lx

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



Values in Candela/m<sup>2</sup>, Scale 1 : 258

Grid: 10 x 6 Points

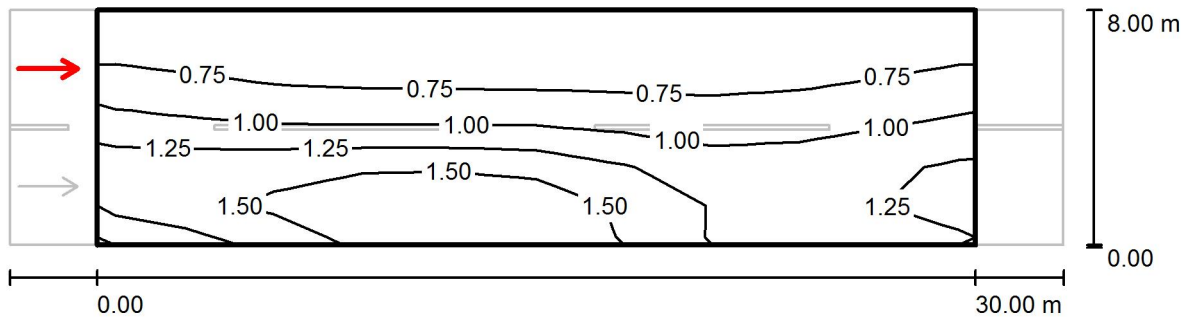
Observer Position: (-60.000 m, 2.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.93	0.52	0.73	14
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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



Values in Candela/m<sup>2</sup>, Scale 1 : 258

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 6.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.02	0.51	0.84	8
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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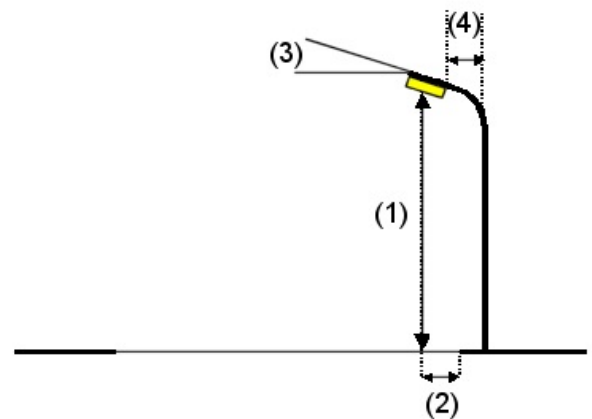
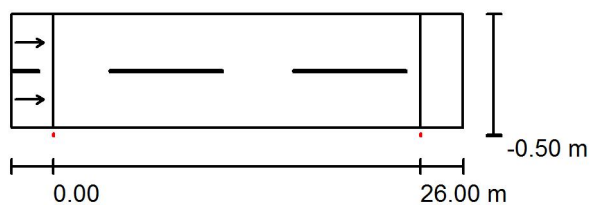
## Veidenbauma iela / Planning data

### Street Profile

Roadway 1 (Width: 8.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.85

### Luminaire Arrangements



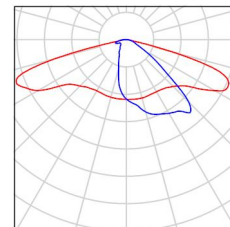
Luminaire:	SIA Elnitor RoadSpark SLIM 80W	Maximum luminous intensities
Luminous flux (Luminaire):	8081 lm	at 70°: 484 cd/klm
Luminous flux (Lamps):	9200 lm	at 80°: 280 cd/klm
Luminaire Wattage:	80.0 W	at 90°: 31 cd/klm
Arrangement:	Single row, bottom	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Pole Distance:	26.000 m	Arrangement complies with glare index class D.3.
Mounting Height (1):	8.000 m	
Height:	8.000 m	
Overhang (2):	-0.500 m	
Boom Angle (3):	10.0 °	
Boom Length (4):	1.000 m	

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## Veidenbauma iela / Luminaire parts list

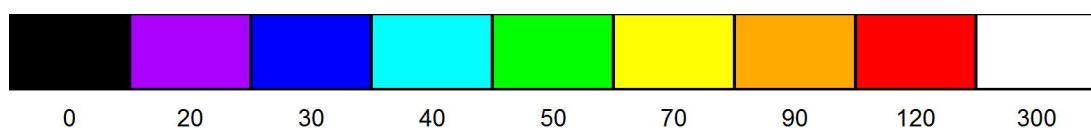
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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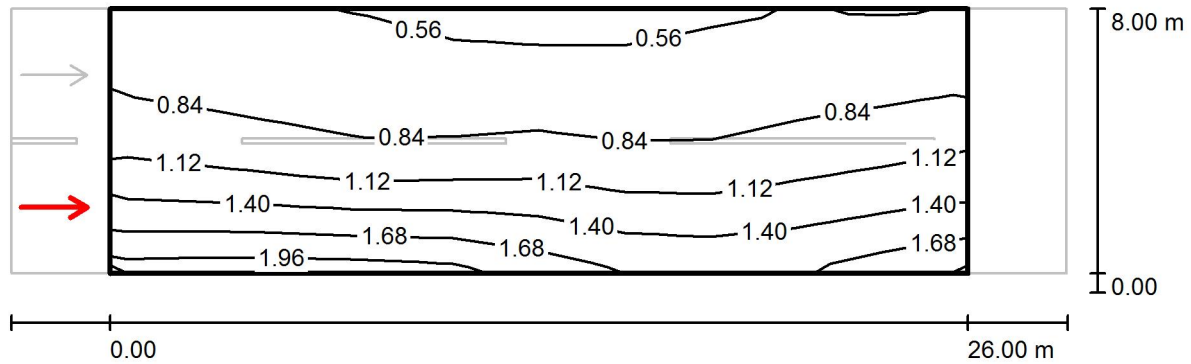
## Veidenbauma iela / False Color Rendering



lx

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



Values in Candela/m<sup>2</sup>, Scale 1 : 229

Grid: 10 x 6 Points

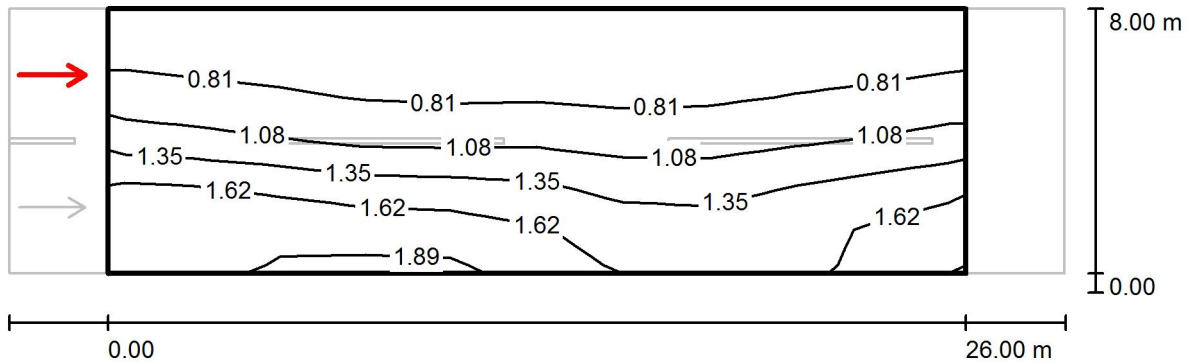
Observer Position: (-60.000 m, 2.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.02	0.51	0.80	12
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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



Values in Candela/m<sup>2</sup>, Scale 1 : 229

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 6.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.14	0.49	0.82	7
Required values according to class ME4b:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



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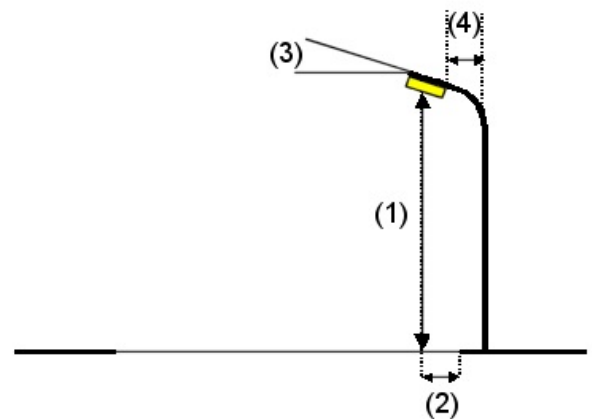
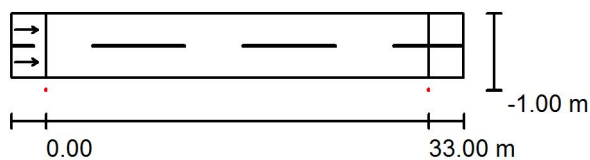
## Patkules iela / Planning data

### Street Profile

Roadway 1 (Width: 5.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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.

