

## **Madona 4/4**

Dārza iela  
Avotu iela  
Vidus iela  
Ievu iela  
Bērzu iela  
Maskavas iela  
Meža iela  
Ezera iela  
Rezeknes iela  
M.Saules iela  
Vitolu iela  
Lazdonas iela  
O.Kalpaka iela

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

Date: 18.03.2015  
Operator:

Operator  
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e-Mail

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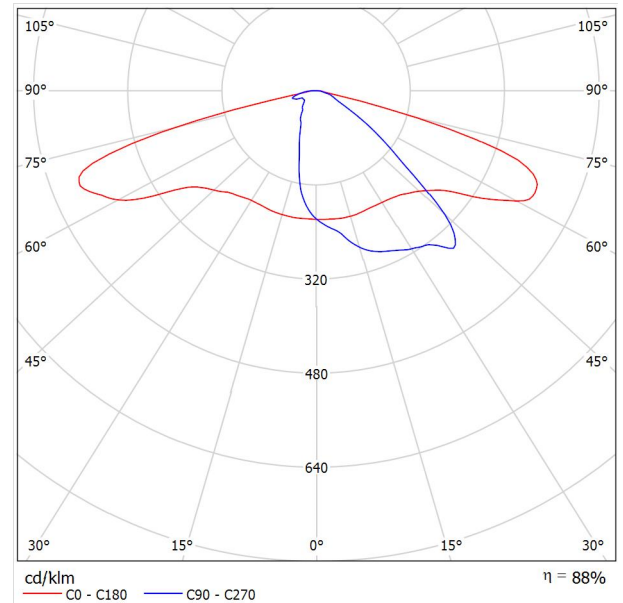
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## SIA Elnitor RoadSpark SLIM 80W / Luminaire Data Sheet

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

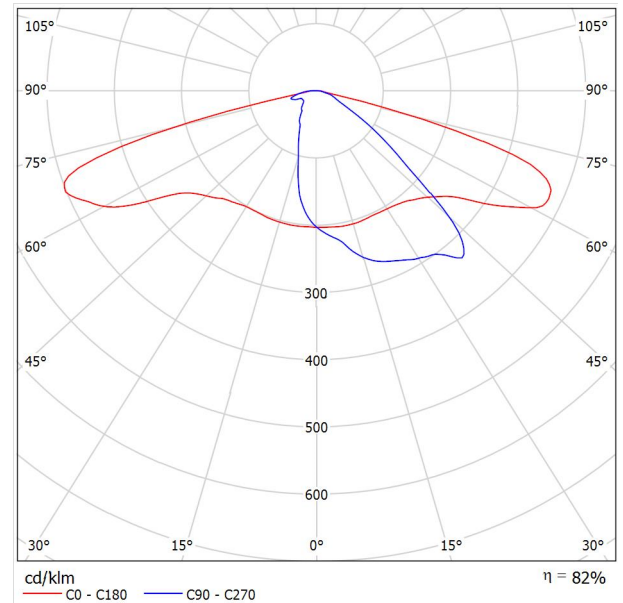
Due to missing symmetry properties, no UGR table  
can be displayed for this luminaire.

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## 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.

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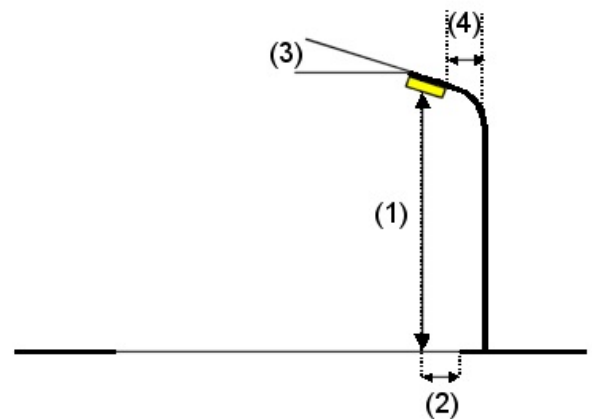
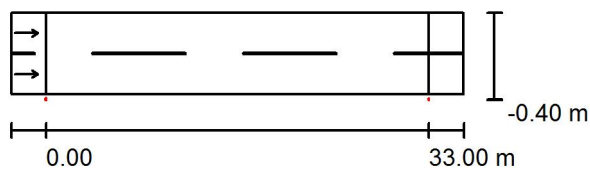
## Dārza iela / Planning data

### Street Profile

Roadway 1 (Width: 7.000 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:	33.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.400 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.

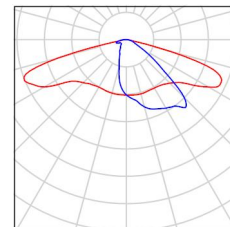
Arrangement complies with glare index class D.4.

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## Dārza 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).

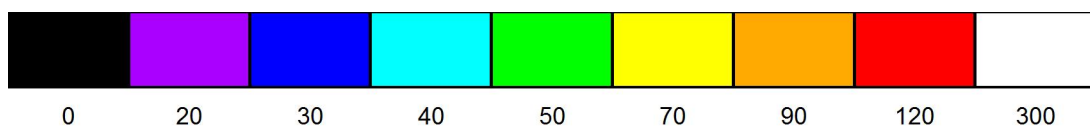
See our luminaire  
catalog for an image of  
the luminaire.





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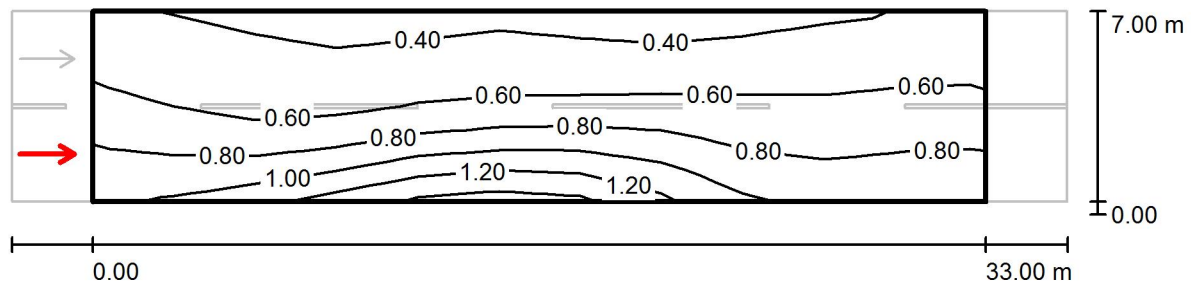
## Dārza iela / False Color Rendering



lx

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



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

Grid: 11 x 6 Points

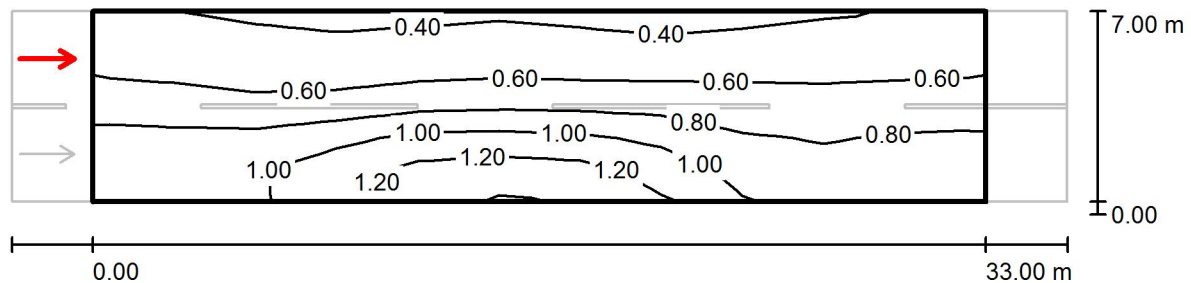
Observer Position: (-60.000 m, 1.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.68	0.51	0.72	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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### Dārza 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, 5.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.74	0.50	0.85	8
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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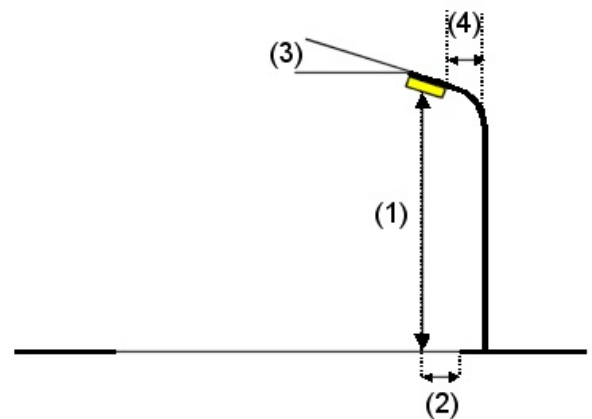
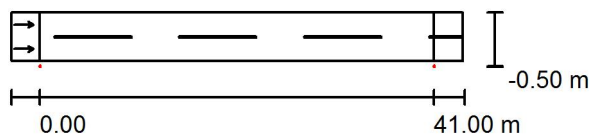
## Avotu iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	41.000 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°:	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.

