

Aloja 1 daļa

Rīgas iela
Valmieras iela
Kalēju iela
Ausekļu iela
Lidlauka iela
Brīvības iela
Parka iela
Jaunā iela
Miera iela
Dārza iela

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

Date: 13.04.2015
Operator:

Operator
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e-Mail

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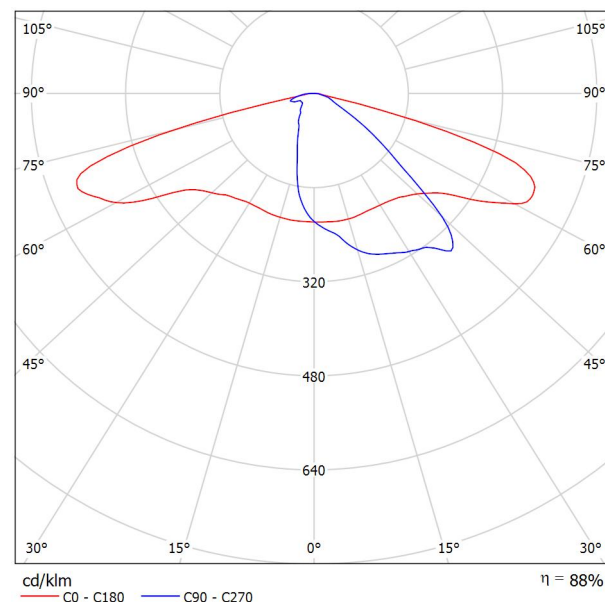
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SIA Elnitor RoadSpark SLIM 80W / Luminaire Data Sheet

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

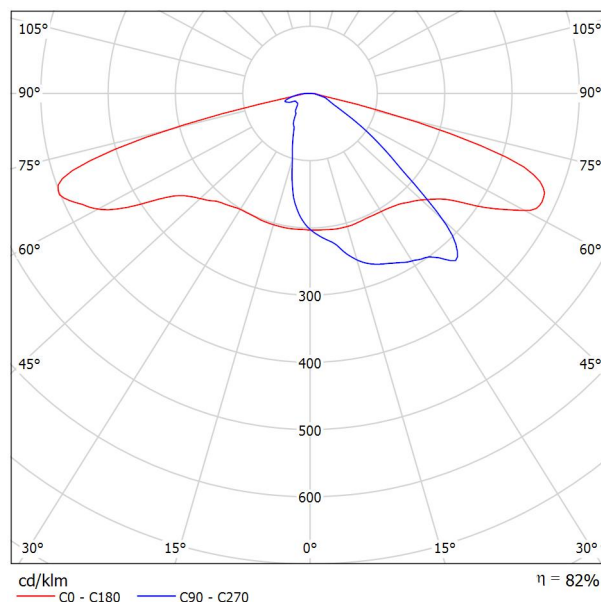
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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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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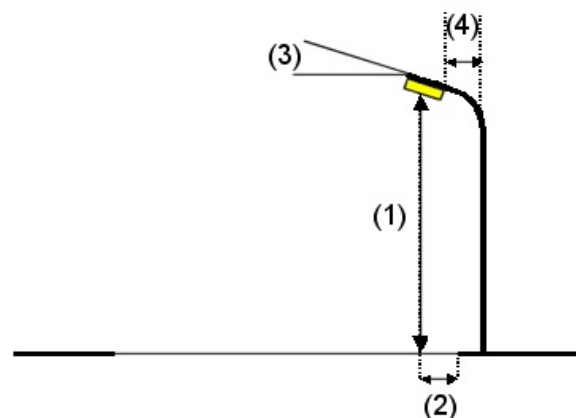
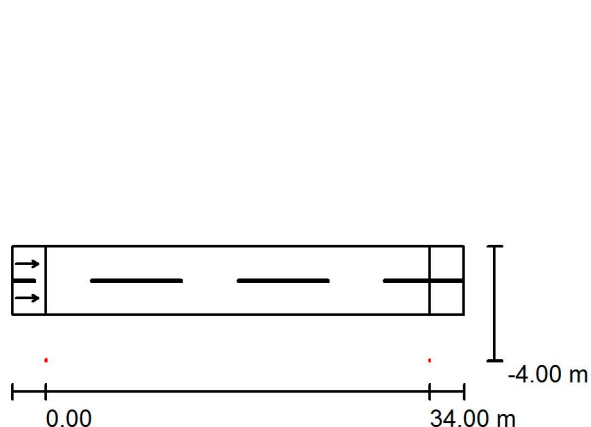
Rīgas iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	SIA Elnitor RoadSpark SLIM 80W	Maximum luminous intensities
Luminous flux (Luminaire):	8081 lm	at 70°: 470 cd/klm
Luminous flux (Lamps):	9200 lm	at 80°: 374 cd/klm
Luminaire Wattage:	80.0 W	at 90°: 57 cd/klm
Arrangement:	Single row, bottom	
Pole Distance:	34.000 m	
Mounting Height (1):	8.000 m	
Height:	8.000 m	
Overhang (2):	-4.000 m	
Boom Angle (3):	15.0 °	
Boom Length (4):	1.500 m	

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

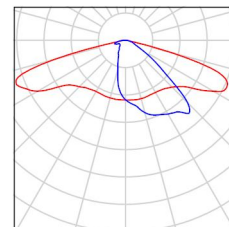
Arrangement complies with glare index class D.2.

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Rīgas iela / Luminaire parts list

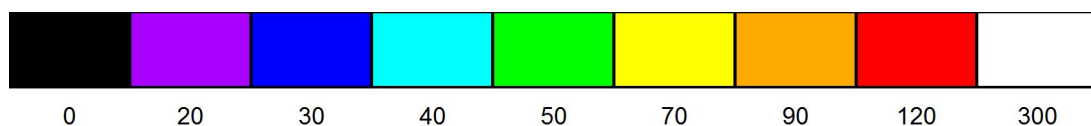
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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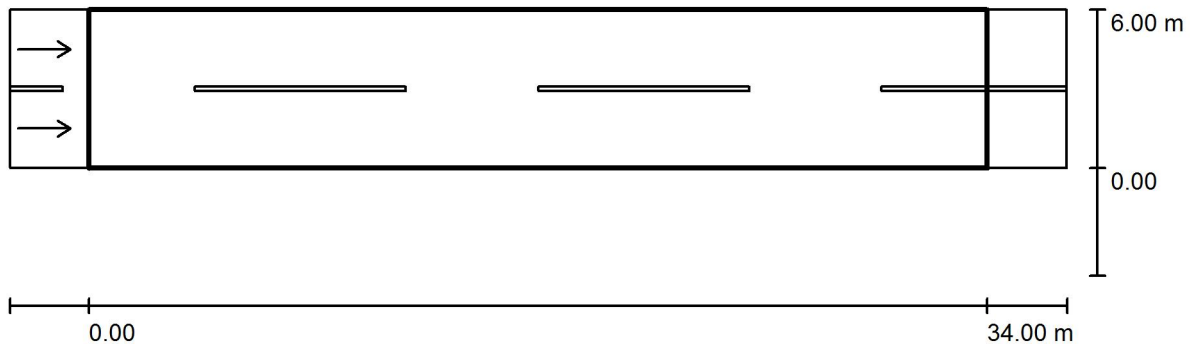
Rīgas iela / False Colour Rendering



lx

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Rīgas iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:286

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.)

