

## **Aloja 2 daļa**

Baznīcas iela  
Jāņa Čakstes iela  
Kluba iela  
Jūras iela

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

Date: 13.04.2015  
Operator:

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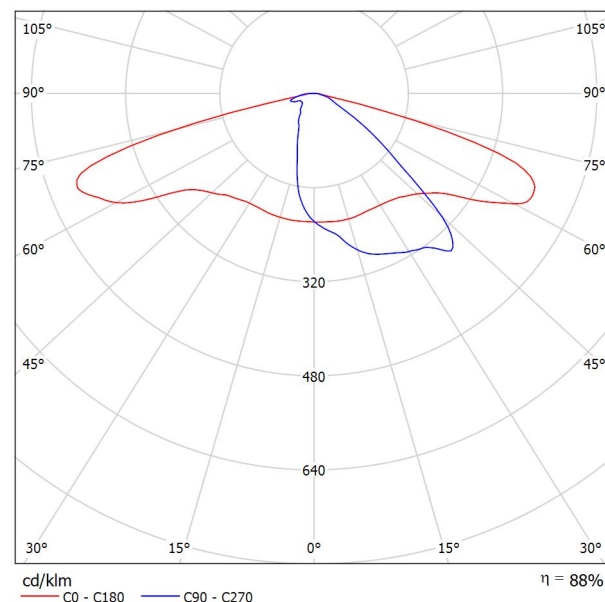
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## SIA Elnitor RoadSpark SLIM 80W / Luminaire Data Sheet

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

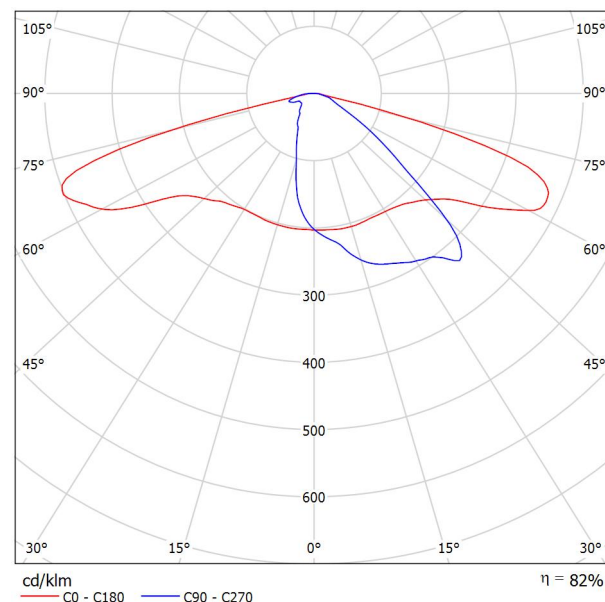
Due to missing symmetry properties, no UGR table  
can be displayed for this luminaire.

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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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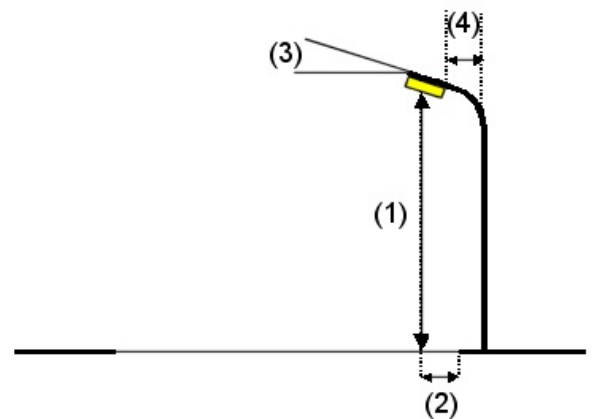
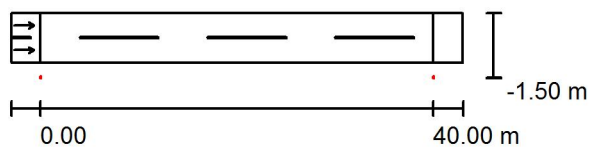
## Baznīcas iela / Planning data

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



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

#### Maximum luminous intensities

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

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

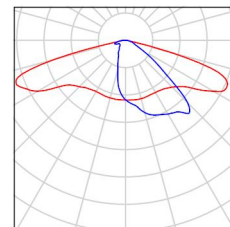
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**Baznīcas iela / Luminaire parts list**

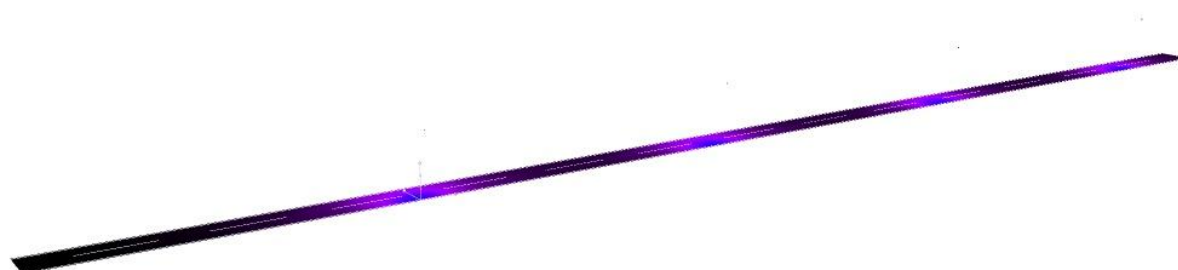
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 0.900).

See our luminaire  
catalog for an image of  
the luminaire.