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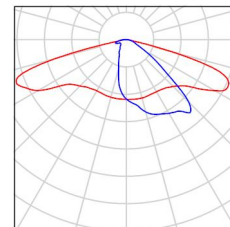
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## Avotu iela / Luminaire parts list

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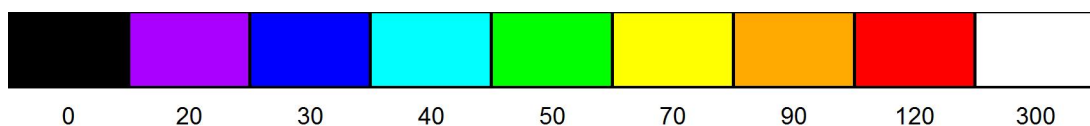
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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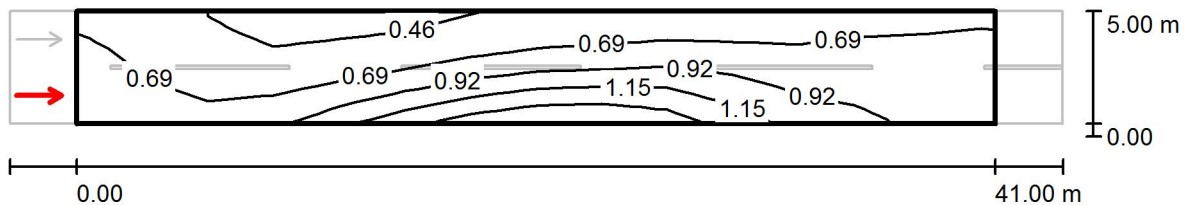
## Avotu iela / False Color Rendering



lx

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



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

Grid: 14 x 6 Points

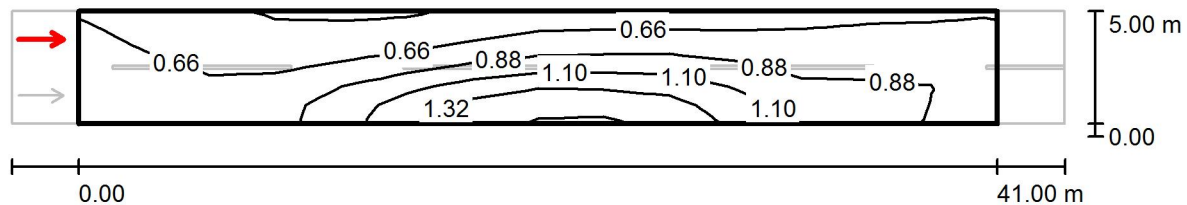
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.78	0.51	0.50	14
Required values according to class ME4b:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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### Avotu 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, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.84	0.52	0.62	11
Required values according to class ME4b:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



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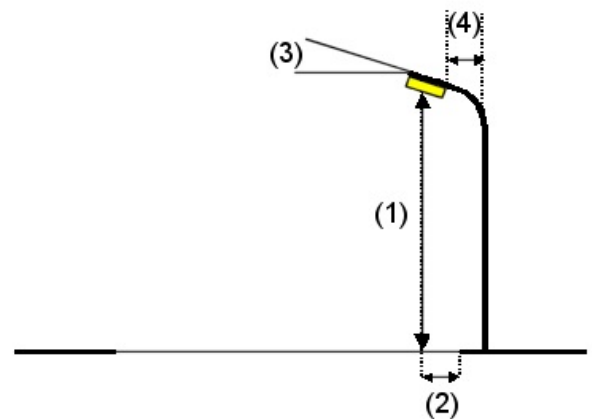
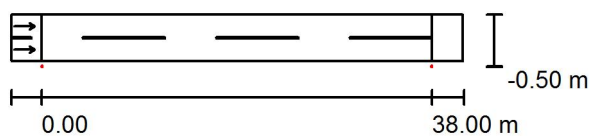
## levu iela / Planning data

### 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:	38.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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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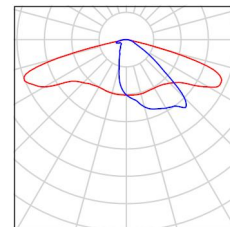
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## levu iela / Luminaire parts list

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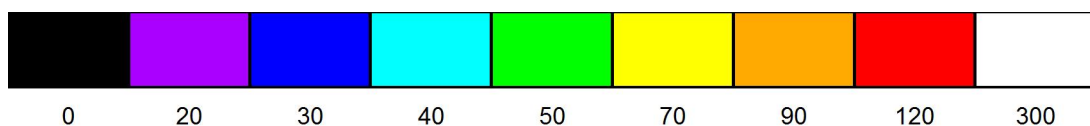
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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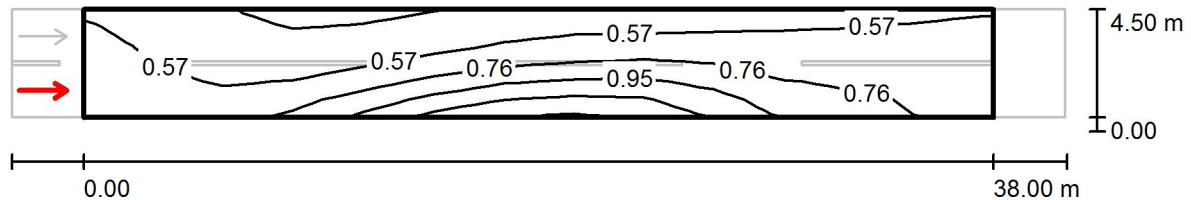
## levu iela / False Color Rendering



lx

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



Values in Candela/m<sup>2</sup>, Scale 1 : 315

Grid: 13 x 6 Points

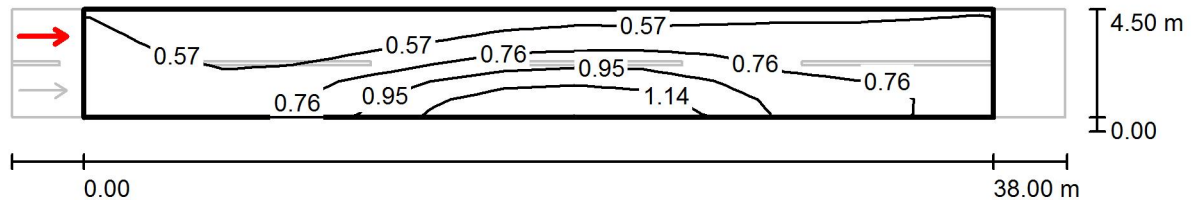
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.68	0.52	0.54	13
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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



Values in Candela/m<sup>2</sup>, Scale 1 : 315

Grid: 13 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:	0.73	0.52	0.62	10
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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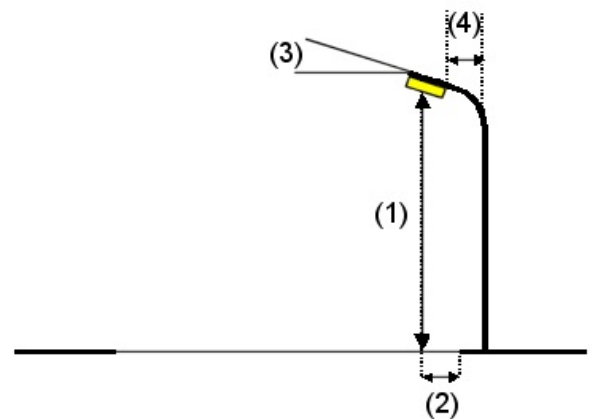
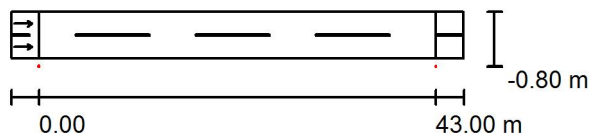
## Vidus iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	43.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.800 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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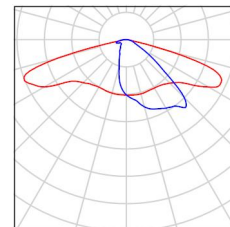
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## Vidus iela / Luminaire parts list

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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.