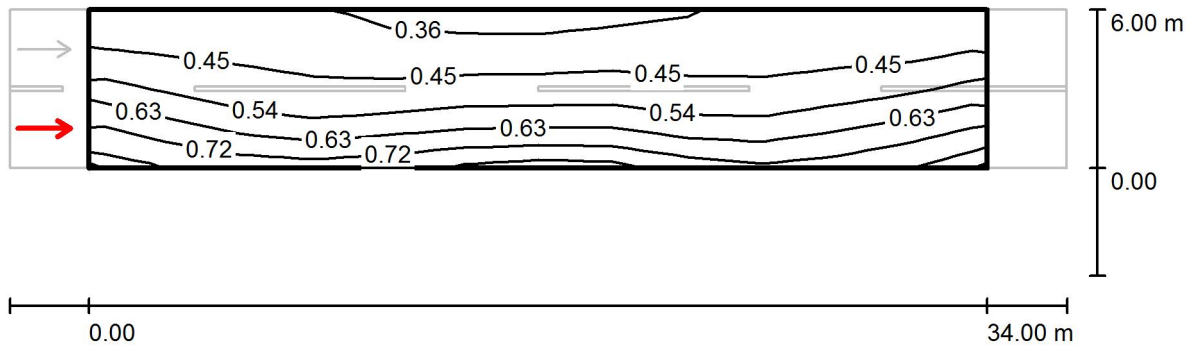
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.52	0.61	0.77	15	0.94
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	0.52	0.63	0.77	15
2	Observer 2	(-60.000, 4.500, 1.500)	0.57	0.61	0.90	9

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Rīgas iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 286

Grid: 12 x 6 Points

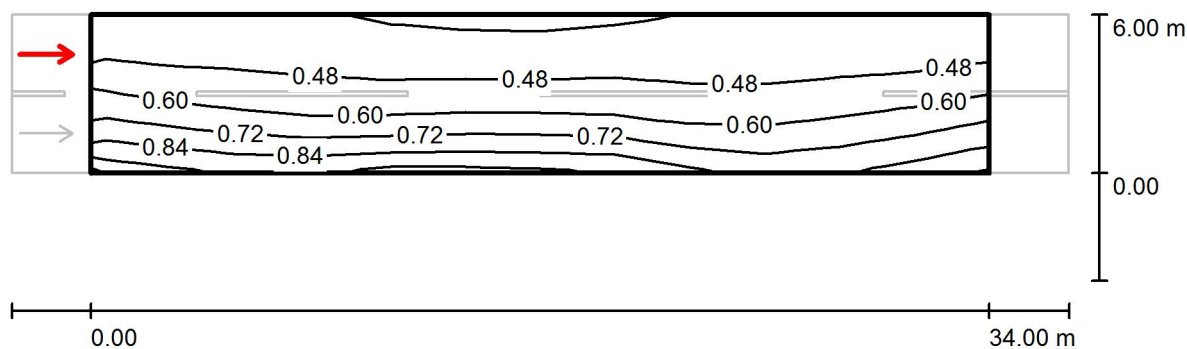
Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.52	0.63	0.77	15
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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



Values in Candela/m², Scale 1 : 286

Grid: 12 x 6 Points

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

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.57	0.61	0.90	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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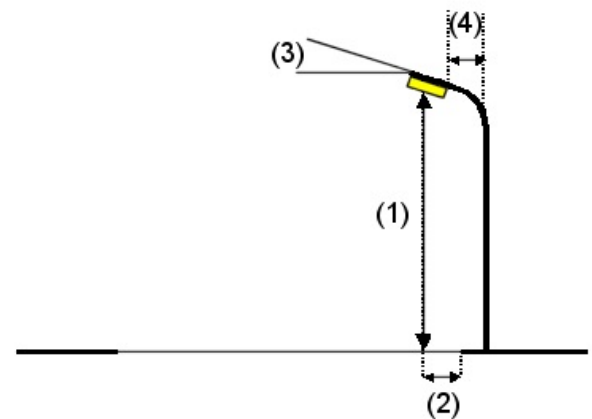
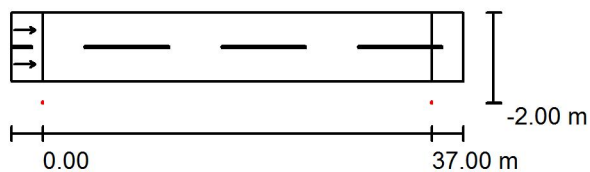
Valmieras iela / Planning data

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:	37.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-2.000 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.

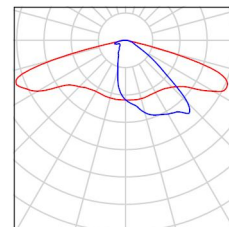
Arrangement complies with glare index class D.4.

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Valmieras 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 0.800).

See our luminaire
catalog for an image of
the luminaire.



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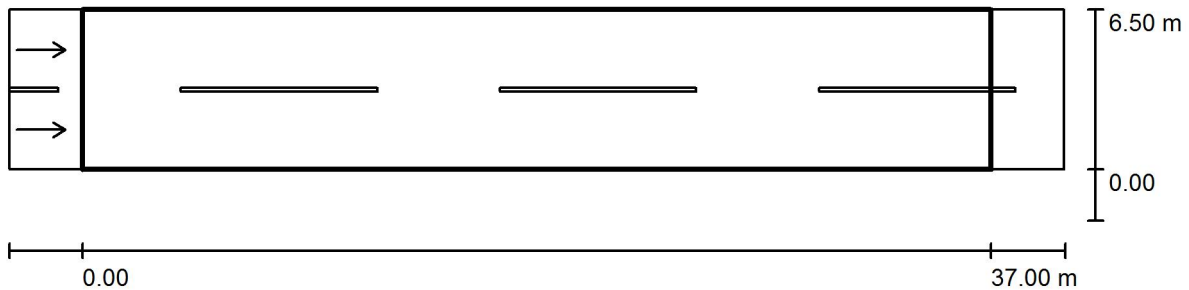
Valmieras iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

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Valmieras iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:308

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.)