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## Baznīcas iela / False Colour Rendering

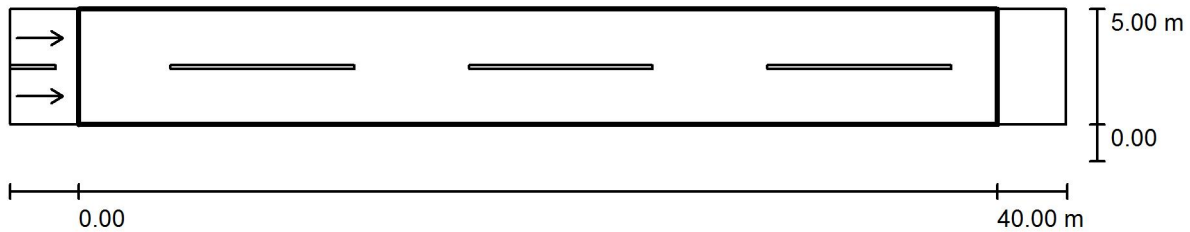


0 20 30 40 50 70 90 120 300 lx



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



Maintenance factor: 0.85

Scale 1:329

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

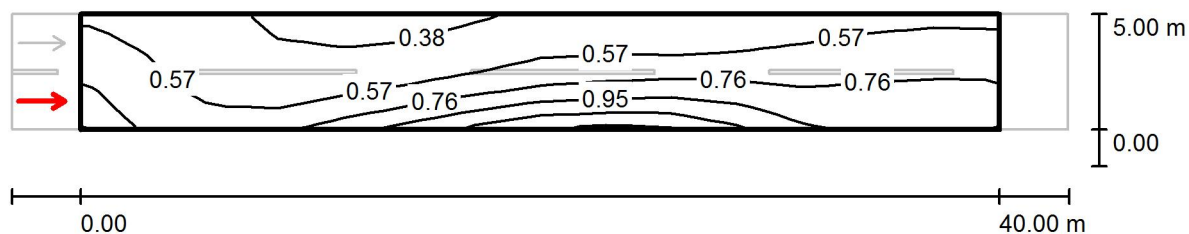
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.65	0.48	0.49	15	0.82
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

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

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



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

Grid: 14 x 6 Points

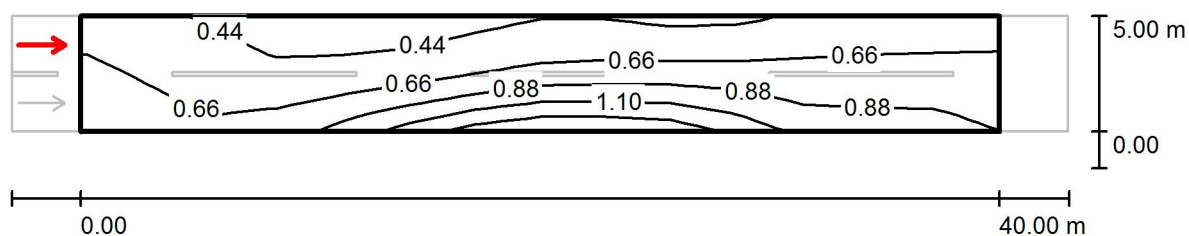
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

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

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



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

Grid: 14 x 6 Points

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

tarmac: R3, q0: 0.070

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

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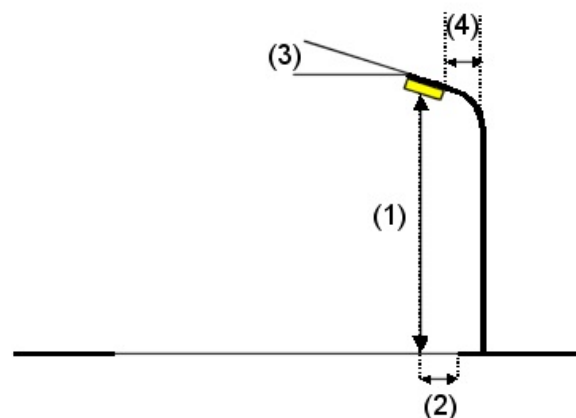
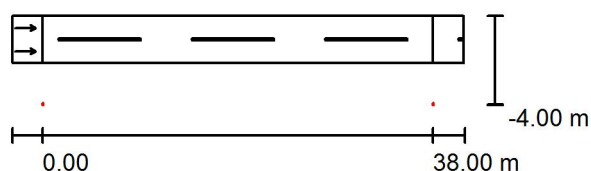
## Jāņa Čakstes iela / Planning data

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 38.000 m  
 Mounting Height (1): 8.500 m  
 Height: 8.500 m  
 Overhang (2): -4.000 m  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 2.000 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.

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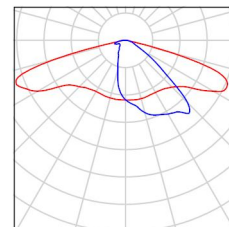
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**Jāņa Čakstes iela / Luminaire parts list**