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## Vidus iela / False Color Rendering

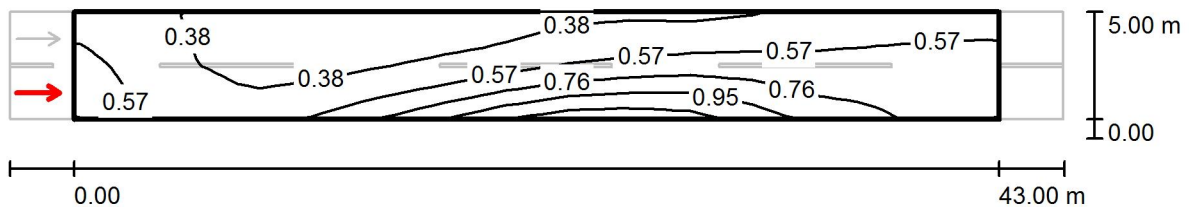


0 20 30 40 50 70 90 120 300 lx



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



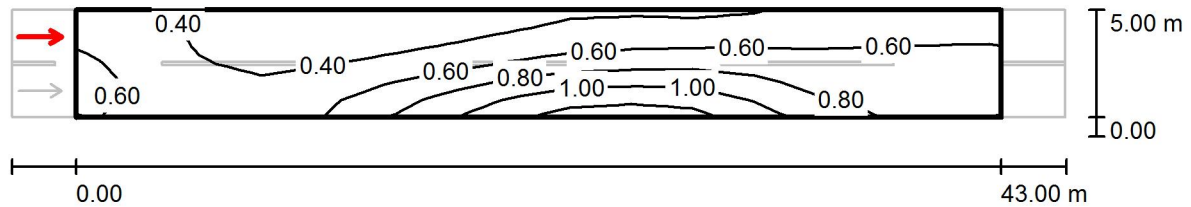
Values in Candela/m<sup>2</sup>, Scale 1 : 351

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:	0.56	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:	✓	✓	✓	✓

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### Vidus 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:	0.60	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:	✓	✓	✓	✓

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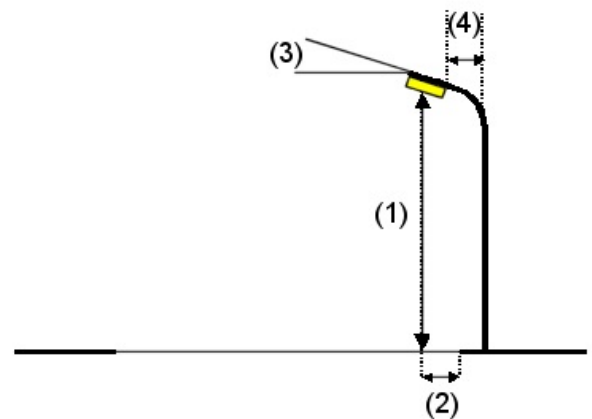
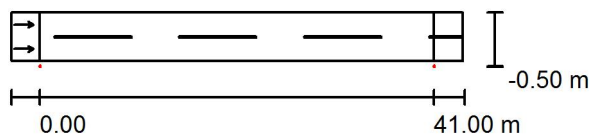
## Bērzu iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	41.000 m
Mounting Height (1):	8.500 m
Height:	8.500 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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

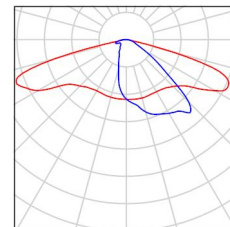
---

**Bērzū iela / Luminaire parts list**

---

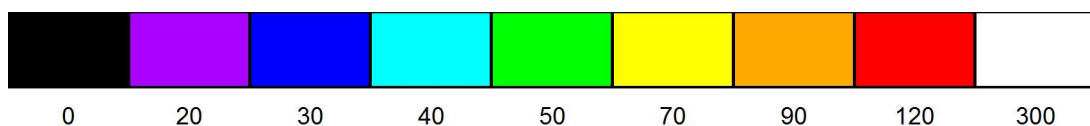
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



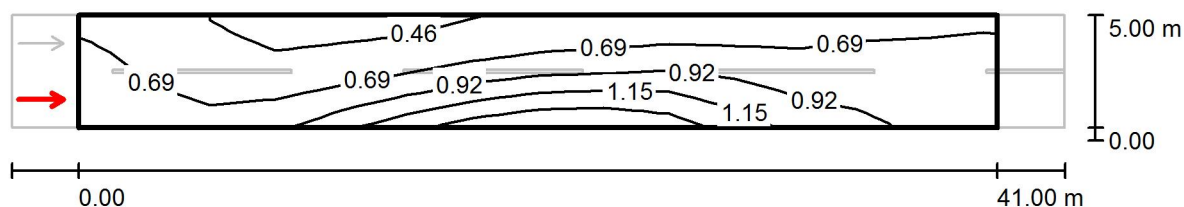
Operator  
Telephone  
Fax  
e-Mail

## Bērzu iela / False Color Rendering



Operator  
Telephone  
Fax  
e-Mail

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



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

Grid: 14 x 6 Points

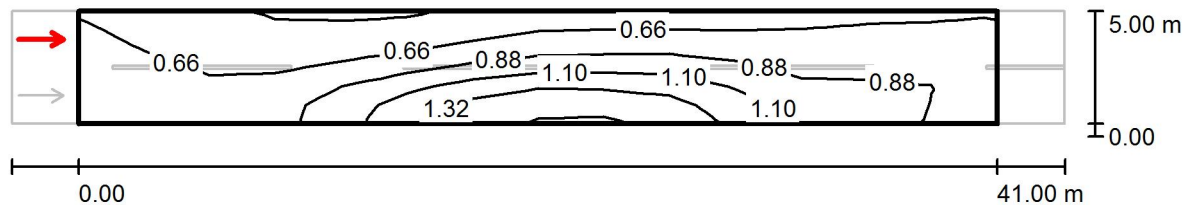
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.78	0.51	0.50	14
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

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



Values in Candela/m², Scale 1 : 337

Grid: 14 x 6 Points

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

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.84	0.52	0.62	11
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

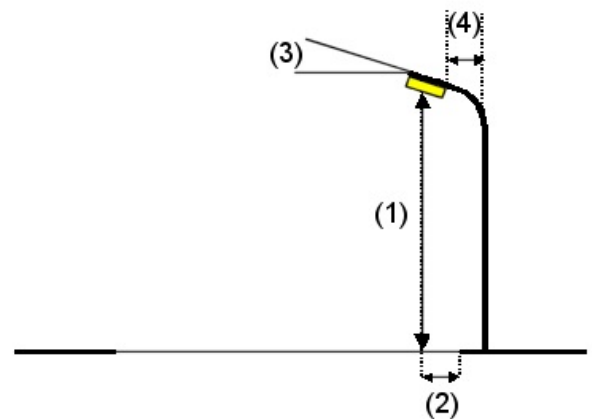
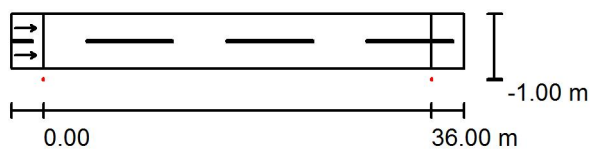
## Maskavas iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	36.000 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°:	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