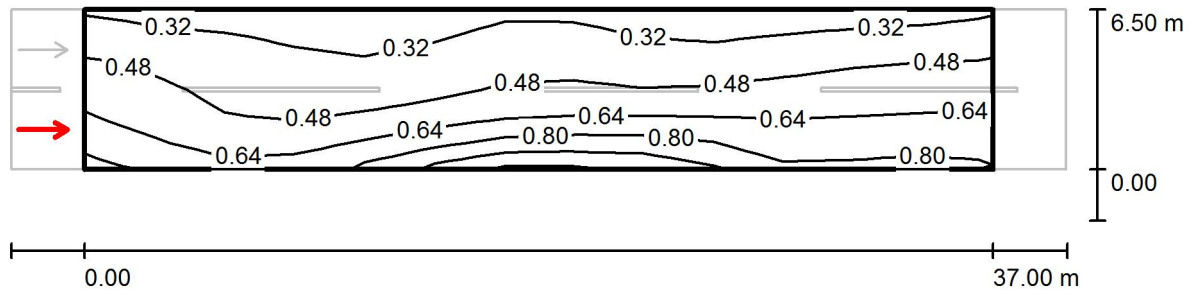
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.52	0.45	0.63	15	0.73
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.625, 1.500)	0.52	0.48	0.63	15
2	Observer 2	(-60.000, 4.875, 1.500)	0.58	0.45	0.72	9

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Valmieras iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 308

Grid: 13 x 6 Points

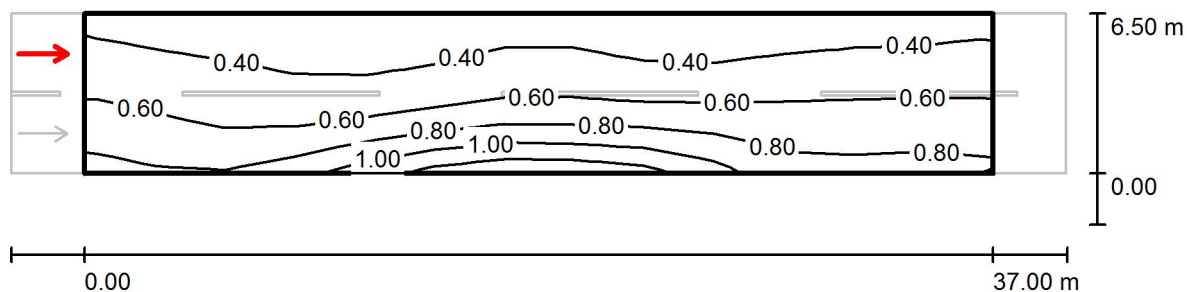
Observer Position: (-60.000 m, 1.625 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.52	0.48	0.63	15
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Valmieras 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, 4.875 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.58	0.45	0.72	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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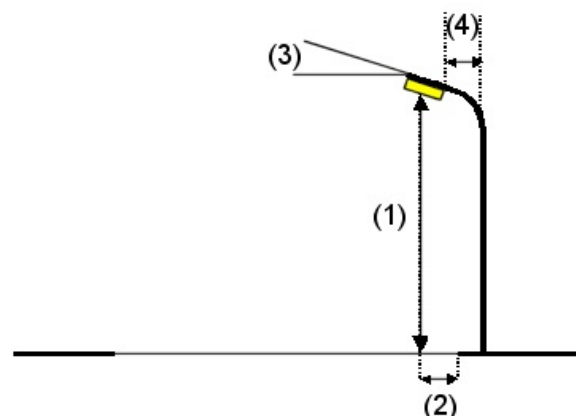
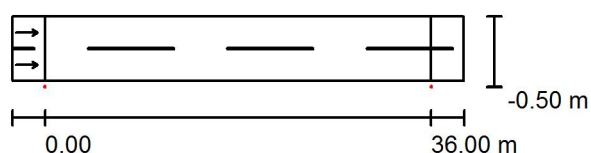
Kalēju iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W

Luminous flux (Luminaire): 8081 lm

Luminous flux (Lamps): 9200 lm

Luminaire Wattage: 80.0 W

Arrangement: Single row, bottom

Pole Distance: 36.000 m

Mounting Height (1): 8.000 m

Height: 8.000 m

Overhang (2): -0.500 m

Boom Angle (3): 0.0 °

Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 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.

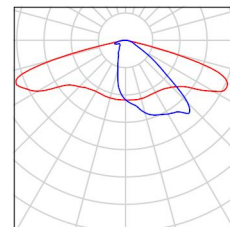
Arrangement complies with glare index class D.4.

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Kalēju iela / Luminaire parts list

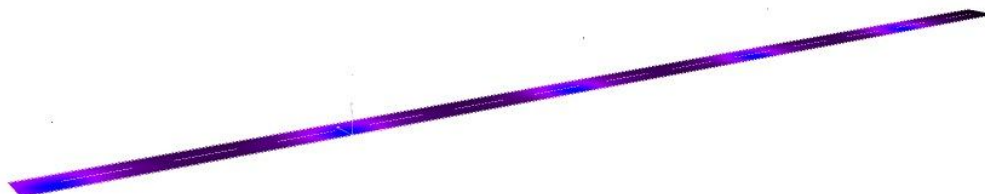
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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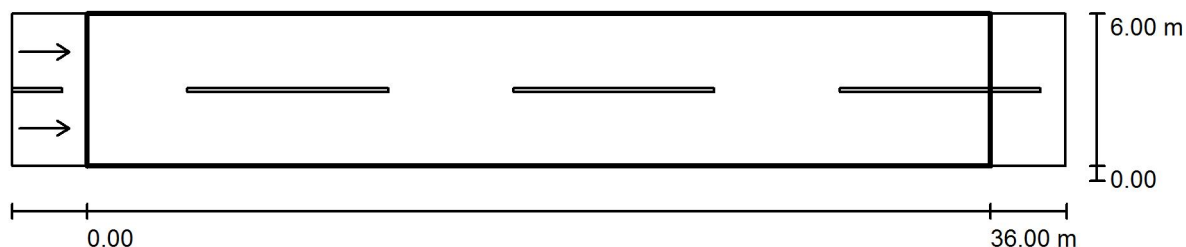
Kalēju iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

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Kalēju 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: ME5

(All lighting performance requirements are met.)