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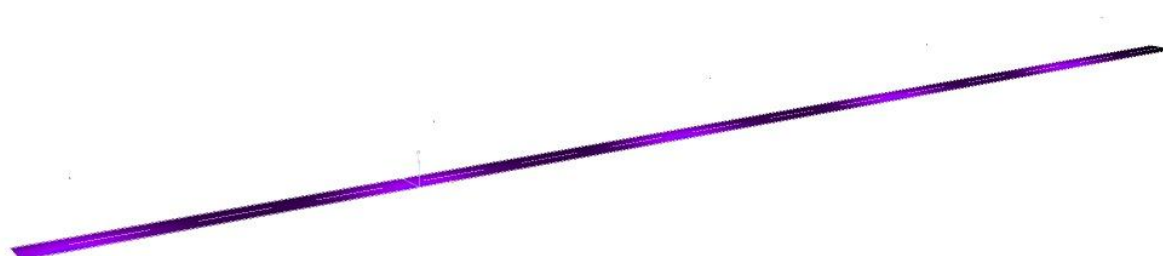
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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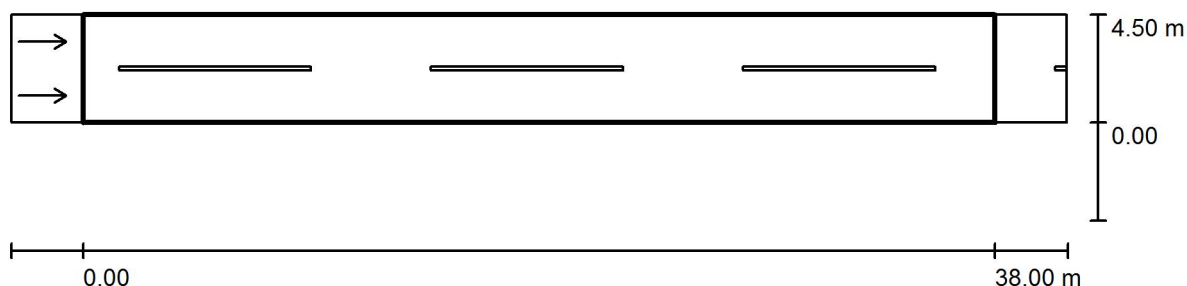
## Jāņa Čakstes iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

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## Jāņa Čakstes iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:315

Grid: 13 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

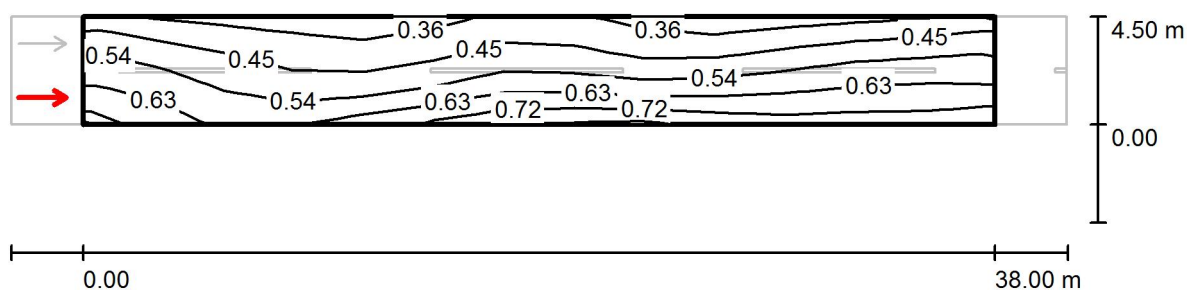
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.53	0.60	0.76	14	0.86
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.125, 1.500)	0.53	0.61	0.76	14
2	Observer 2	(-60.000, 3.375, 1.500)	0.56	0.60	0.77	10

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



Values in Candela/m², Scale 1 : 315

Grid: 13 x 6 Points

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

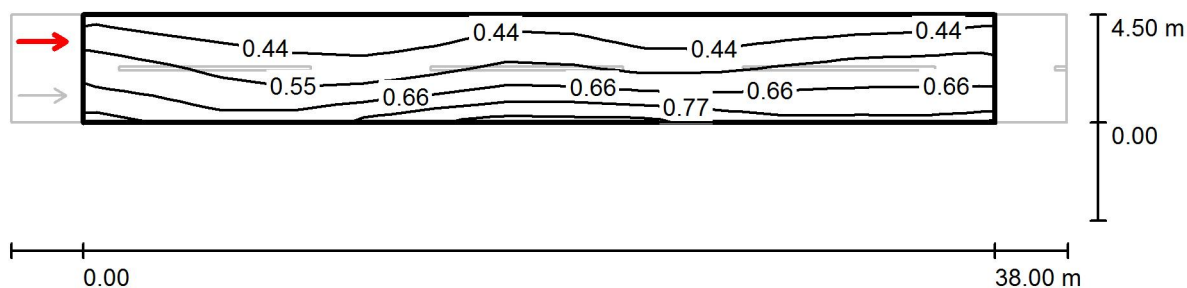
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.53	0.61	0.76	14
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



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



Values in Candela/m², 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/m²]	U0	UI	TI [%]
Calculated values:	0.56	0.60	0.77	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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## Kluba iela (pirmais posms) / Planning data

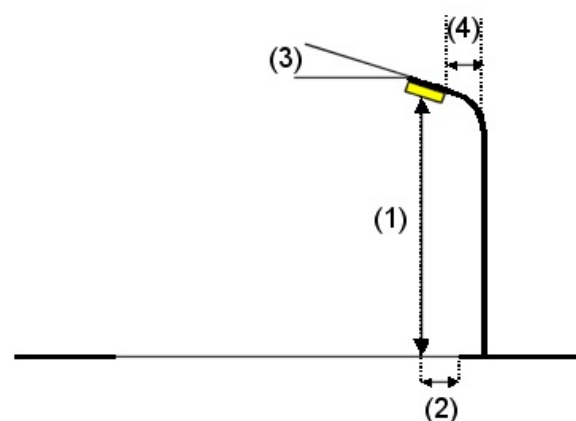
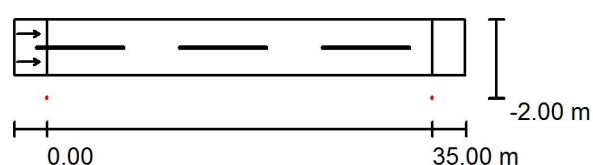
No Brīvības ielas līdz Jūras ielai