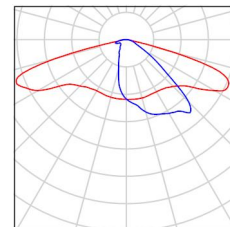
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**Maskavas iela / Luminaire parts list**

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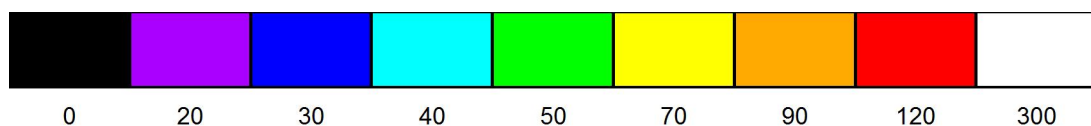
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

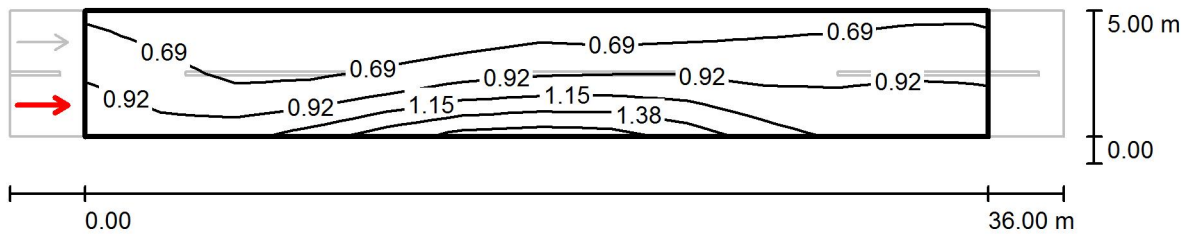
## Maskavas iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points

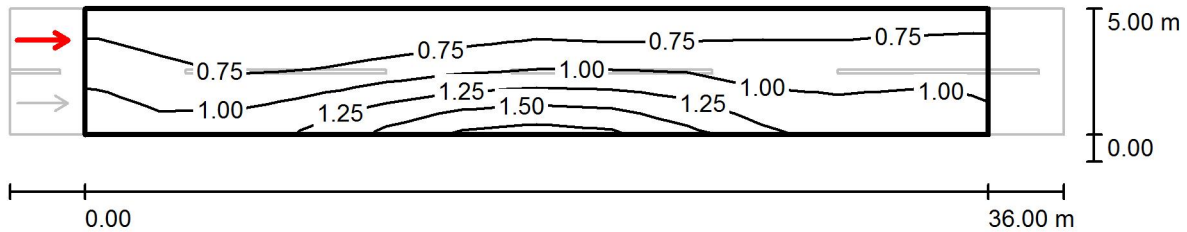
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.86	0.55	0.61	14
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

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



Values in Candela/m<sup>2</sup>, Scale 1 : 301

Grid: 12 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:	0.94	0.55	0.73	10
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

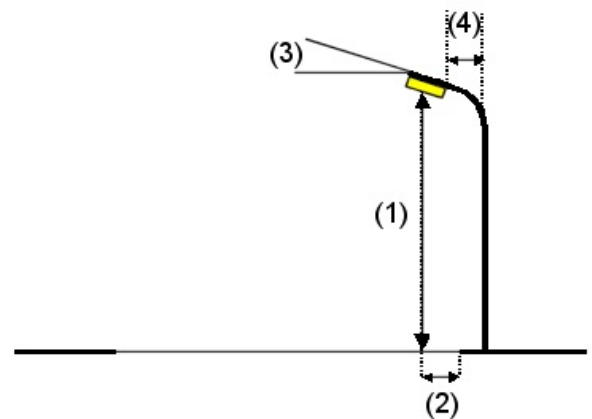
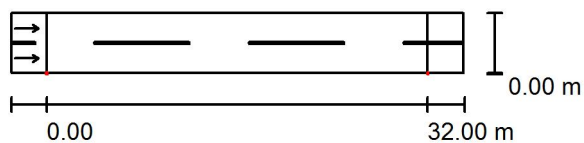
## Meža iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	32.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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

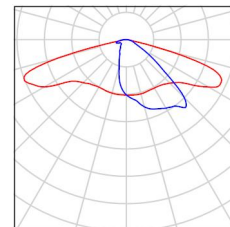
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**Meža iela / Luminaire parts list**

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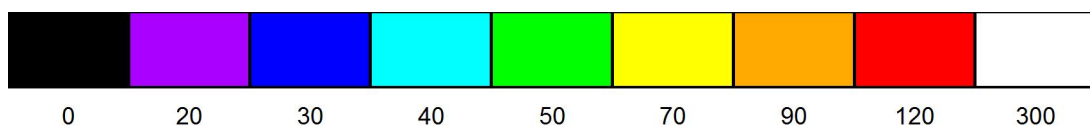
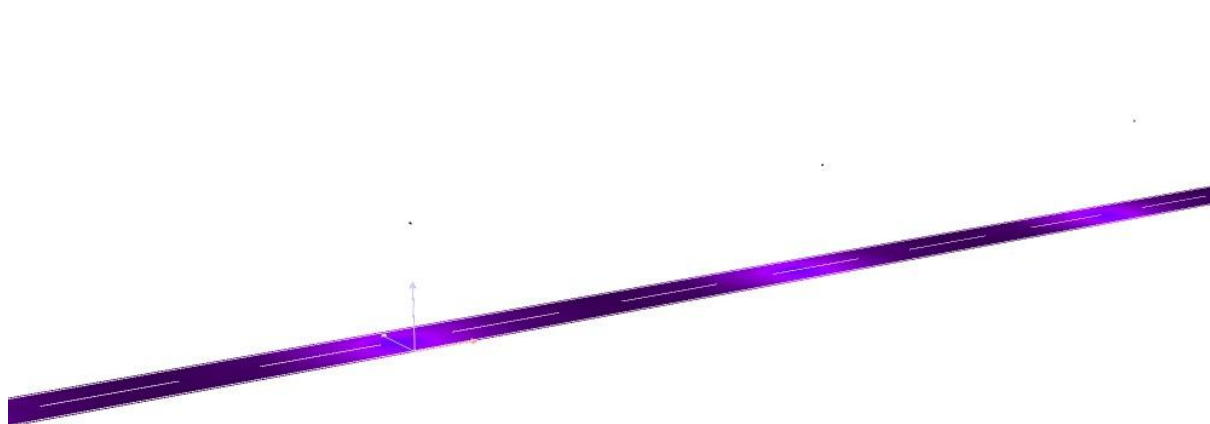
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

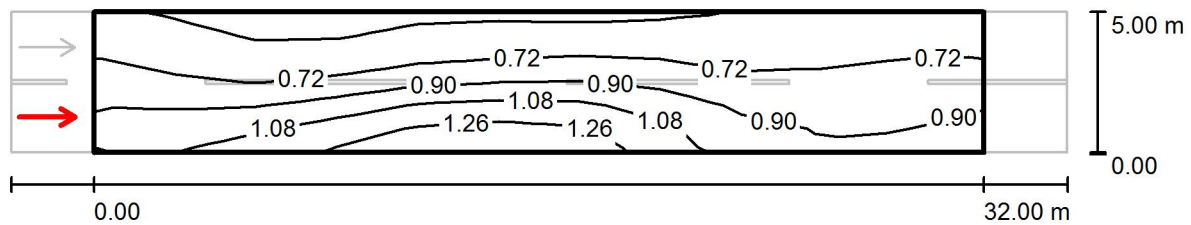
## Meža iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