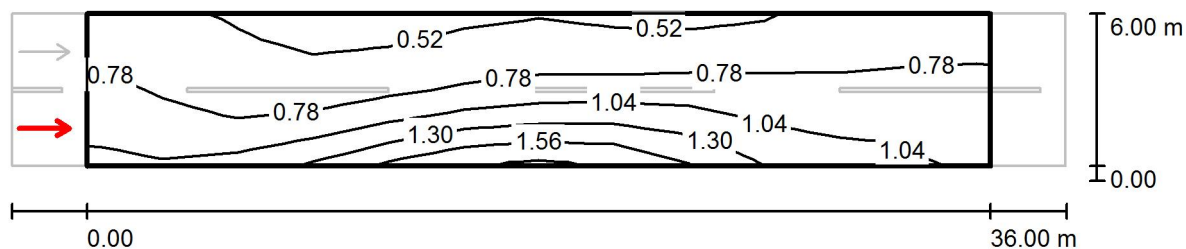
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.87	0.51	0.61	14	0.72
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	0.87	0.51	0.61	14
2	Observer 2	(-60.000, 4.500, 1.500)	0.94	0.51	0.74	10

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Kalēju iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points

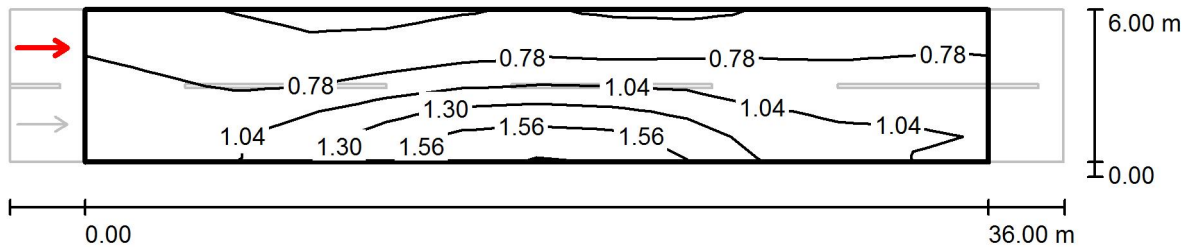
Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.87	0.51	0.61	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Kalēju 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, 4.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.94	0.51	0.74	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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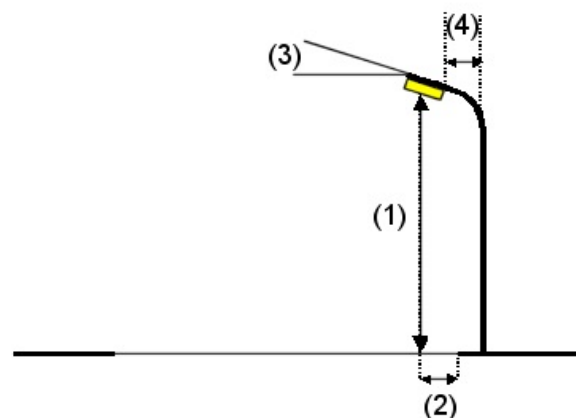
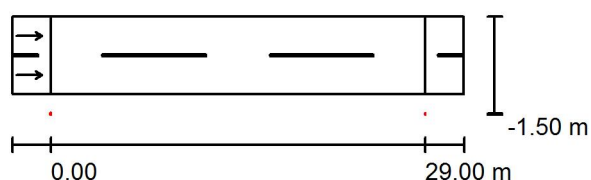
Skolas iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire: SIA Elnitor RoadSpark SLIM 80W

Luminous flux (Luminaire): 8081 lm

Luminous flux (Lamps): 9200 lm

Luminaire Wattage: 80.0 W

Arrangement: Single row, bottom

Pole Distance: 29.000 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.

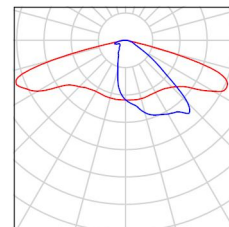
Arrangement complies with glare index class D.4.

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Skolas iela / Luminaire parts list

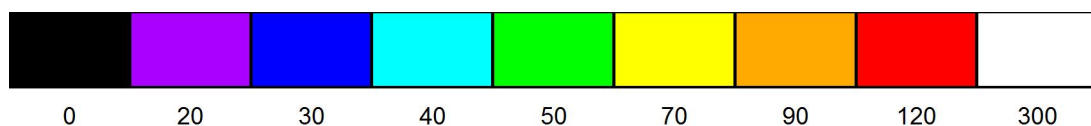
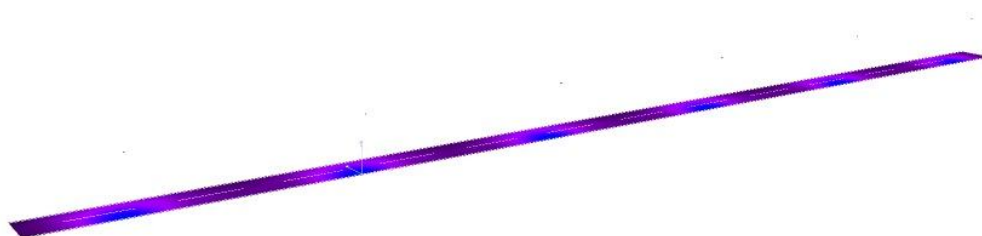
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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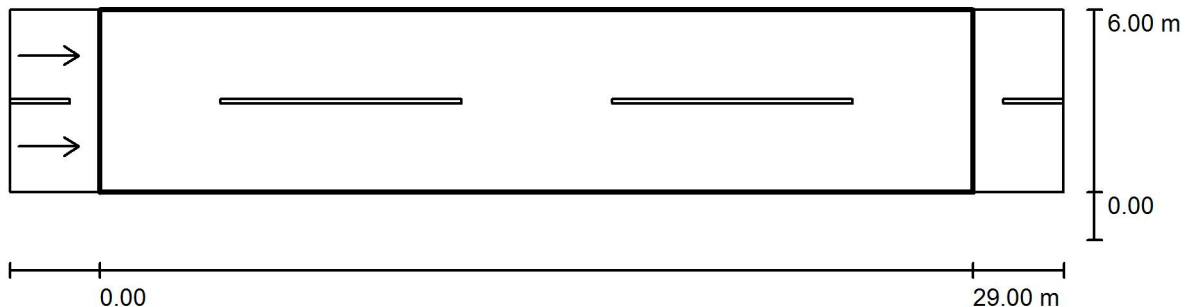
Skolas iela / False Colour Rendering



lx

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Skolas iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:251

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.)