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W	Maximum luminous intensities
Luminous flux (Luminaire):	8081 lm	at 70°: 492 cd/klm
Luminous flux (Lamps):	9200 lm	at 80°: 103 cd/klm
Luminaire Wattage:	80.0 W	at 90°: 13 cd/klm
Arrangement:	Single row, bottom	
Pole Distance:	35.000 m	
Mounting Height (1):	9.000 m	
Height:	9.000 m	
Overhang (2):	-2.000 m	
Boom Angle (3):	0.0 °	
Boom Length (4):	1.500 m	

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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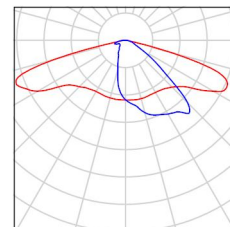
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**Kluba iela (pirmais posms) / Luminaire parts list**

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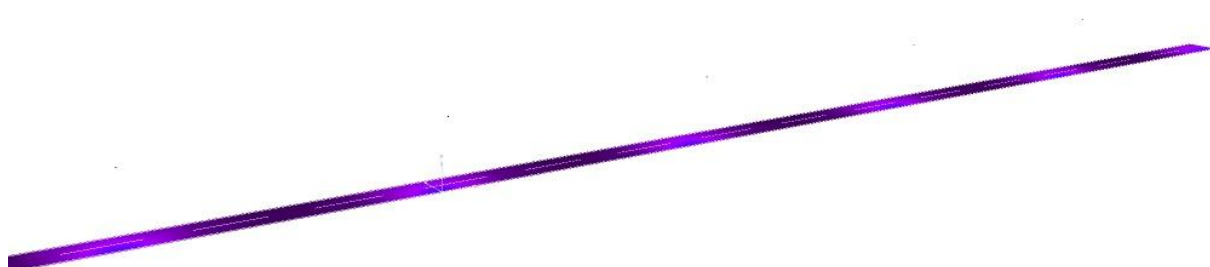
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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



0 20 30 40 50 70 90 120 300 lx

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



Maintenance factor: 0.85

Scale 1:294

Grid: 12 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

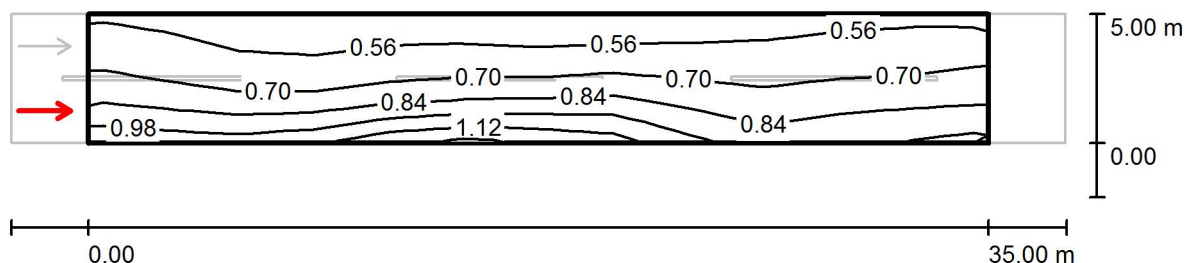
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.73	0.63	0.79	12	0.87
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.73	0.66	0.79	12
2	Observer 2	(-60.000, 3.750, 1.500)	0.80	0.63	0.87	9

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



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

Grid: 12 x 6 Points

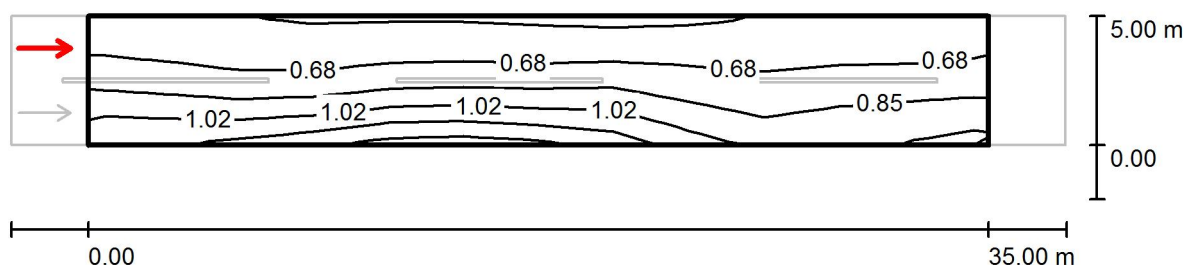
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.73	0.66	0.79	12
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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



Values in Candela/m², Scale 1 : 294

Grid: 12 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:	0.80	0.63	0.87	9
Required values according to class ME5:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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## Kluba iela (Otrais posms) / Planning data

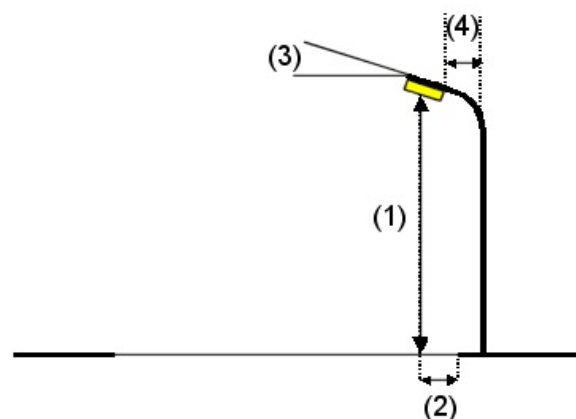
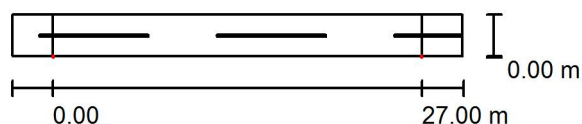
No Jūras ielas līdz Kalēju ielai

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 27.000 m  
 Mounting Height (1): 9.000 m  
 Height: 9.000 m  
 Overhang (2): 0.000 m  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 1.500 m

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

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.