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

Grid: 11 x 6 Points

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

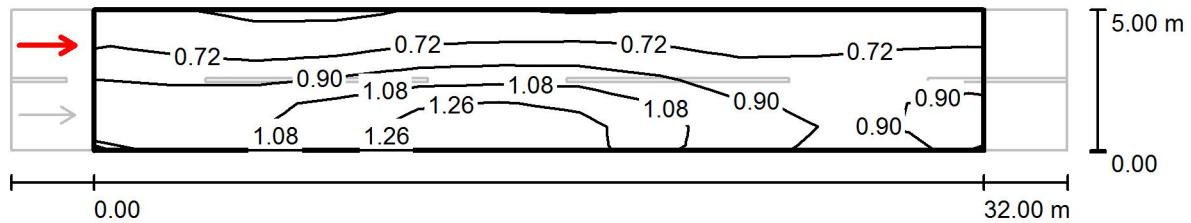
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.83	0.57	0.68	12
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 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

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



Values in Candela/m², Scale 1 : 272

Grid: 11 x 6 Points

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

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.88	0.58	0.82	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"/>

Operator  
Telephone  
Fax  
e-Mail

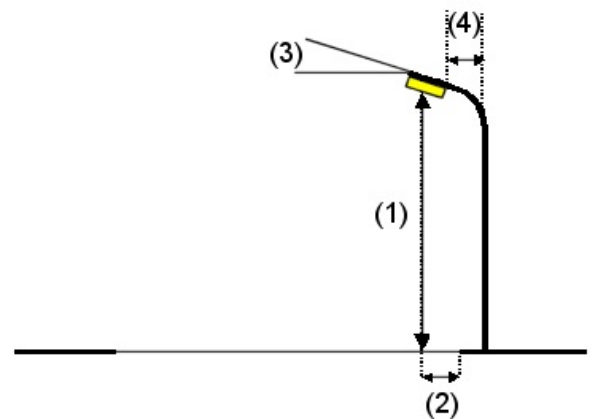
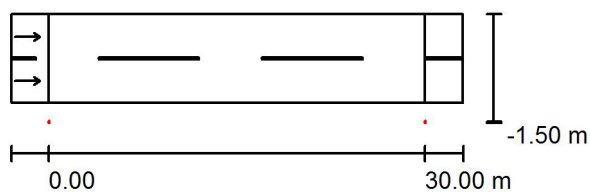
## Ezera iela / Planning data

### Street Profile

Roadway 1 (Width: 7.000 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: 30.000 m

Mounting Height (1): 8.000 m

Height: 8.000 m

Overhang (2): -1.500 m

Boom Angle (3): 0.0 °

Boom Length (4): 1.000 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

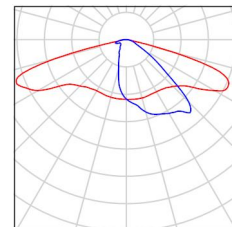
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## Ezera iela / Luminaire parts list

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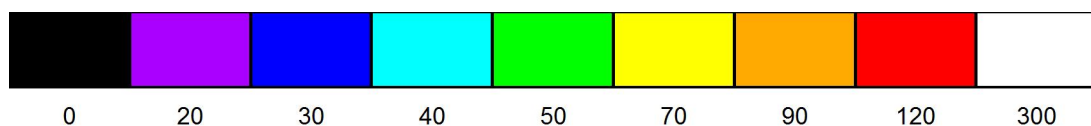
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



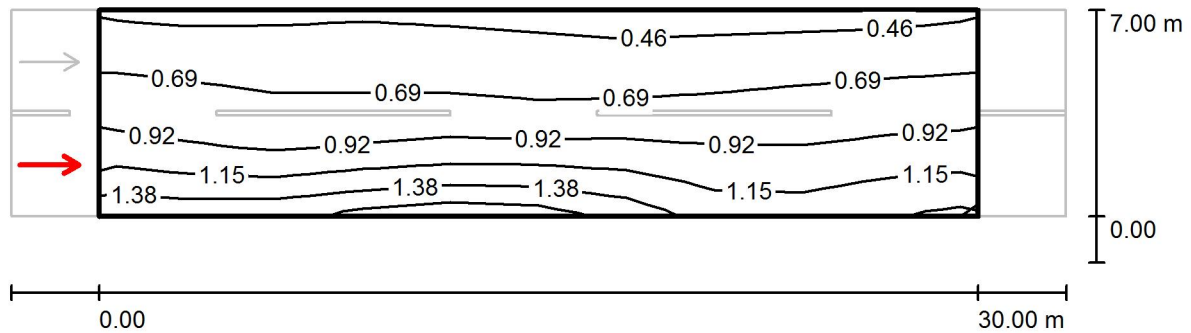
Operator  
Telephone  
Fax  
e-Mail

## Ezera iela / False Color Rendering



Operator  
Telephone  
Fax  
e-Mail

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



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

Grid: 10 x 6 Points

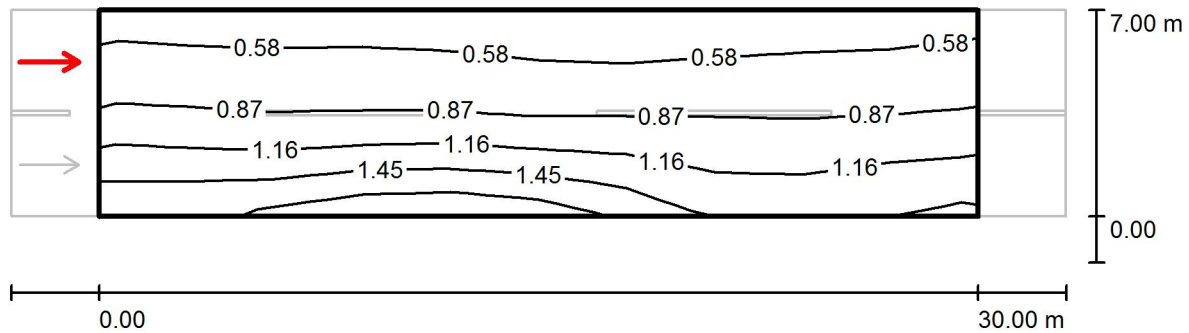
Observer Position: (-60.000 m, 1.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.84	0.49	0.84	13
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Ezera 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, 5.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.94	0.46	0.82	7
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

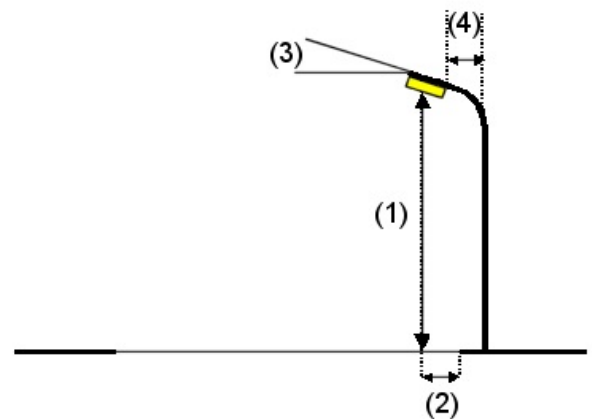
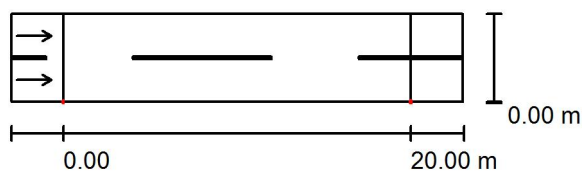
## Rēzeknes iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	20.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.000 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

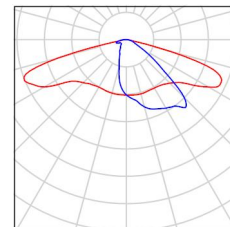
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## Rēzeknes iela / Luminaire parts list

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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).