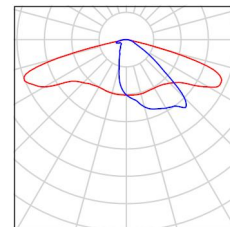
Arrangement complies with glare index class D.4.

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## Patkules iela / Luminaire parts list

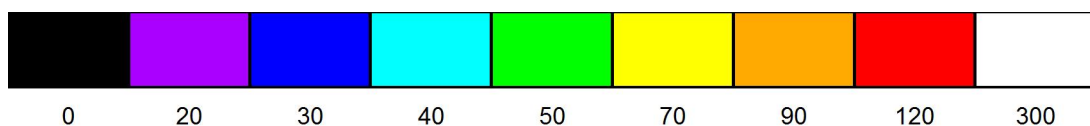
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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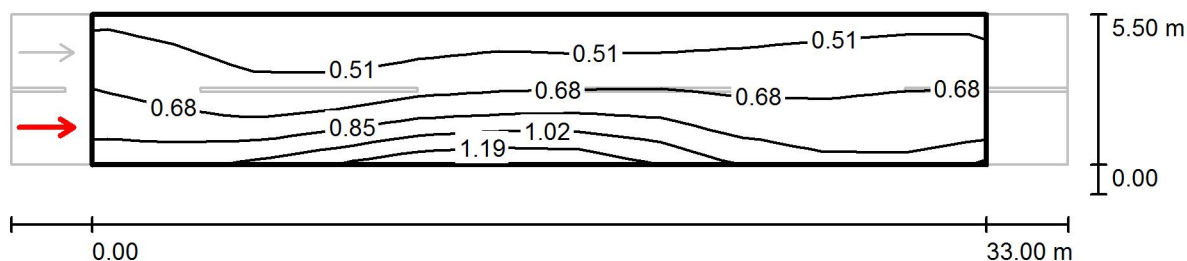
## Patkules iela / False Color Rendering



lx

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



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

Grid: 11 x 6 Points

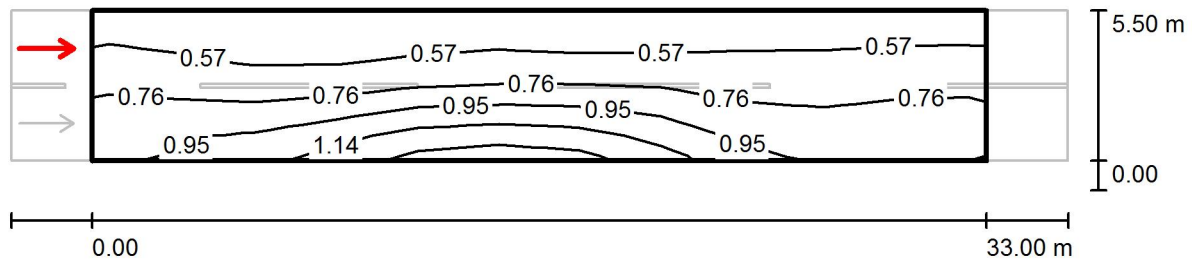
Observer Position: (-60.000 m, 1.375 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.68	0.59	0.74	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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### Patkules 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, 4.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.75	0.57	0.83	9
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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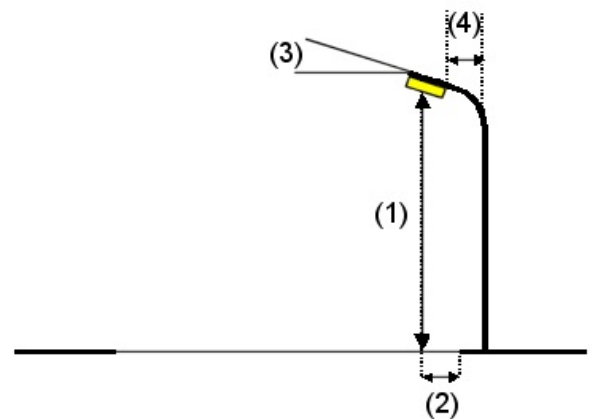
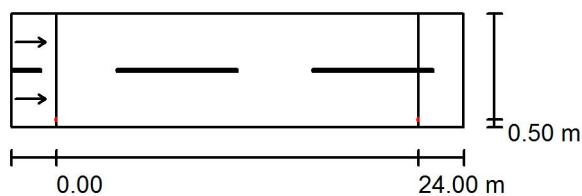
## Mazā iela / Planning data

### Street Profile

Roadway 1 (Width: 7.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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: 24.000 m  
 Mounting Height (1): 8.000 m  
 Height: 8.000 m  
 Overhang (2): 0.500 m  
 Boom Angle (3): 5.0 °  
 Boom Length (4): 1.500 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.

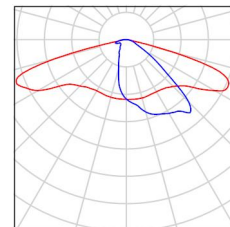
Arrangement complies with glare index class D.4.

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## Mazā iela / Luminaire parts list

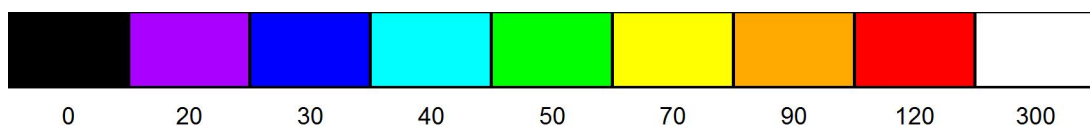
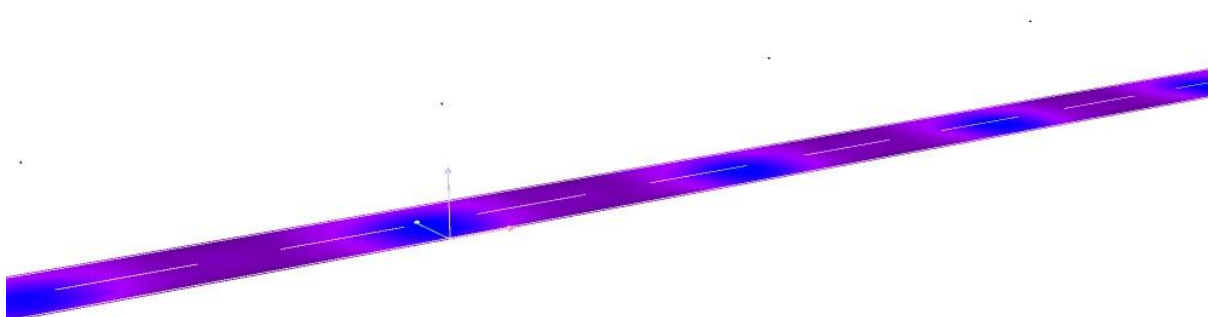
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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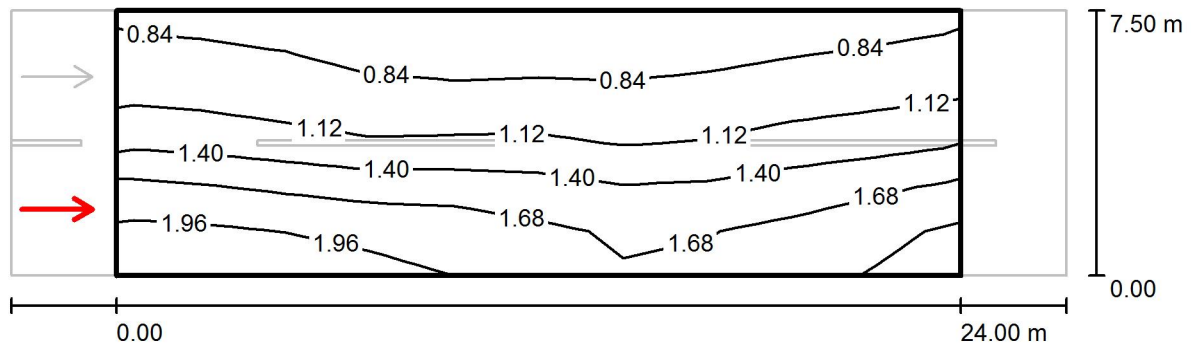
## Mazā iela / False Color Rendering