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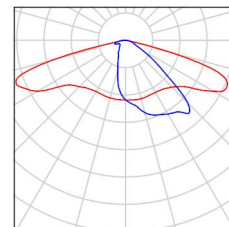
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**Kluba iela (Otrais posms) / Luminaire parts list**

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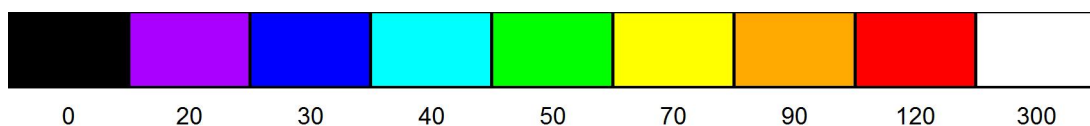
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 0.650).

See our luminaire  
catalog for an image of  
the luminaire.



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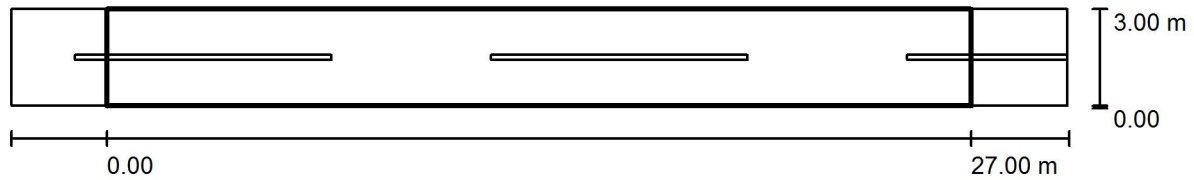
## Kluba iela (Otrais posms) / False Colour Rendering



lx

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### Kluba iela (Otrās posms) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:236

Grid: 10 x 3 Points

Accompanying Street Elements: Roadway 1.

Selected Lighting Class: S2

(All lighting performance requirements are met.)

Calculated values:

Required values according to class:

Fulfilled/Not fulfilled:

$E_{av}$  [lx]

10.71

$\geq 10.00$



$E_{min}$  [lx]

7.13

$\geq 3.00$



Operator  
Telephone  
Fax  
e-Mail

## Kluba iela (Trešais posms) / Planning data

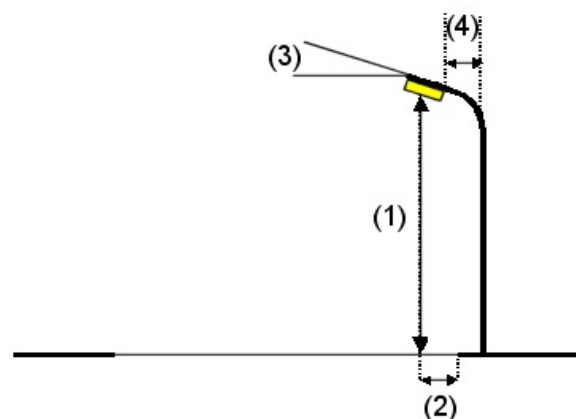
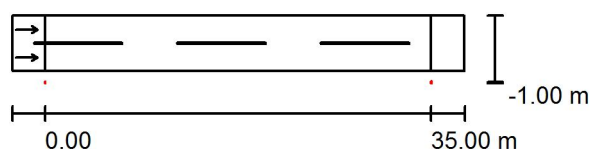
No Kalēju ielas līdz Skolas ielai

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 35.000 m  
 Mounting Height (1): 9.000 m  
 Height: 9.000 m  
 Overhang (2): -1.000 m  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

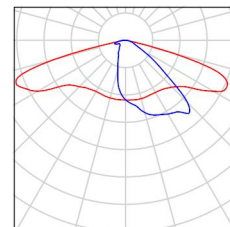
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**Kluba iela (Trešais posms) / Luminaire parts list**

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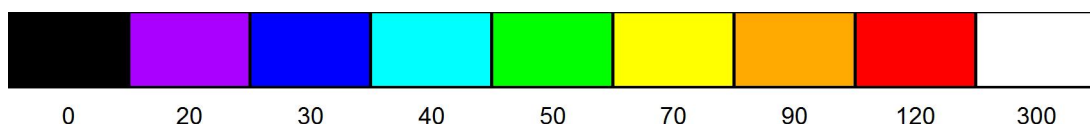
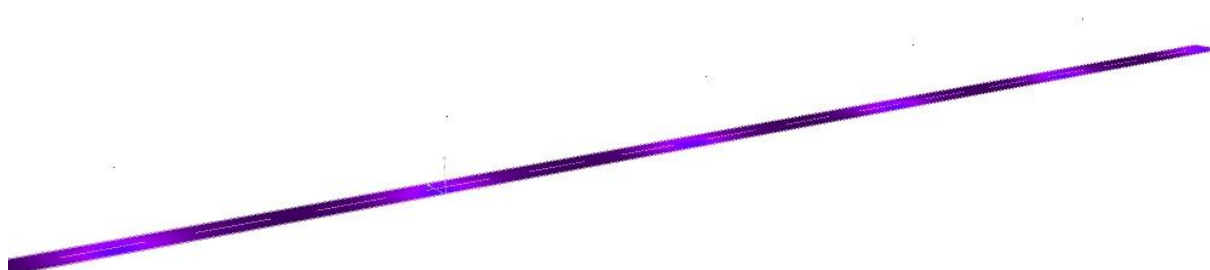
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