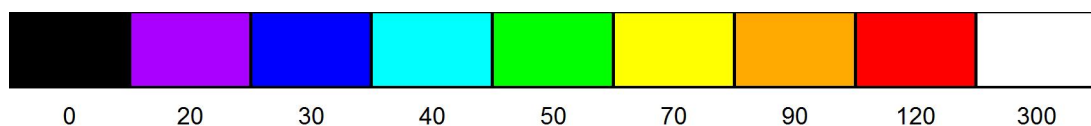
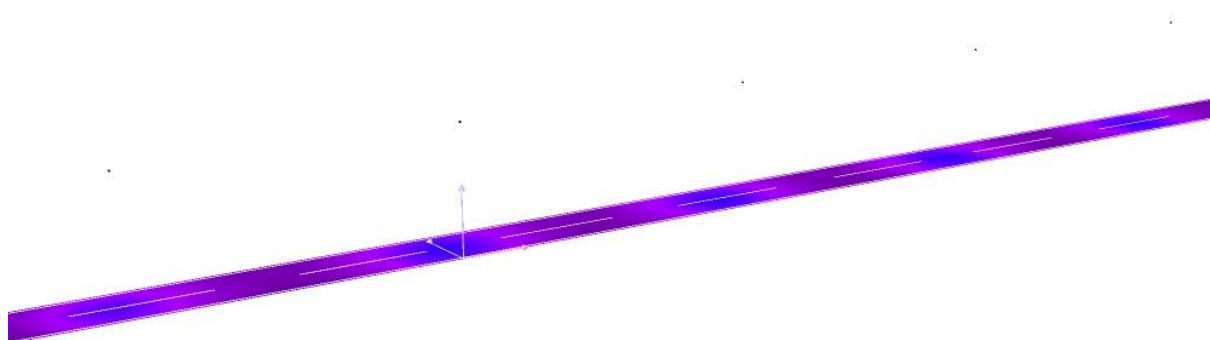
See our luminaire  
catalog for an image of  
the luminaire.





Operator  
Telephone  
Fax  
e-Mail

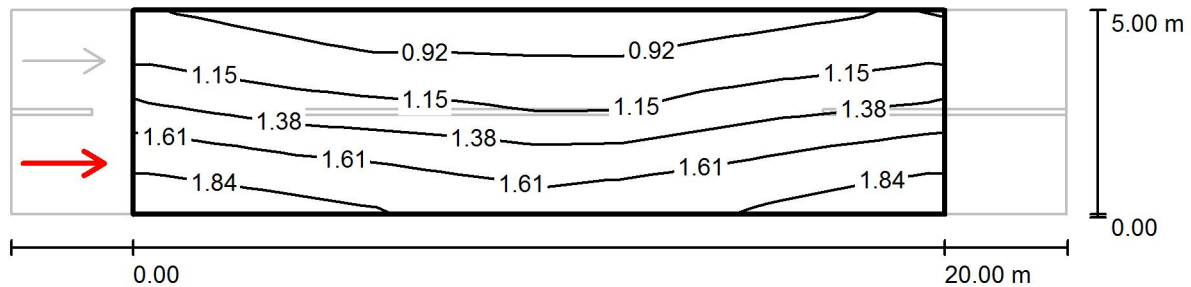
## Rēzeknes iela / False Color Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m², Scale 1 : 186

Grid: 10 x 6 Points

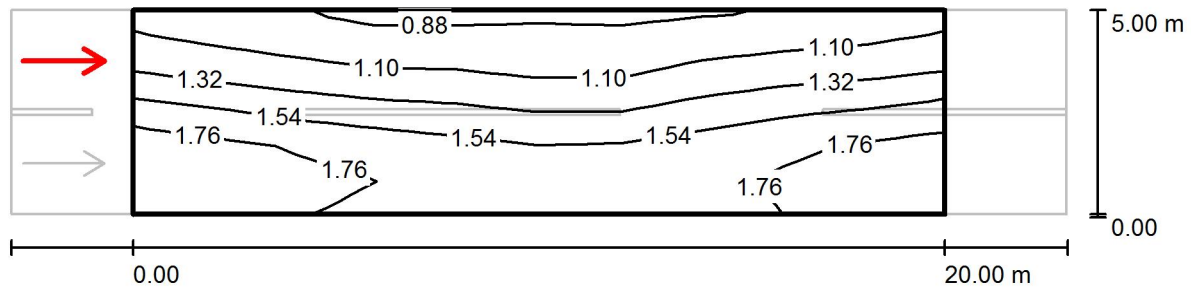
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	1.32	0.60	0.84	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m<sup>2</sup>, Scale 1 : 186

Grid: 10 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:	1.42	0.60	0.81	7
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

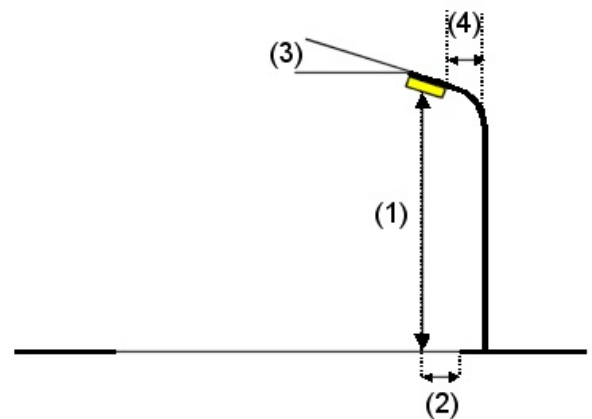
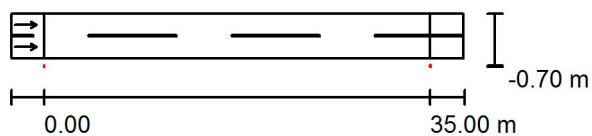
## M.Saules iela / Planning data

### 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:	35.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.700 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.

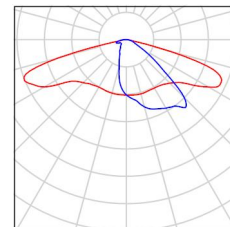
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## M.Saules 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

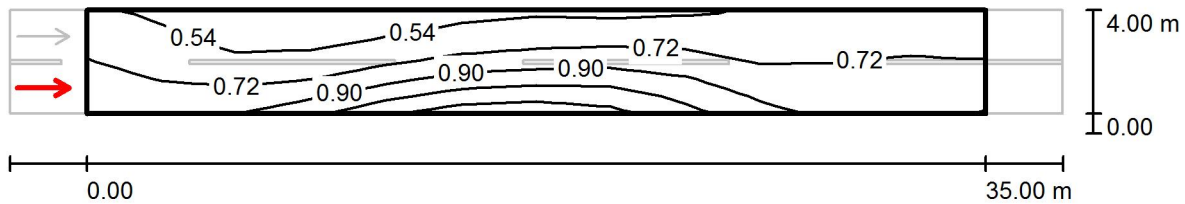
## M.Saules iela / False Color Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

### M.Saules iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



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

Grid: 12 x 6 Points

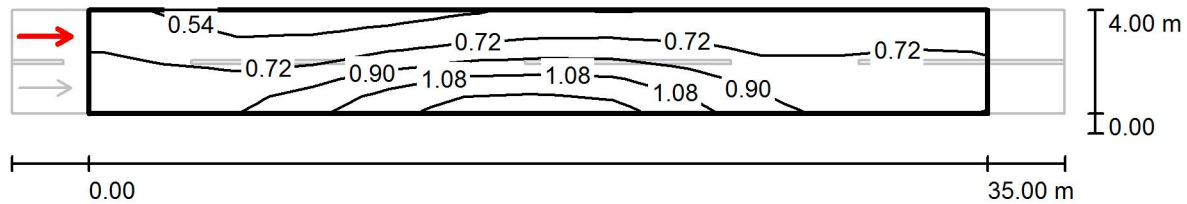
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.74	0.56	0.65	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

### M.Saules 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, 3.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.80	0.57	0.72	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

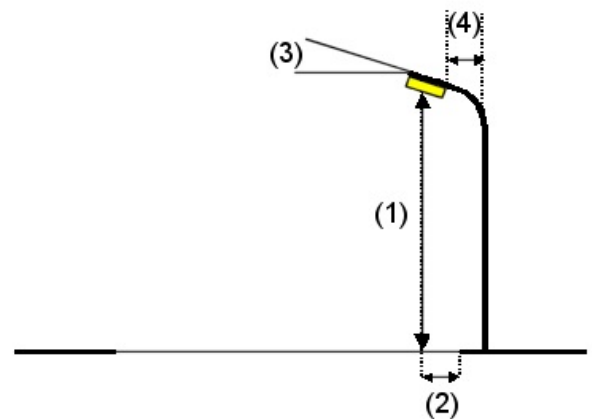
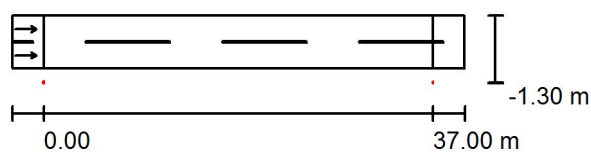
## Vitoli iela / Planning data

### Street Profile

Roadway 1 (Width: 5.000 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:	37.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-1.300 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.