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



Values in Candela/m<sup>2</sup>, Scale 1 : 215

Grid: 10 x 6 Points

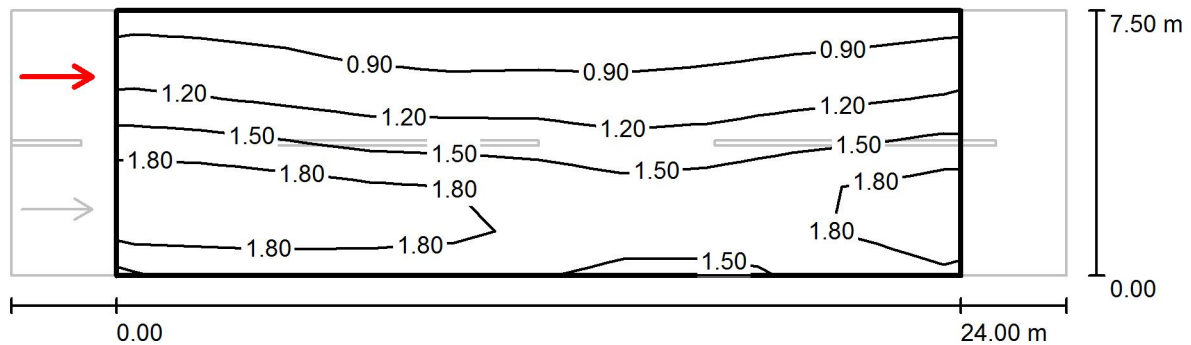
Observer Position: (-60.000 m, 1.875 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.29	0.52	0.81	11
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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



Values in Candela/m<sup>2</sup>, Scale 1 : 215

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 5.625 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.39	0.52	0.81	8
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Fax  
e-Mail

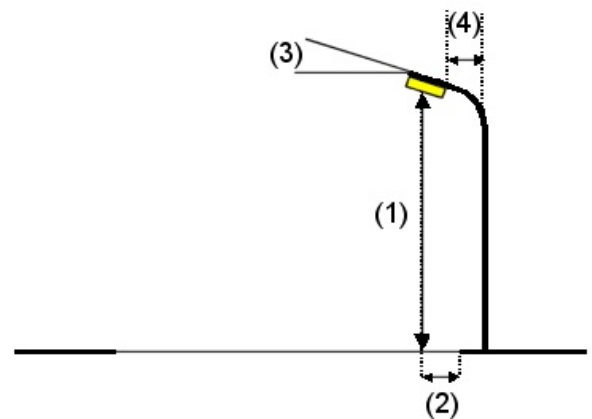
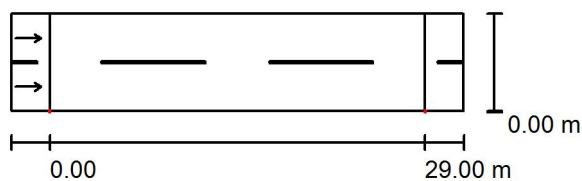
## Cesvaines iela / Planning data

### Street Profile

Roadway 1 (Width: 7.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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: 29.000 m  
 Mounting Height (1): 8.000 m  
 Height: 8.000 m  
 Overhang (2): 0.000 m  
 Boom Angle (3): 5.0 °  
 Boom Length (4): 1.500 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.

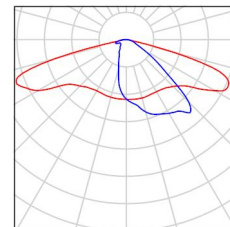
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Cesvaines iela / Luminaire parts list

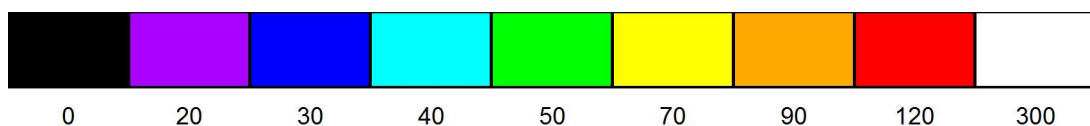
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

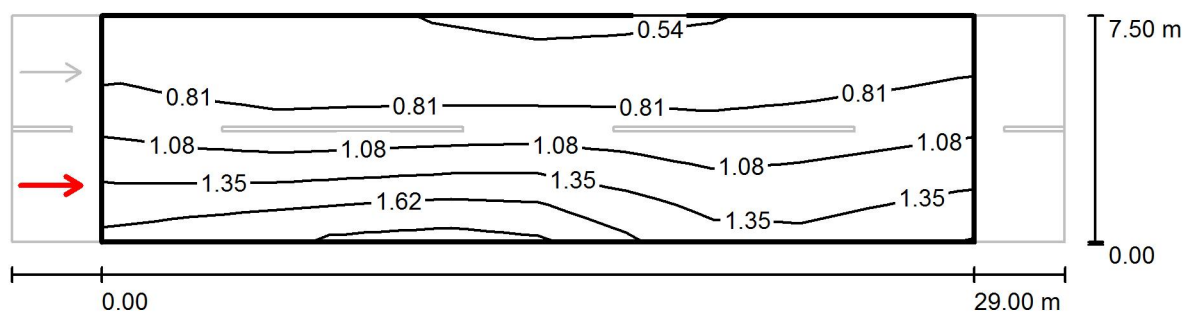
## Cesvaines iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 251

Grid: 10 x 6 Points

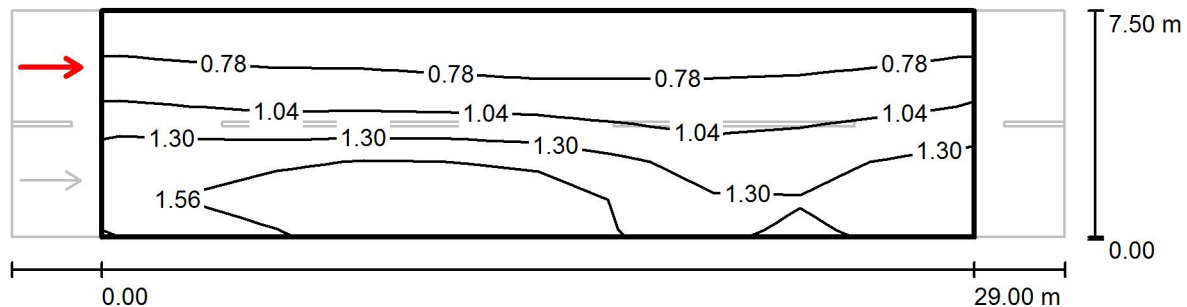
Observer Position: (-60.000 m, 1.875 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.02	0.51	0.77	13
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 251

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 5.625 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.11	0.50	0.85	8
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

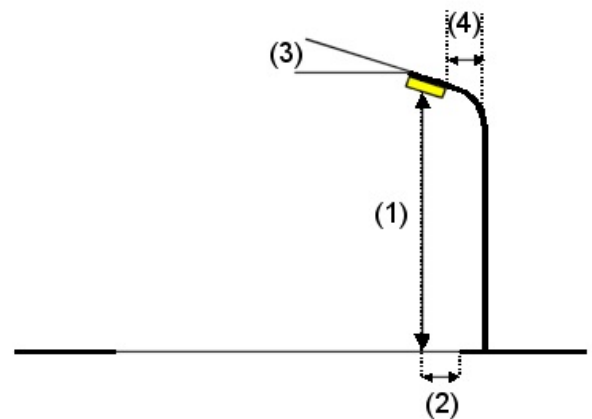
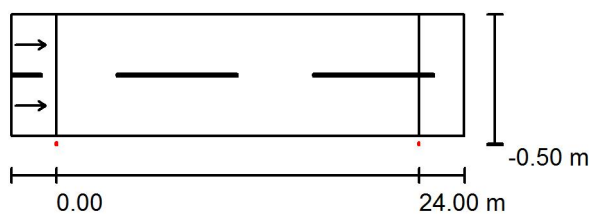
## Skolas iela / Planning data

### Street Profile

Roadway 1 (Width: 8.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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: 24.000 m

Mounting Height (1): 8.000 m

Height: 8.000 m

Overhang (2): -0.500 m

Boom Angle (3): 10.0 °

Boom Length (4): 1.000 m

Maximum luminous intensities

at 70°: 484 cd/klm

at 80°: 280 cd/klm

at 90°: 31 cd/klm

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

Arrangement complies with glare index class D.3.