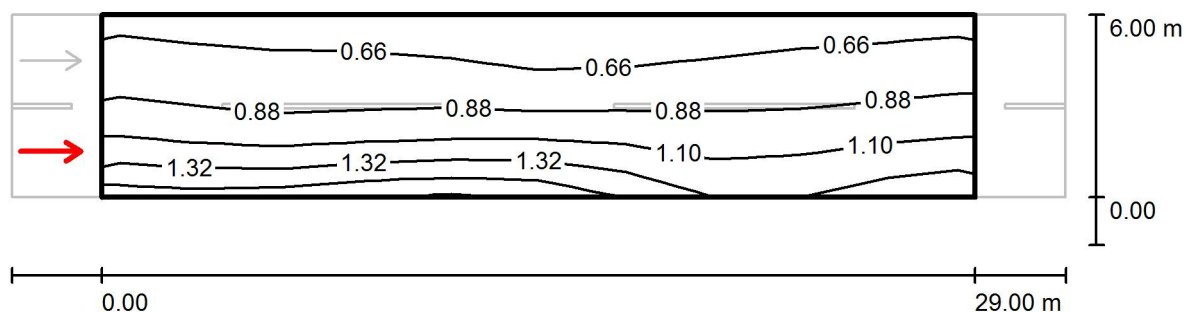
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.93	0.52	0.84	13	0.74
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	0.93	0.55	0.84	13
2	Observer 2	(-60.000, 4.500, 1.500)	1.03	0.52	0.84	8

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 251

Grid: 10 x 6 Points

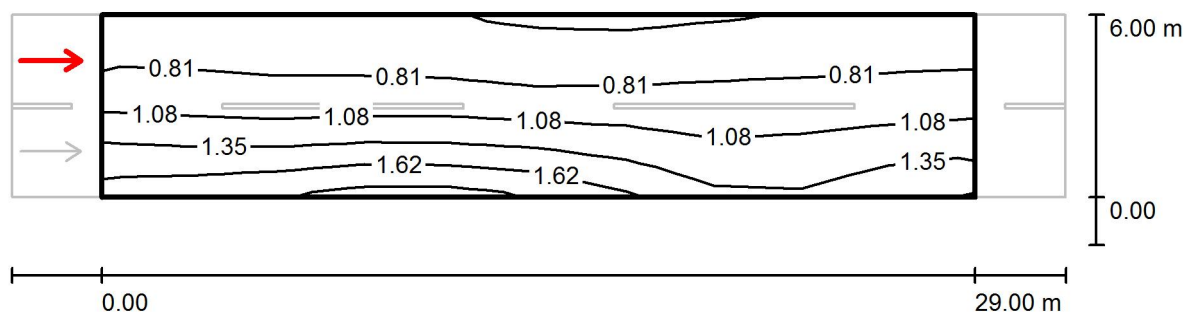
Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.93	0.55	0.84	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Skolas 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, 4.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.03	0.52	0.84	8
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Ausekļa iela (pirmais posms) / Planning data

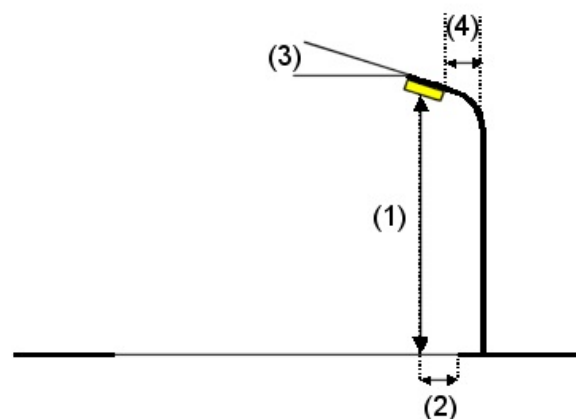
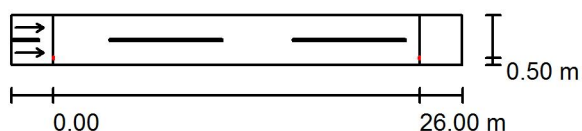
No Brīvības ielas līdz Dārza ielai

Street Profile

Roadway 1 (Width: 3.500 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:	26.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°: 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.

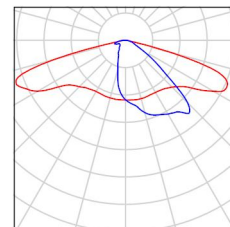
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Auseklā iela (pirmais posms) / Luminaire parts list

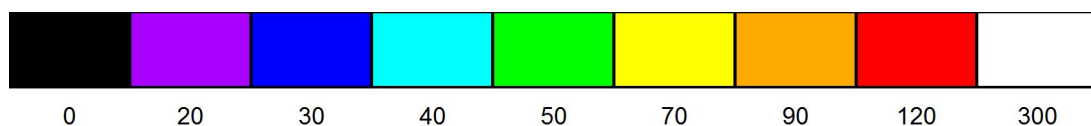
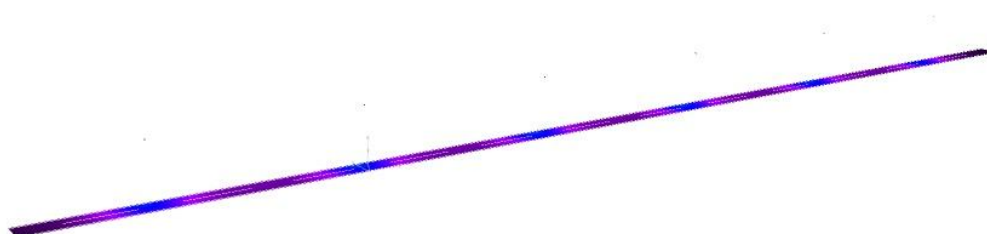
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



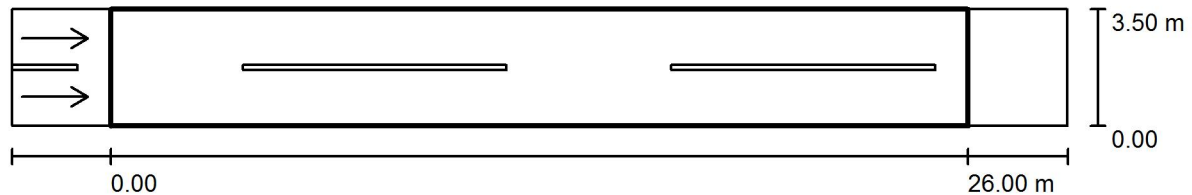
Operator
Telephone
Fax
e-Mail

Ausekļa iela (pirmais posms) / False Colour Rendering



Operator
Telephone
Fax
e-Mail

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



Maintenance factor: 0.85

Scale 1:229

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.)