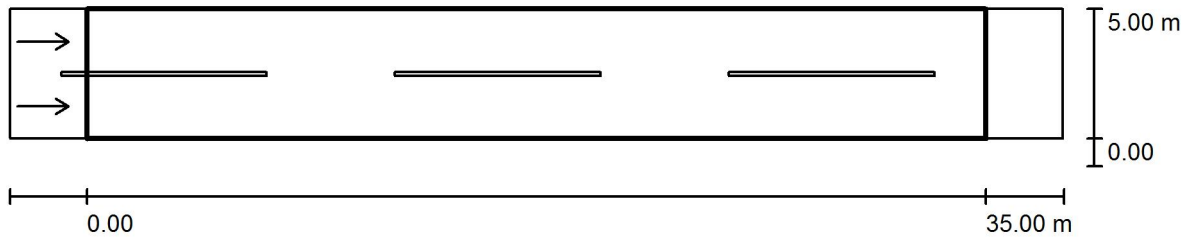
## Kluba iela (Trešais posms) / False Colour Rendering



lx

Operator  
Telephone  
Fax  
e-Mail

## Kluba iela (Trešais posms) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:294

Grid: 12 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

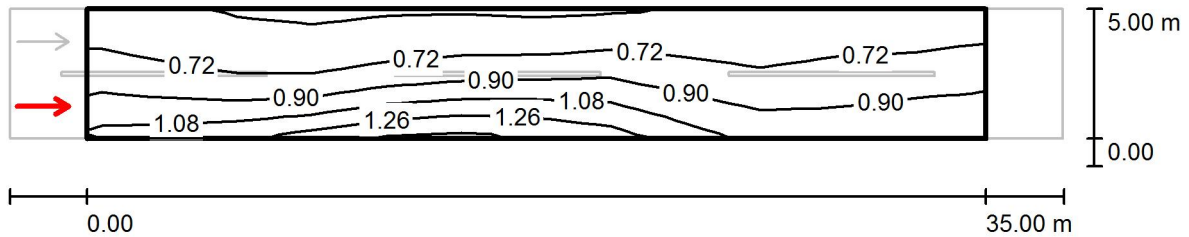
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.83	0.61	0.75	11	0.87
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.83	0.63	0.75	11
2	Observer 2	(-60.000, 3.750, 1.500)	0.90	0.61	0.84	9

Operator  
Telephone  
Fax  
e-Mail

### Kluba iela (Trešais posms) / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 294

Grid: 12 x 6 Points

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

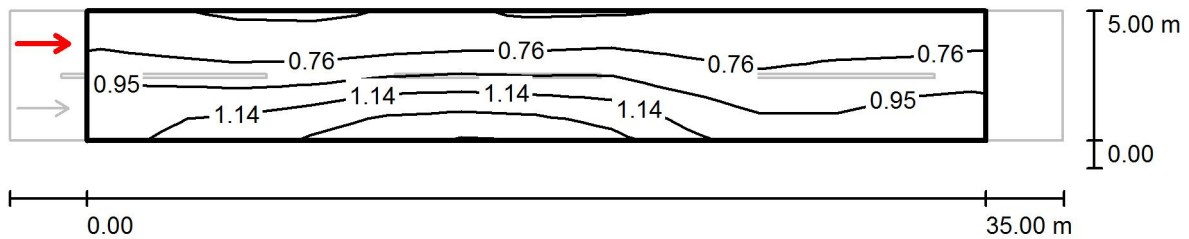
tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.83	0.63	0.75	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

### Kluba iela (Trešais posms) / 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, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	0.90	0.61	0.84	9
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

## Kluba iela (Ceturtais posms) / Planning data

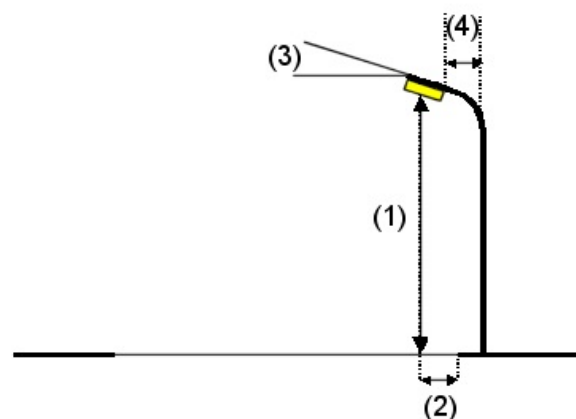
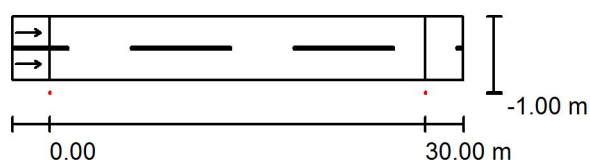
No Valmieras ielas līdz Rīgas ielai

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W
Luminous flux (Luminaire):	8081 lm
Luminous flux (Lamps):	9200 lm
Luminaire Wattage:	80.0 W
Arrangement:	Single row, bottom
Pole Distance:	30.000 m
Mounting Height (1):	7.500 m
Height:	7.500 m
Overhang (2):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

Operator  
Telephone  
Fax  
e-Mail

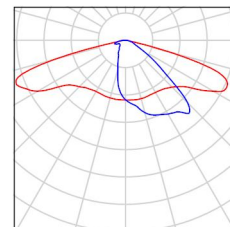
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**Kluba iela (Ceturtais posms) / Luminaire parts list**