Operator  
Telephone  
Fax  
e-Mail

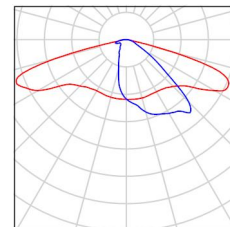
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## Skolas iela / Luminaire parts list

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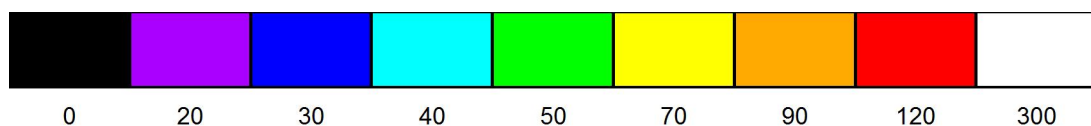
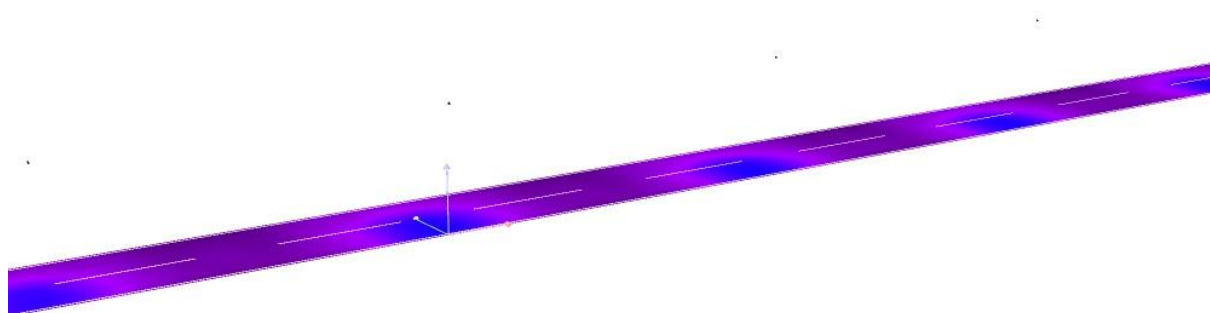
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



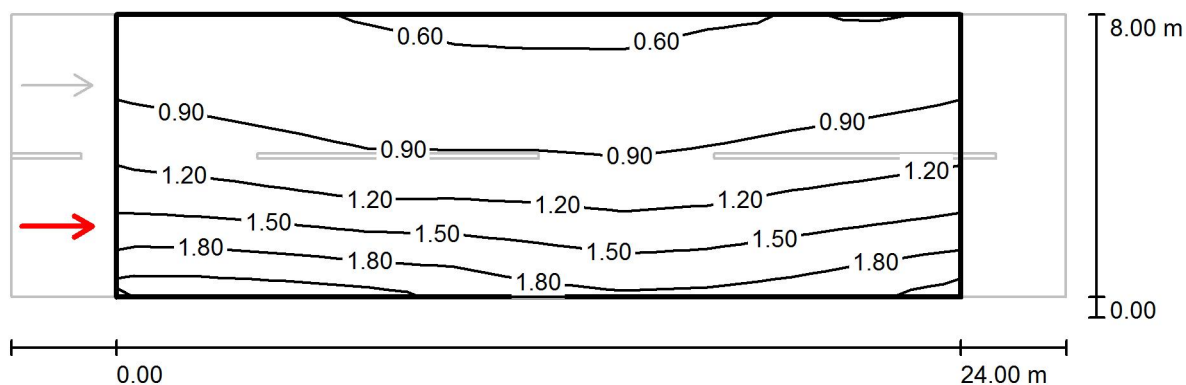
Operator  
Telephone  
Fax  
e-Mail

## Skolas iela / False Color Rendering



Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 215

Grid: 10 x 6 Points

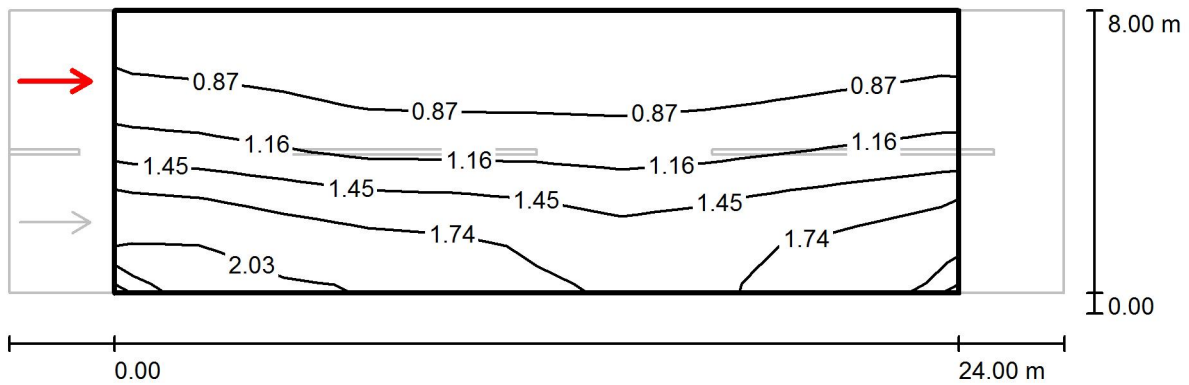
Observer Position: (-60.000 m, 2.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.10	0.52	0.80	12
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 215

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 6.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.23	0.50	0.81	7
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Operator  
Telephone  
Fax  
e-Mail

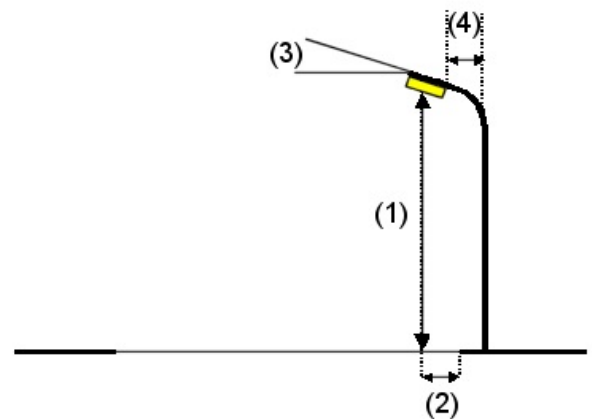
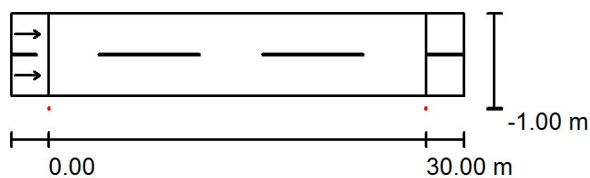
## Upes iela / Planning data

### Street Profile

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

Light loss 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: 30.000 m  
Mounting Height (1): 8.000 m  
Height: 8.000 m  
Overhang (2): -1.000 m  
Boom Angle (3): 5.0 °  
Boom Length (4): 1.000 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

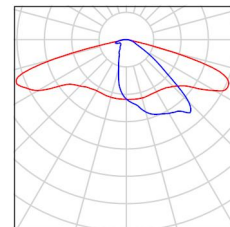
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## Upes iela / Luminaire parts list

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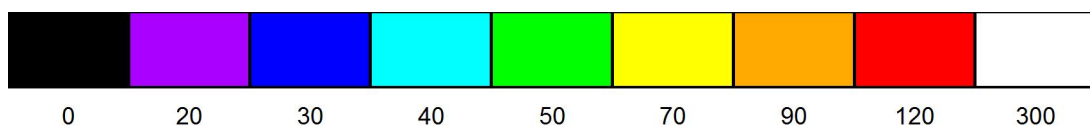
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