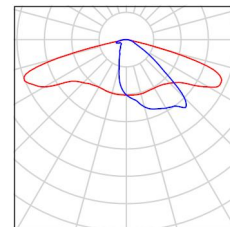
Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

## Vītoli iela / Luminaire parts list

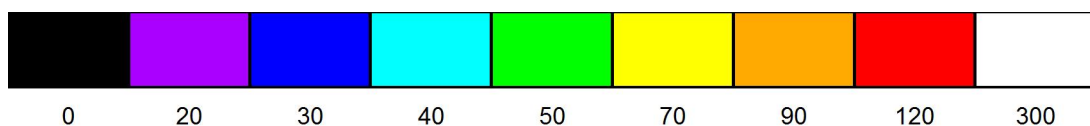
RoadSpark SLIM 60W  
Article No.:  
Luminous flux (Luminaire): 6072 lm  
Luminous flux (Lamps): 7440 lm  
Luminaire Wattage: 60.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 82  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



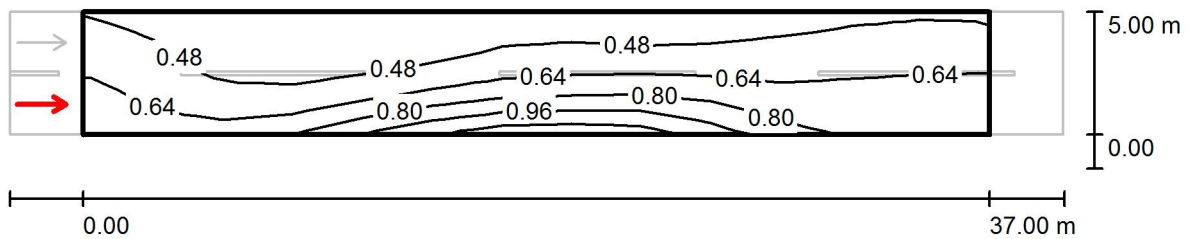
Operator  
Telephone  
Fax  
e-Mail

## Vītolu iela / False Color Rendering



Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m², Scale 1 : 308

Grid: 13 x 6 Points

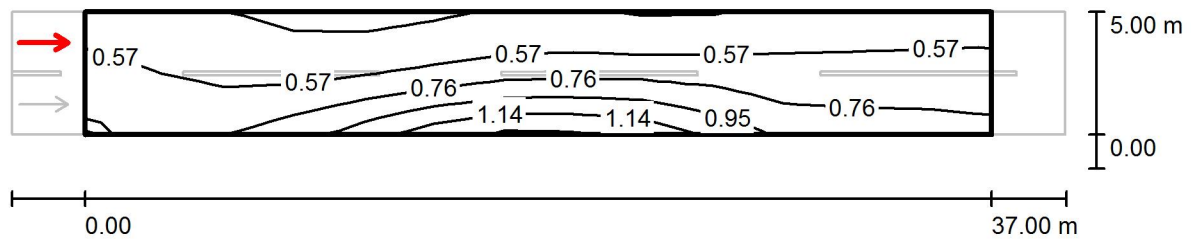
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.60	0.54	0.58	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

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



Values in Candela/m<sup>2</sup>, Scale 1 : 308

Grid: 13 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:	0.66	0.54	0.72	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

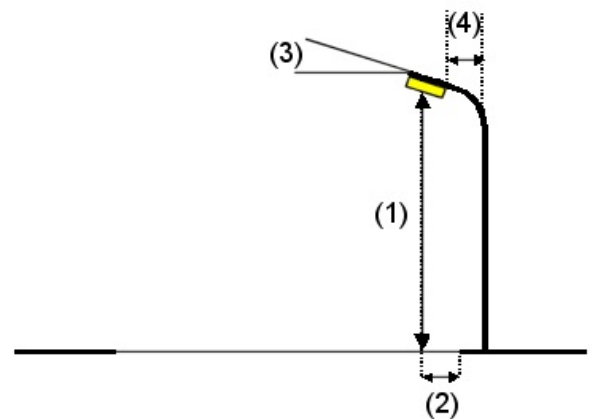
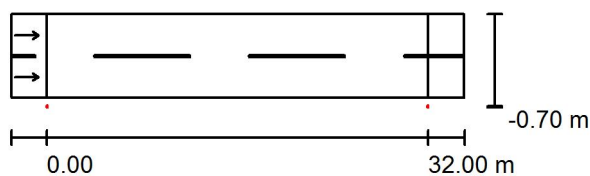
## Lazdonas iela / Planning data

### Street Profile

Roadway 1 (Width: 7.000 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°: 492 cd/klm
Luminaire Wattage:	80.0 W	at 80°: 103 cd/klm
Arrangement:	Single row, bottom	at 90°: 13 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):	8.000 m	No luminous intensities above 90°.
Height:	8.000 m	Arrangement complies with luminous intensity class G2.
Overhang (2):	-0.700 m	Arrangement complies with glare index class D.4.
Boom Angle (3):	0.0 °	
Boom Length (4):	1.000 m	

Operator  
Telephone  
Fax  
e-Mail

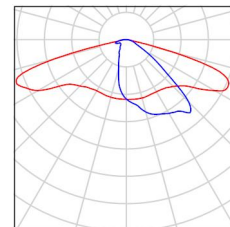
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## Lazdonas iela / Luminaire parts list

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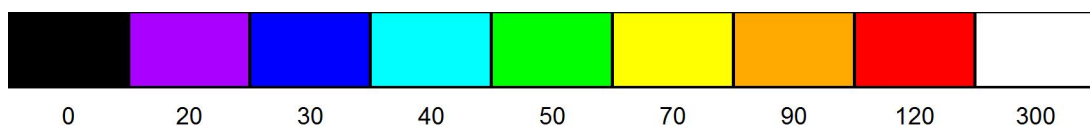
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