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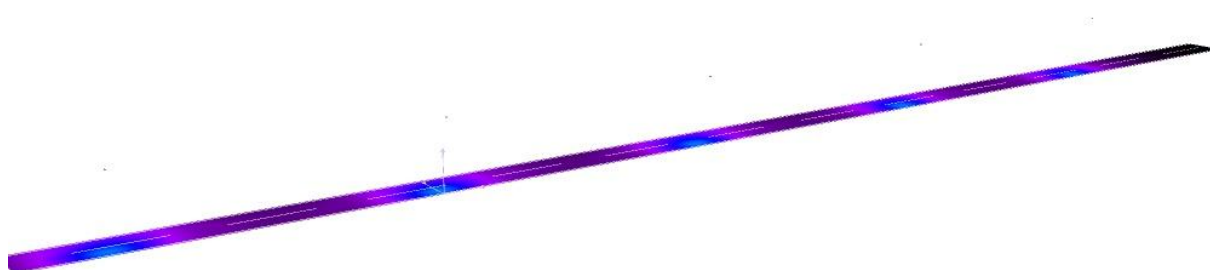
SIA Elnitor RoadSpark SLIM 80W  
Article No.:  
Luminous flux (Luminaire): 8081 lm  
Luminous flux (Lamps): 9200 lm  
Luminaire Wattage: 80.0 W  
Luminaire classification according to CIE: 100  
CIE flux code: 35 68 94 100 88  
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire  
catalog for an image of  
the luminaire.



Operator  
Telephone  
Fax  
e-Mail

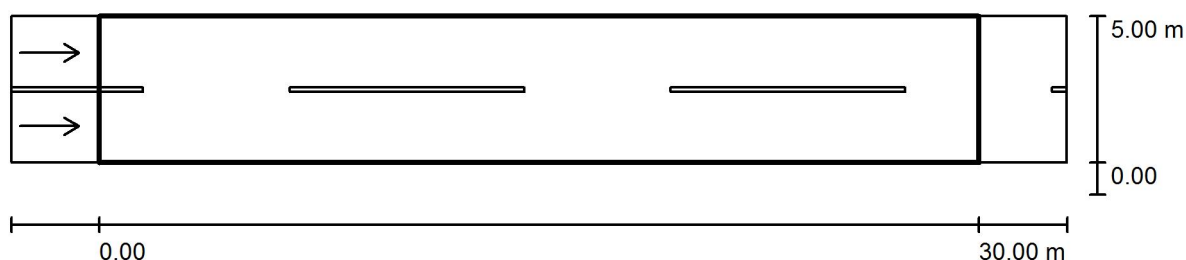
## Kluba iela (Ceturtais posms) / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

## Kluba iela (Ceturtais posms) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:258

Grid: 10 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

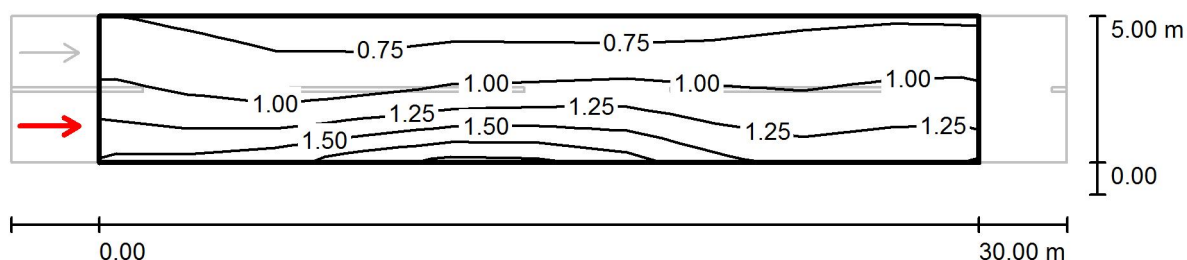
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	1.07	0.60	0.75	14	0.80
Required values according to class:	$\geq 0.50$	$\geq 0.35$	$\geq 0.40$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	1.07	0.61	0.75	14
2	Observer 2	(-60.000, 3.750, 1.500)	1.17	0.60	0.86	10

Operator  
Telephone  
Fax  
e-Mail

### Kluba iela (Ceturtais posms) / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



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

Grid: 10 x 6 Points

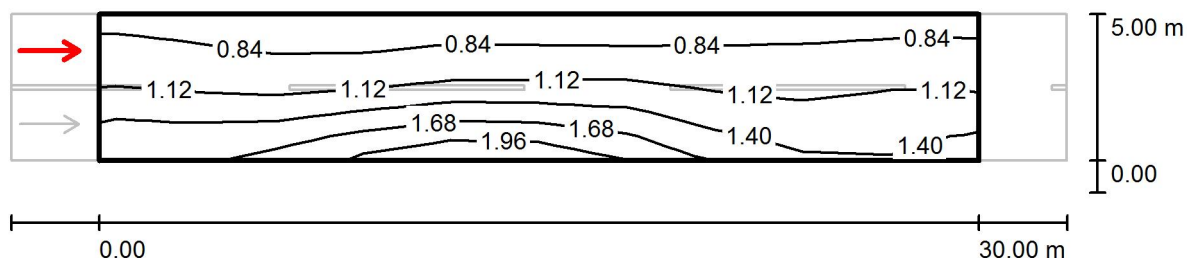
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
Calculated values:	1.07	0.61	0.75	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator  
Telephone  
Fax  
e-Mail

### Kluba iela (Ceturtais posms) / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 258

Grid: 10 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:	1.17	0.60	0.86	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