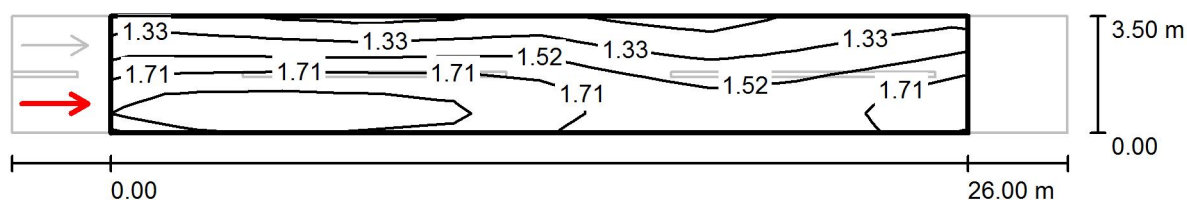
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.57	0.67	0.79	10	0.87
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.875, 1.500)	1.57	0.67	0.79	10
2	Observer 2	(-60.000, 2.625, 1.500)	1.64	0.68	0.80	9

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 229

Grid: 10 x 6 Points

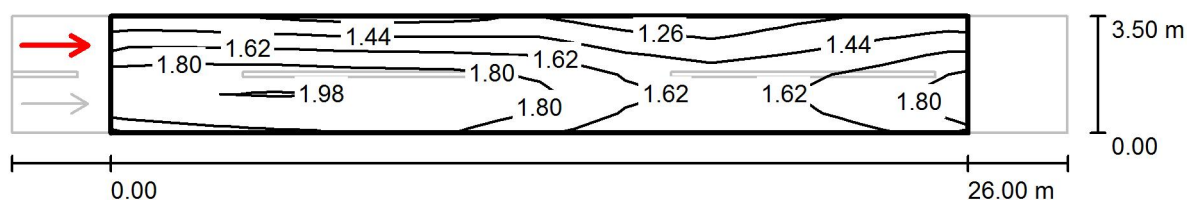
Observer Position: (-60.000 m, 0.875 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.57	0.67	0.79	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 229

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 2.625 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.64	0.68	0.80	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Ausekļa iela (otrais posms) / Planning data

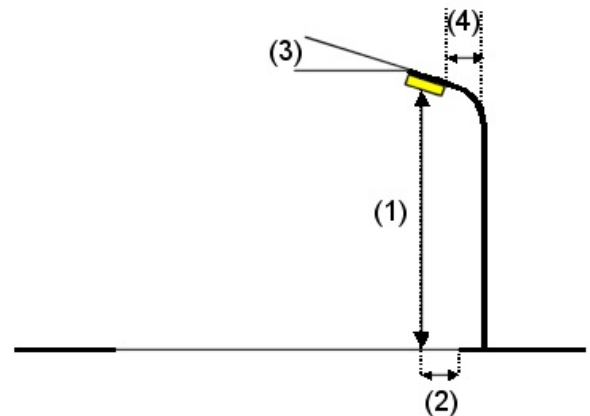
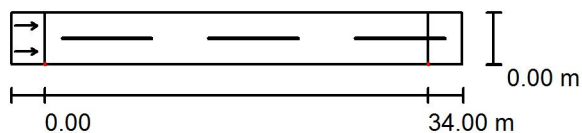
No Jūras ielas līdz Skolas ielai

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:	34.000 m
Mounting Height (1):	8.500 m
Height:	8.500 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.

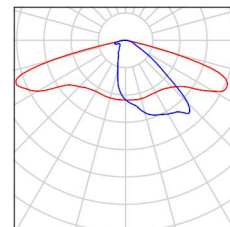
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Ausekļa iela (otrais posms) / Luminaire parts list

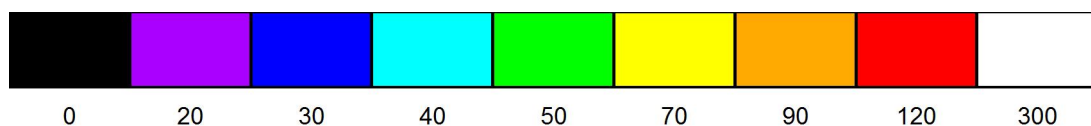
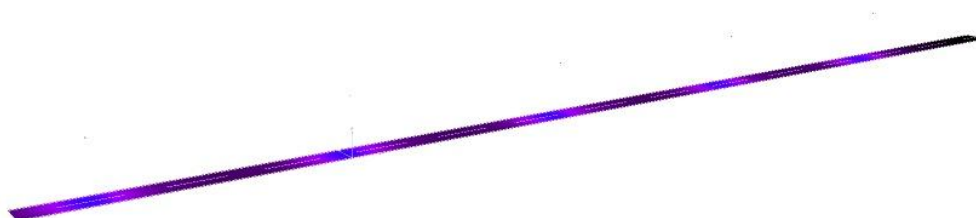
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



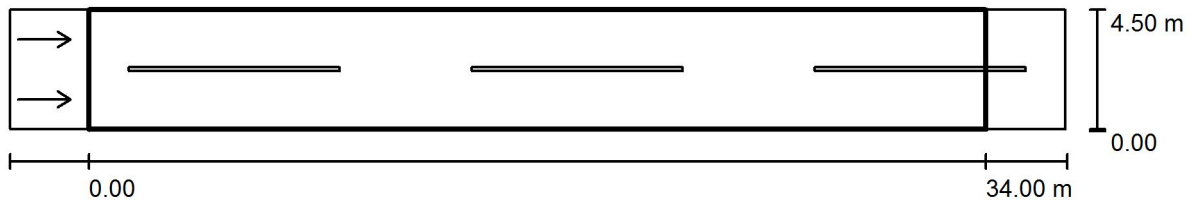
Operator
Telephone
Fax
e-Mail

Ausekļa iela (otrais posms) / False Colour Rendering



Operator
Telephone
Fax
e-Mail

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



Maintenance factor: 0.85

Scale 1:286

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.)