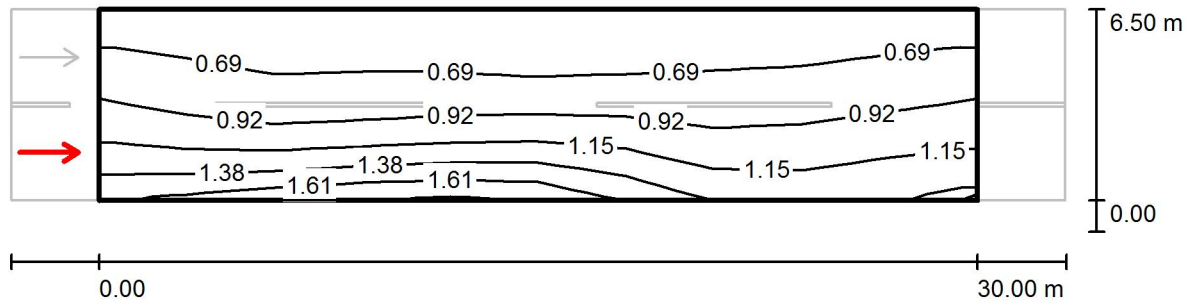
## Upes iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 258

Grid: 10 x 6 Points

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

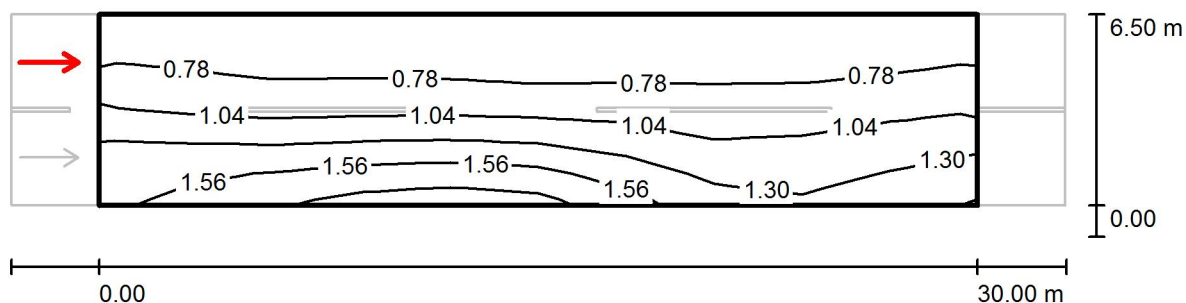
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.92	0.56	0.79	13
Required values according to class ME4b:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 258

Grid: 10 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:	1.03	0.53	0.86	8
Required values according to class ME4b:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

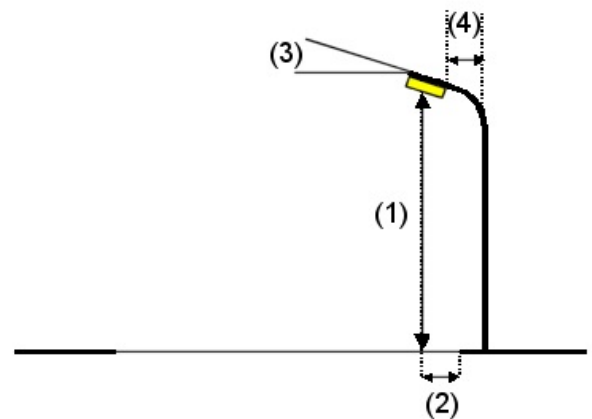
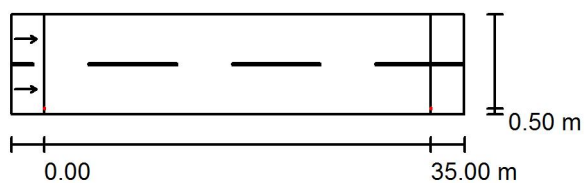
## Raiņa iela / Planning data

### Street Profile

Roadway 1 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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: 35.000 m  
 Mounting Height (1): 8.000 m  
 Height: 8.000 m  
 Overhang (2): 0.500 m  
 Boom Angle (3): 5.0 °  
 Boom Length (4): 1.000 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

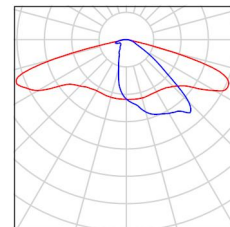
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## Raiņa iela / Luminaire parts list

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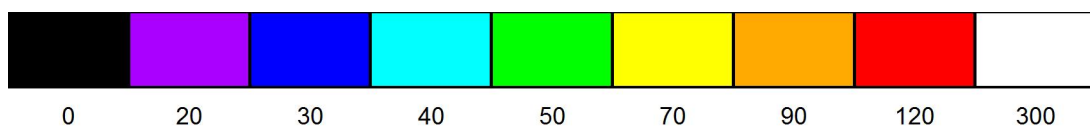
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 0.950).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

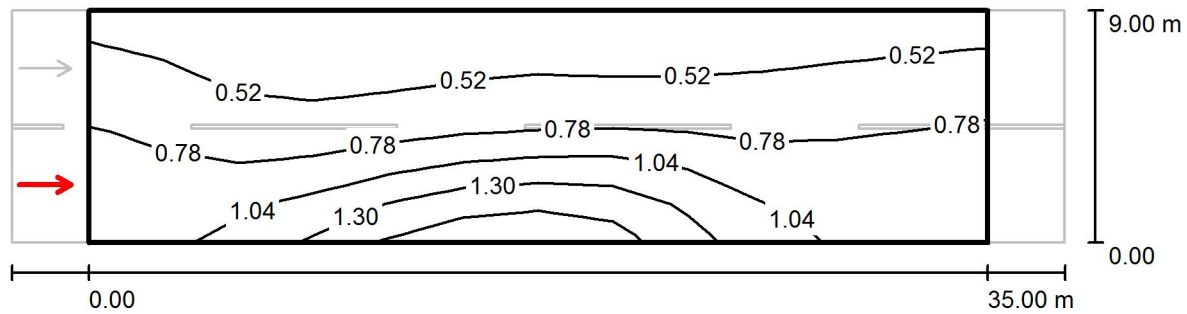
## Raiņa iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 294

Grid: 12 x 6 Points

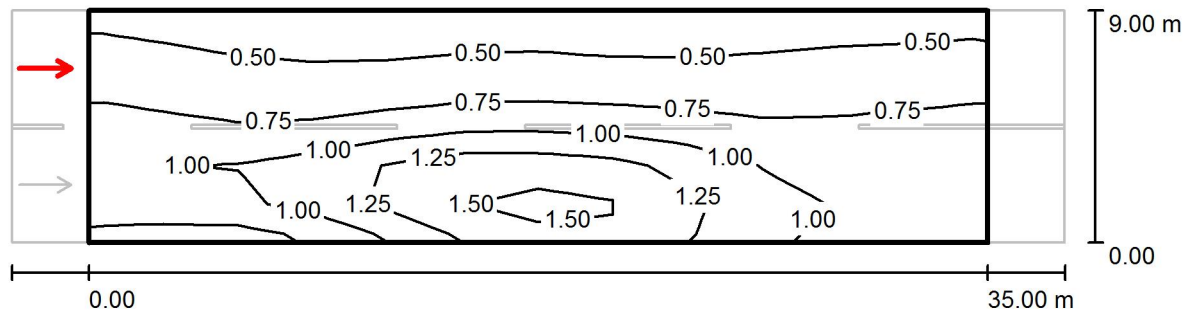
Observer Position: (-60.000 m, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.78	0.48	0.68	15
Required values according to class ME4a:	$\geq 0.75$	$\geq 0.40$	$\geq 0.60$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 294

Grid: 12 x 6 Points

Observer Position: (-60.000 m, 6.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.84	0.48	0.85	9
Required values according to class ME4a:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