## Lazdonas iela / False Color Rendering

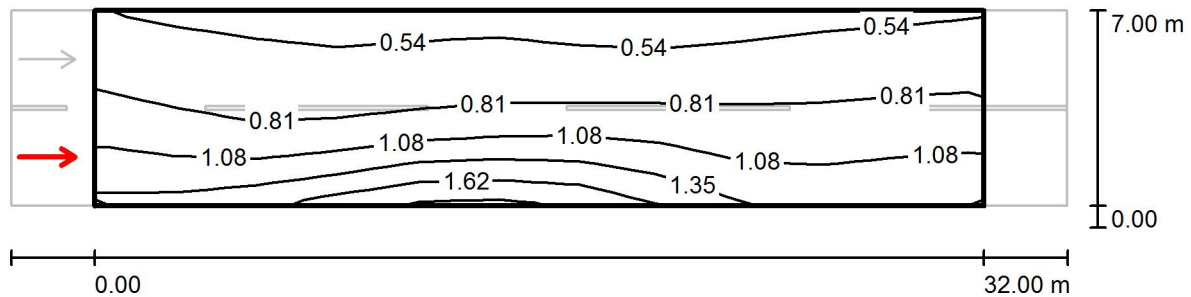


lx



Operator  
Telephone  
Fax  
e-Mail

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



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

Grid: 11 x 6 Points

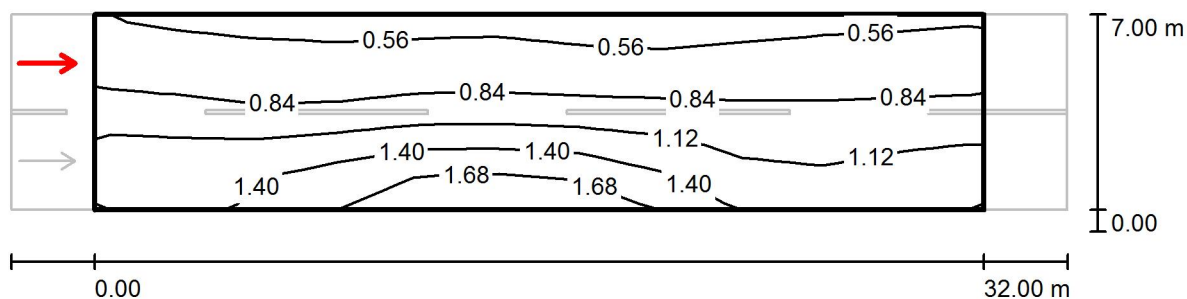
Observer Position: (-60.000 m, 1.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.89	0.51	0.75	14
Required values according to class ME4a:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 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

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



Values in Candela/m², Scale 1 : 272

Grid: 11 x 6 Points

Observer Position: (-60.000 m, 5.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.98	0.49	0.85	8
Required values according to class ME4a:	$\geq 0.75$	$\geq 0.40$	$\geq 0.60$	$\leq 15$
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Operator  
Telephone  
Fax  
e-Mail

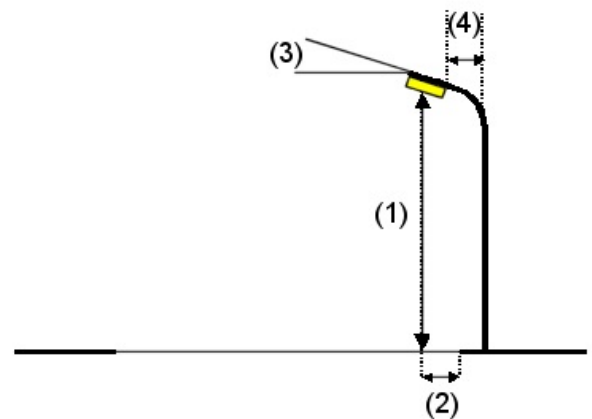
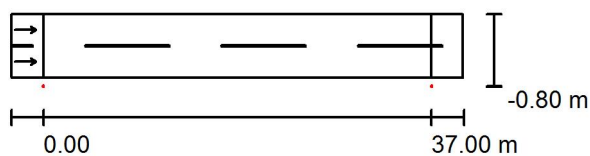
## O.Kalpaka iela / Planning data

### Street Profile

Roadway 1 (Width: 6.000 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:	37.000 m	
Mounting Height (1):	8.000 m	
Height:	8.000 m	
Overhang (2):	-0.800 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.

Operator  
Telephone  
Fax  
e-Mail

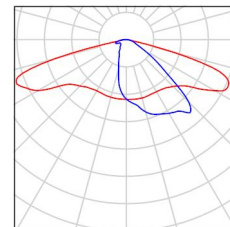
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## O.Kalpaka iela / Luminaire parts list

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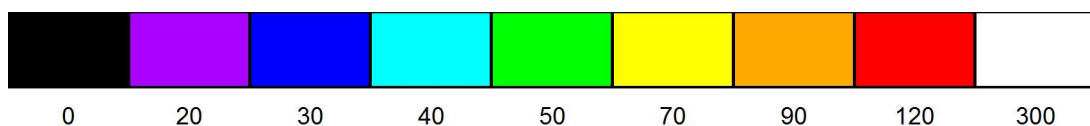
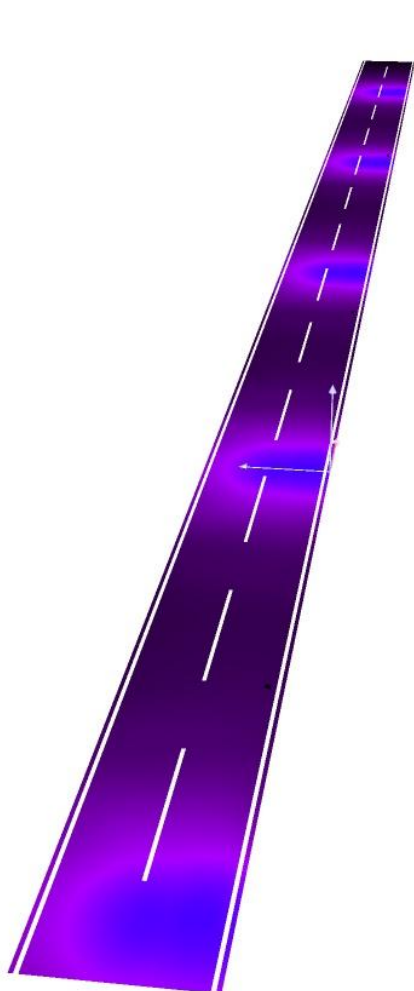
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



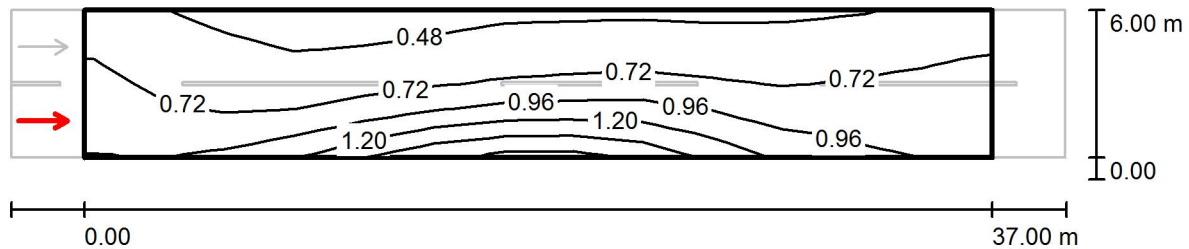
Operator  
Telephone  
Fax  
e-Mail

## O.Kalpaka iela / False Color Rendering



Operator  
Telephone  
Fax  
e-Mail

### O.Kalpaka iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 308

Grid: 13 x 6 Points

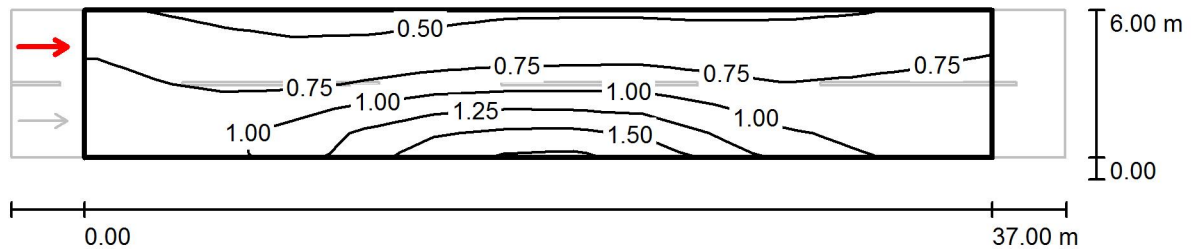
Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.77	0.54	0.62	15
Required values according to class ME4a:	$\geq 0.75$	$\geq 0.40$	$\geq 0.60$	$\leq 15$
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Operator  
Telephone  
Fax  
e-Mail

### O.Kalpaka iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 308

Grid: 13 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:	0.85	0.54	0.75	11
Required values according to class ME4a:	$\geq 0.75$	$\geq 0.40$	$\geq 0.60$	$\leq 15$
Fulfilled/Not fulfilled:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>