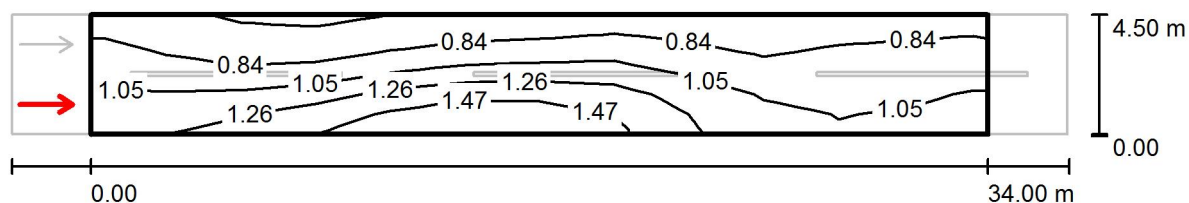
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.03	0.58	0.66	12	0.85
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.125, 1.500)	1.03	0.58	0.66	12
2	Observer 2	(-60.000, 3.375, 1.500)	1.09	0.62	0.77	9

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 286

Grid: 12 x 6 Points

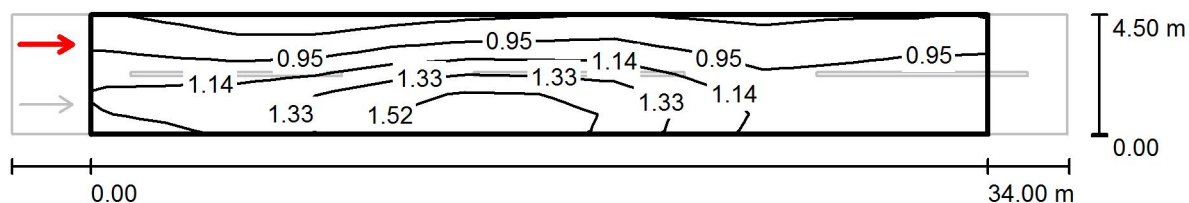
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.03	0.58	0.66	12
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 286

Grid: 12 x 6 Points

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

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.09	0.62	0.77	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

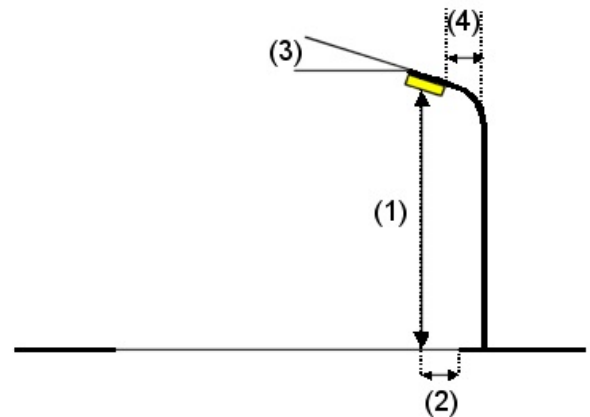
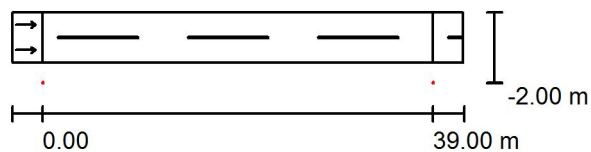
Lidlauka iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	39.000 m
Mounting Height (1):	8.500 m
Height:	8.500 m
Overhang (2):	-2.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	2.000 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.

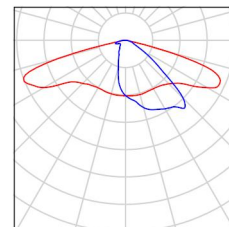
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Lidlauka iela / Luminaire parts list

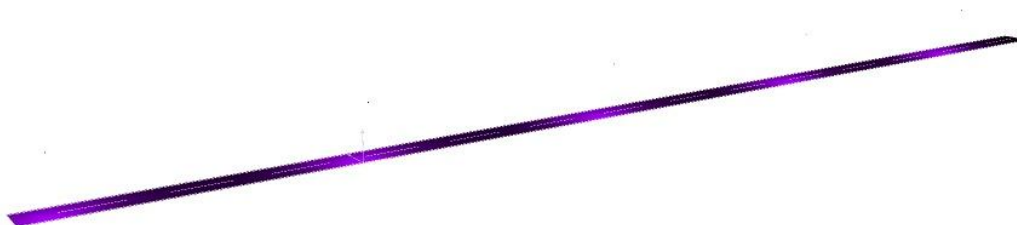
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

Lidlauka iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator
Telephone
Fax
e-Mail

Lidlauka iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:322

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.)

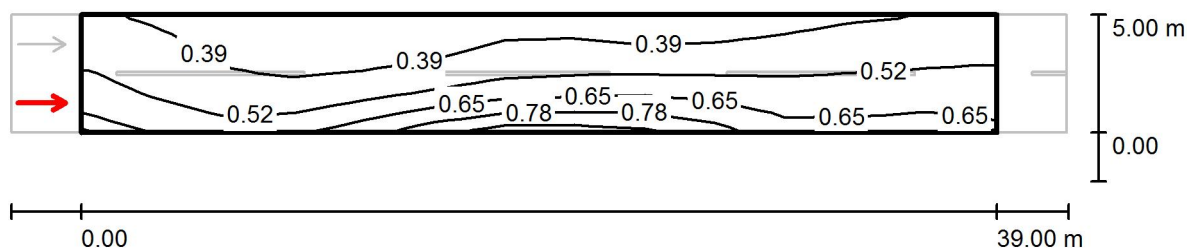
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.50	0.55	0.60	13	0.84
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.50	0.56	0.60	13
2	Observer 2	(-60.000, 3.750, 1.500)	0.55	0.55	0.73	9