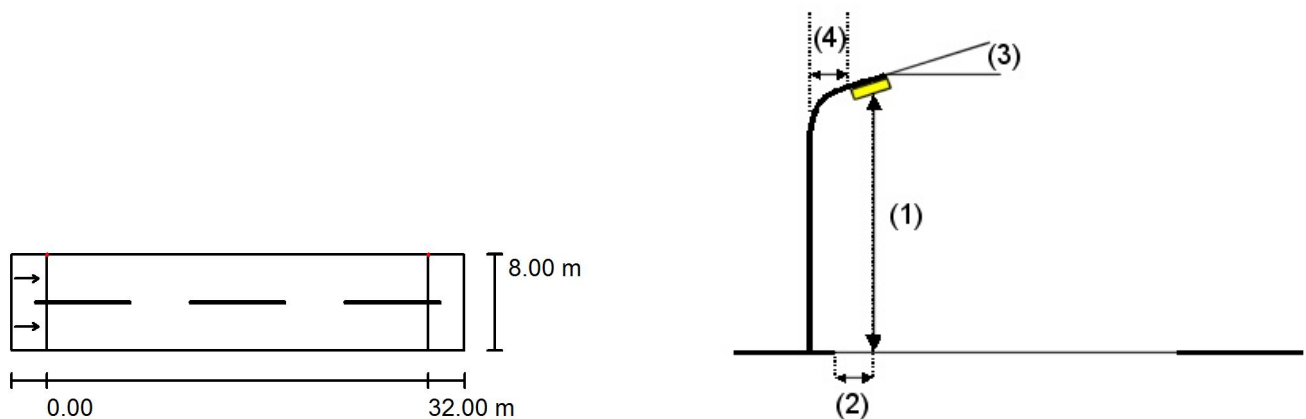
## Rūpniecības iela / Planning data

### Street Profile

Roadway 1 (Width: 8.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.85

### Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W	
Luminous flux (Luminaire):	8081 lm	Maximum luminous intensities
Luminous flux (Lamps):	9200 lm	at 70°: 484 cd/klm
Luminaire Wattage:	80.0 W	at 80°: 280 cd/klm
Arrangement:	Single row, top	at 90°: 31 cd/klm
Pole Distance:	32.000 m	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Mounting Height (1):	9.000 m	Arrangement complies with glare index class D.3.
Height:	9.000 m	
Overhang (2):	0.000 m	
Boom Angle (3):	10.0 °	
Boom Length (4):	1.000 m	

Operator  
Telephone  
Fax  
e-Mail

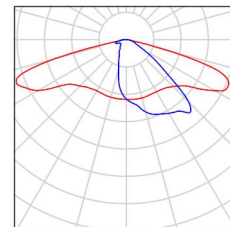
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## Rūpniecības iela / Luminaire parts list

---

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).

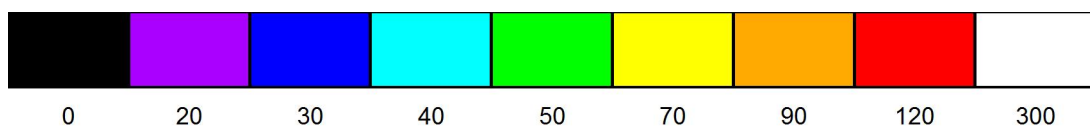
See our luminaire  
catalog for an image of  
the luminaire.





Operator  
Telephone  
Fax  
e-Mail

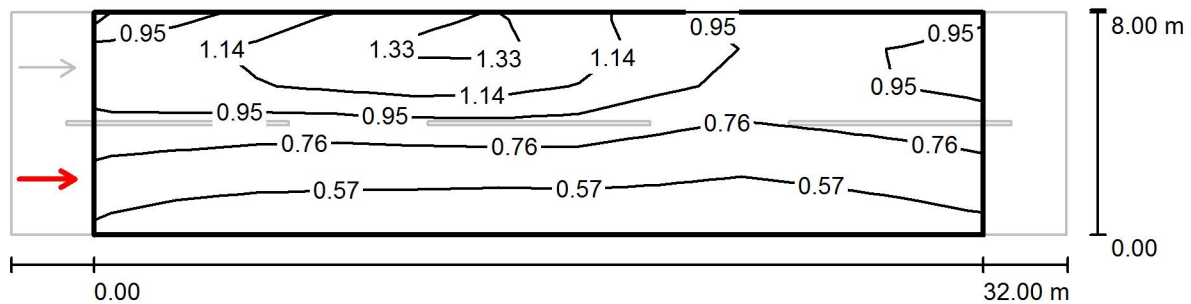
## Rūpniecības iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



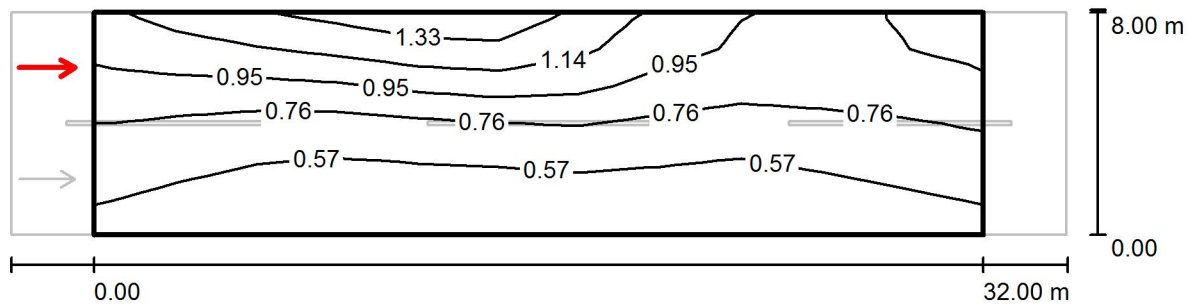
Values in Candela/m², Scale 1 : 272

Grid: 11 x 6 Points  
Observer Position: (-60.000 m, 2.000 m, 1.500 m)  
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.84	0.55	0.82	8
Required values according to class ME4a:	$\geq 0.75$	$\geq 0.40$	$\geq 0.60$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 272

Grid: 11 x 6 Points  
Observer Position: (-60.000 m, 6.000 m, 1.500 m)  
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.77	0.56	0.74	11
Required values according to class ME4a:	$\geq 0.75$	$\geq 0.40$	$\geq 0.60$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

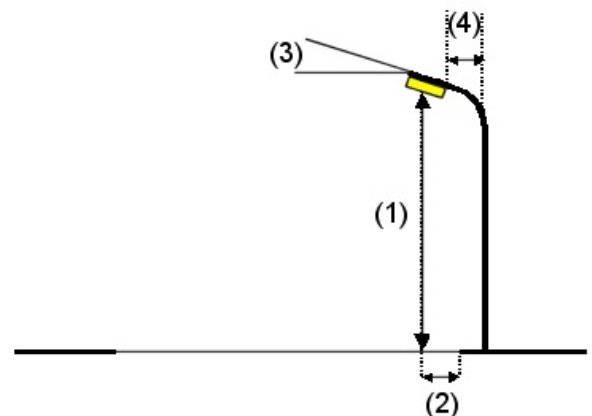
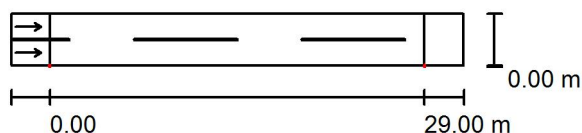
## Vidzemes iela / Planning data

### Street Profile

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

Light loss 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:	29.000 m
Mounting Height (1):	7.500 m
Height:	7.500 m
Overhang (2):	0.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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.