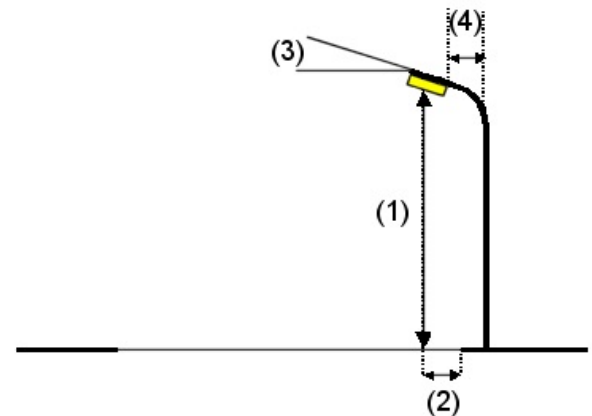
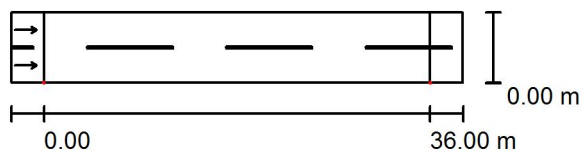
## Jūras iela / Planning data

### Street Profile

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

Maintenance factor: 0.85

### Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W  
 Luminous flux (Luminaire): 8081 lm  
 Luminous flux (Lamps): 9200 lm  
 Luminaire Wattage: 80.0 W  
 Arrangement: Single row, bottom  
 Pole Distance: 36.000 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°: 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.



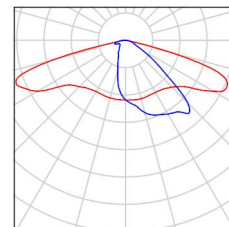
Operator  
Telephone  
Fax  
e-Mail

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## Jūras 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

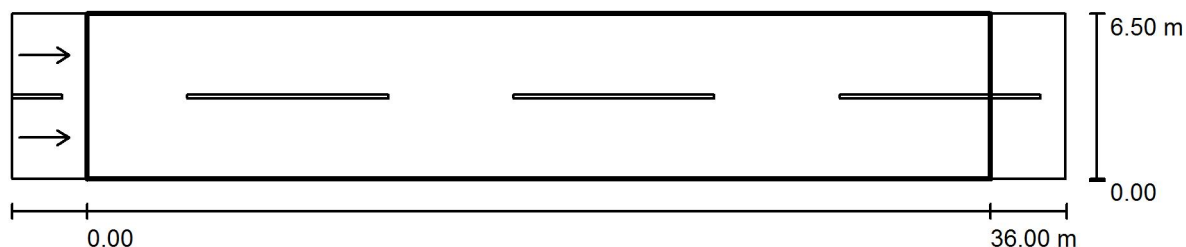
## Jūras iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator  
Telephone  
Fax  
e-Mail

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



Maintenance factor: 0.85

Scale 1:301

Grid: 12 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME4b

(All lighting performance requirements are met.)

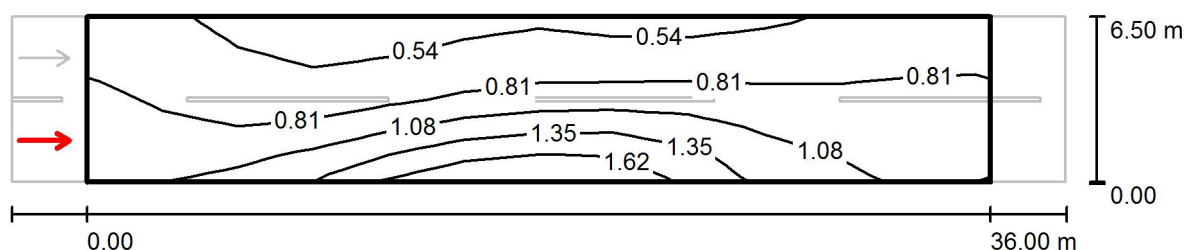
	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]	SR
Calculated values:	0.89	0.49	0.61	14	0.66
Required values according to class:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$	$\geq 0.50$
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

### Assigned Observer (2 Pieces):

No.	Observer	Position [m]	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.625, 1.500)	0.89	0.49	0.61	14
2	Observer 2	(-60.000, 4.875, 1.500)	0.96	0.50	0.74	10

Operator  
Telephone  
Fax  
e-Mail

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



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points

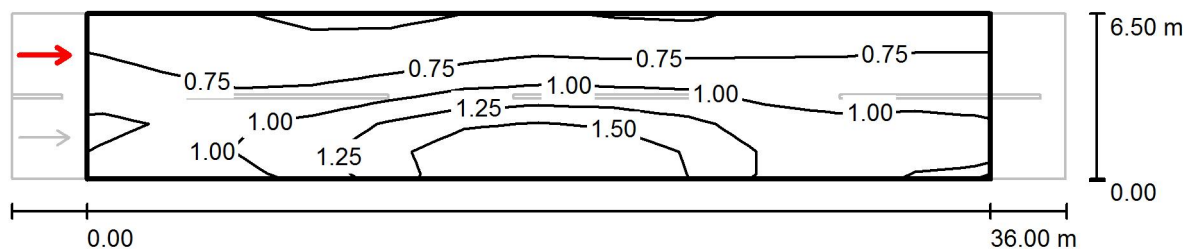
Observer Position: (-60.000 m, 1.625 m, 1.500 m)

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.89	0.49	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

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



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points

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

tarmac: R3, q0: 0.070

	$L_{av}$ [cd/m²]	U0	UI	TI [%]
Calculated values:	0.96	0.50	0.74	10
Required values according to class ME4b:	$\geq 0.75$	$\geq 0.40$	$\geq 0.50$	$\leq 15$
Fulfilled/Not fulfilled:	✓	✓	✓	✓