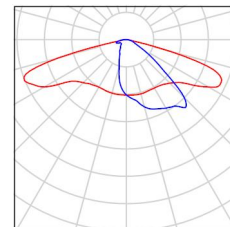
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Vidzemes iela / Luminaire parts list

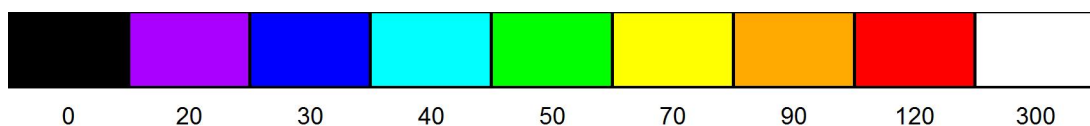
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

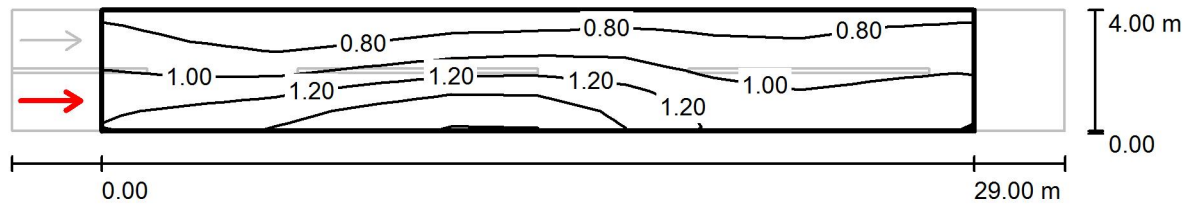
## Vidzemes iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 251

Grid: 10 x 6 Points

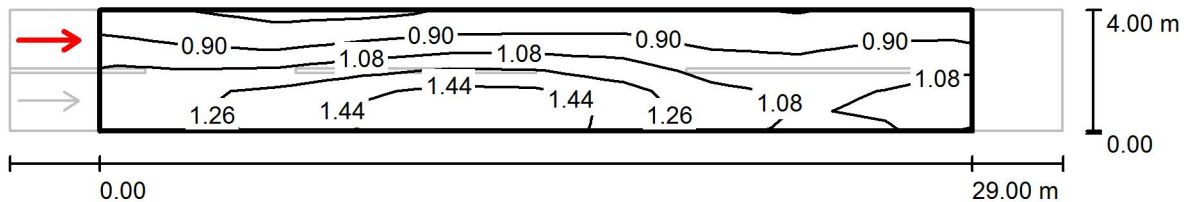
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.02	0.60	0.69	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

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



Values in Candela/m², Scale 1 : 251

Grid: 10 x 6 Points

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

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	1.09	0.63	0.82	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

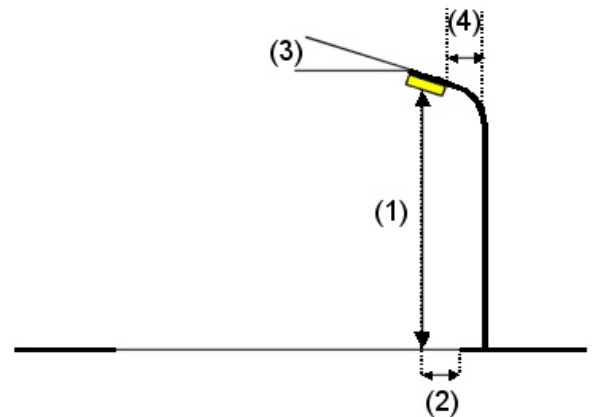
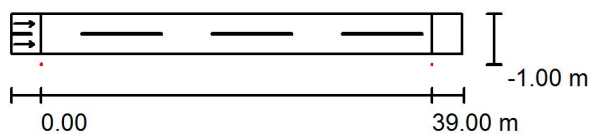
## Nagates iela / Planning data

### Street Profile

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

Light loss 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:	39.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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.

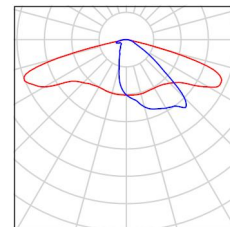
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Nagates iela / Luminaire parts list

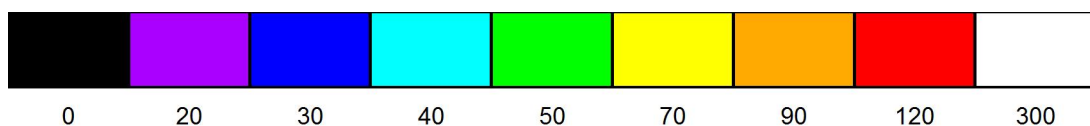
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

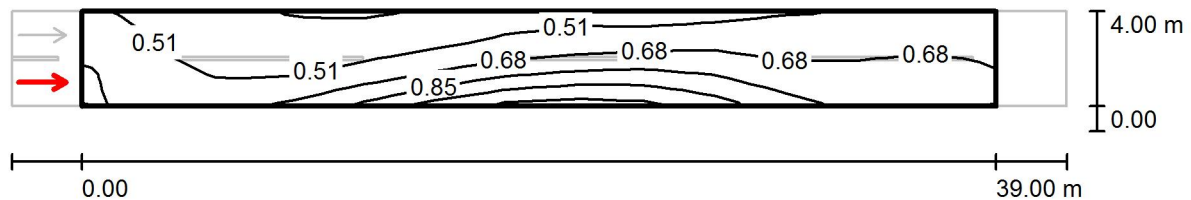
## Nagates iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 322

Grid: 13 x 6 Points

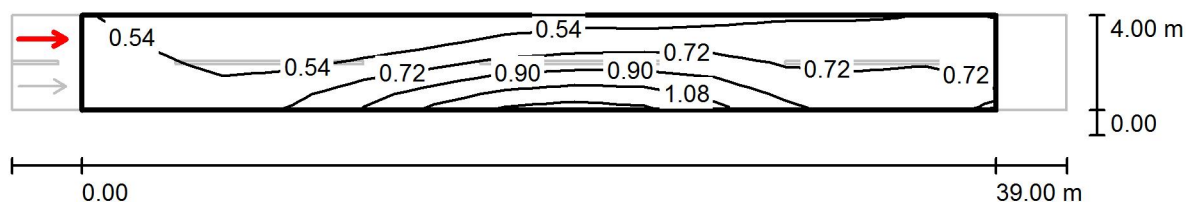
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.64	0.53	0.49	14
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 322

Grid: 13 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:	0.69	0.52	0.58	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

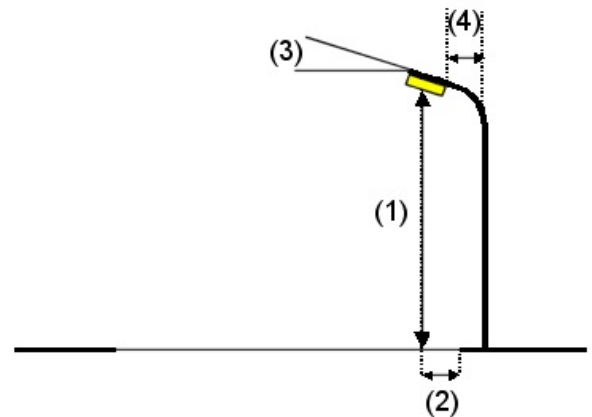
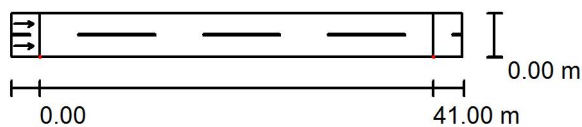
## Vestienas iela / Planning data

### Street Profile

Roadway 1 (Width: 4.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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:	41.000 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

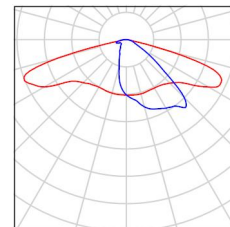
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**Vestienas iela / Luminaire parts list**

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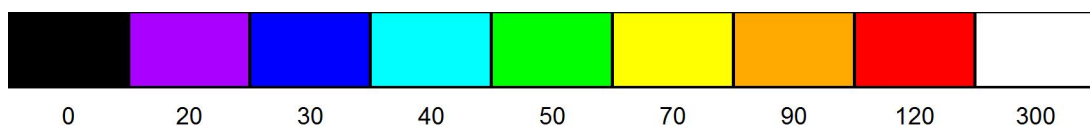
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Vestienas iela / False Color Rendering

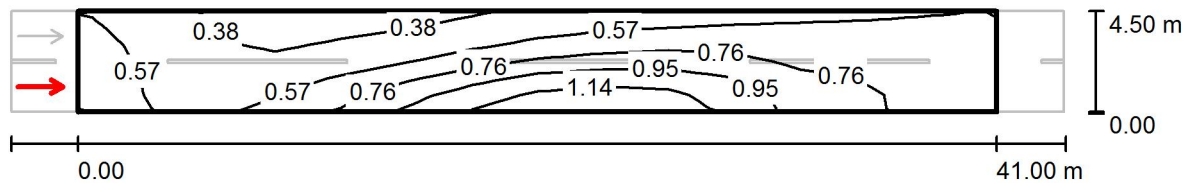


lx



Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 337

Grid: 14 x 6 Points

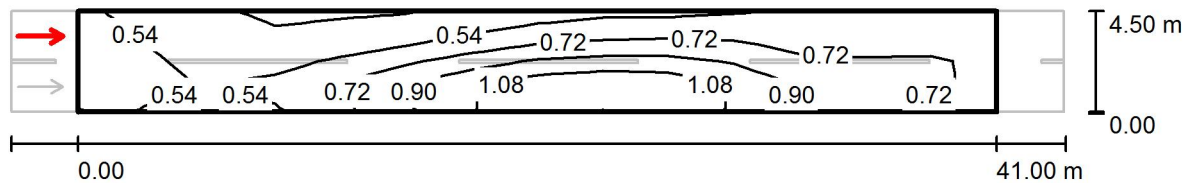
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.67	0.48	0.42	14
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

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



Values in Candela/m<sup>2</sup>, Scale 1 : 337

Grid: 14 x 6 Points

Observer Position: (-60.000 m, 3.375 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	0.50	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

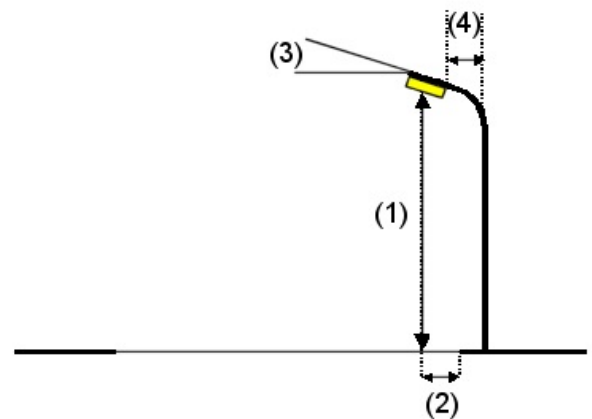
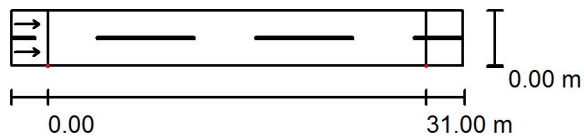
## Aiviekstes iela / Planning data

### Street Profile

Roadway 1 (Width: 4.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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:	31.000 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.

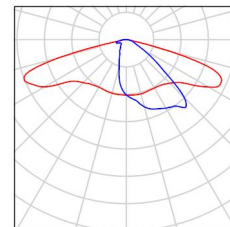
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Aiviekstes iela / Luminaire parts list

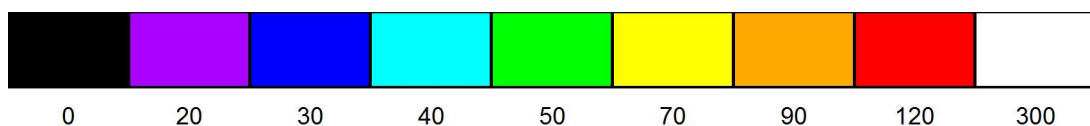
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

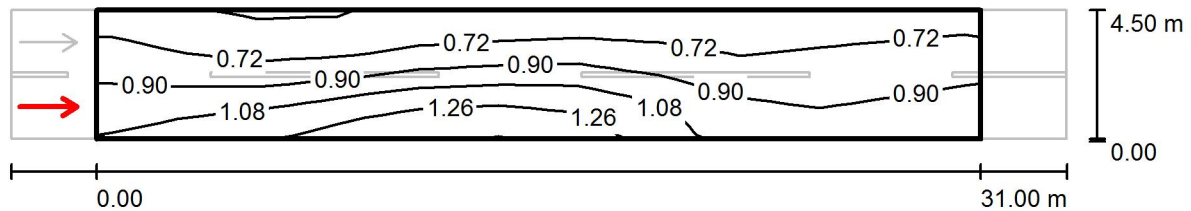
## Aiviekstes iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 265

Grid: 11 x 6 Points

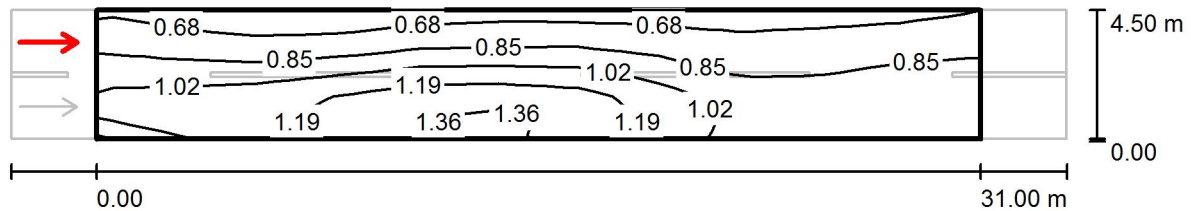
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.88	0.59	0.69	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

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



Values in Candela/m<sup>2</sup>, Scale 1 : 265

Grid: 11 x 6 Points

Observer Position: (-60.000 m, 3.375 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.94	0.62	0.83	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

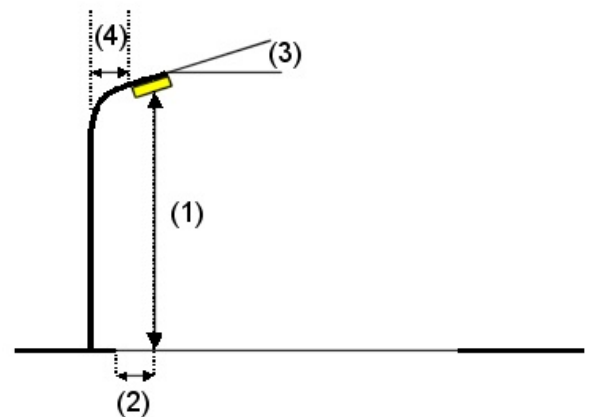
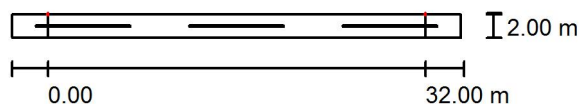
## Rūpniecības iela (gājēju ceļš) / Planning data

### Street Profile

Roadway 1 (Width: 2.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss 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, top
Pole Distance:	32.000 m
Mounting Height (1):	9.000 m
Height:	9.000 m
Overhang (2):	0.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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

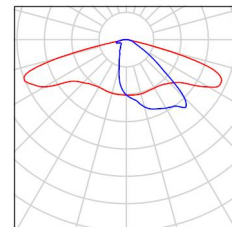
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## Rūpniecības iela (gājēju ceļš) / Luminaire parts list

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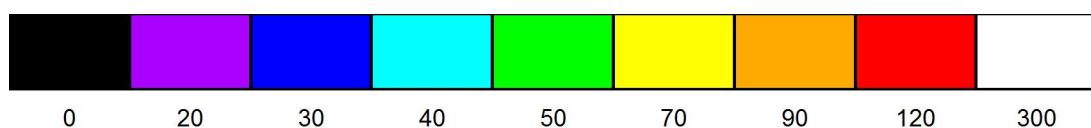
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

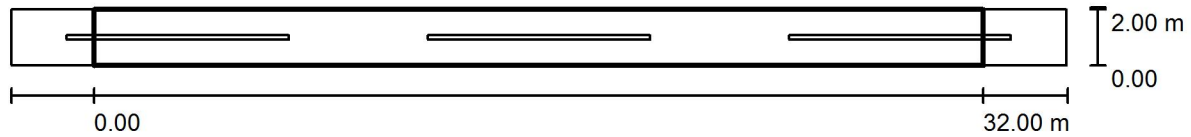
## Rūpniecības iela (gājēju ceļš) / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

## Rūpniecības iela (gājēju ceļš) / Valuation Field Roadway 1 / Results overview



Light loss factor: 0.85

Scale 1:272

Grid: 11 x 3 Points

Accompanying Street Elements: Roadway 1.

Selected Lighting Class: CE5

(All lighting performance requirements are met.)

Calculated values:

Required values according to class:

Fulfilled/Not fulfilled:

$E_{av}$  [lx]

10.29

$\geq 7.50$



U0

0.63

$\geq 0.40$