Operator
Telephone
Fax
e-Mail

Lidlauka iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 322

Grid: 13 x 6 Points

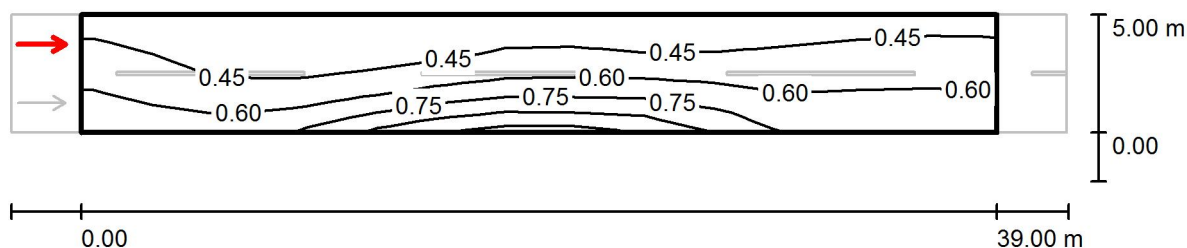
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.50	0.56	0.60	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 322

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 ²]	U0	UI	TI [%]
Calculated values:	0.55	0.55	0.73	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

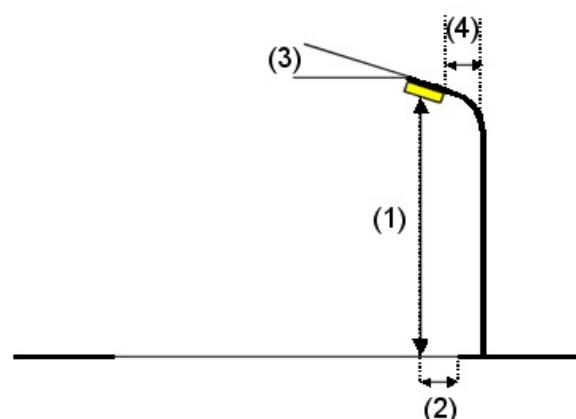
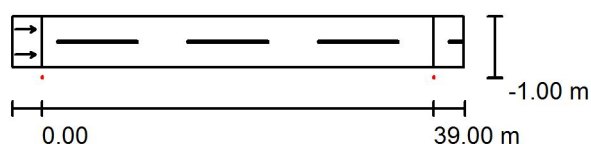
Brīvības iela / Planning data

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: 39.000 m

Mounting Height (1): 8.500 m

Height: 8.500 m

Overhang (2): -1.000 m

Boom Angle (3): 0.0 °

Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 492 cd/klm

at 80°: 103 cd/klm

at 90°: 13 cd/klm

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

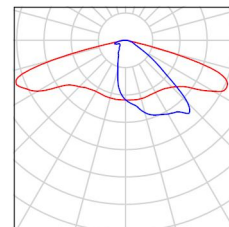
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Brīvības iela / Luminaire parts list

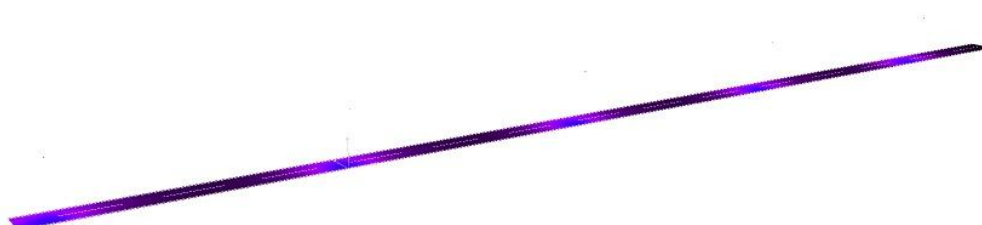
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

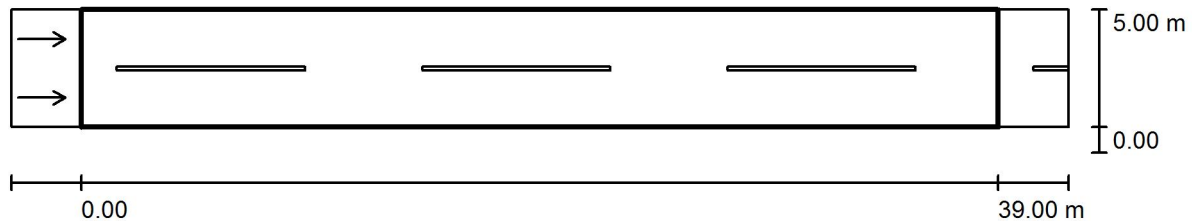
Brīvības iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator
Telephone
Fax
e-Mail

Brīvības iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:322

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.)

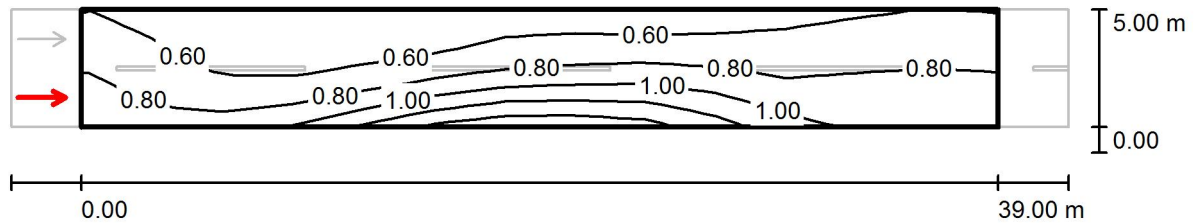
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.77	0.55	0.57	13	0.85
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.77	0.55	0.57	13
2	Observer 2	(-60.000, 3.750, 1.500)	0.83	0.55	0.72	10

Operator
Telephone
Fax
e-Mail

Brīvības iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 322

Grid: 13 x 6 Points

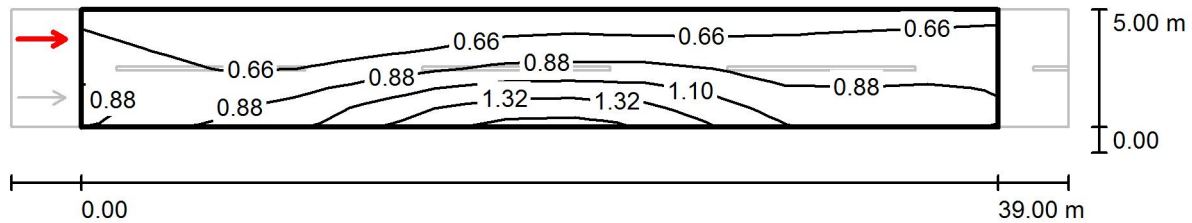
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.77	0.55	0.57	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 322

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 ²]	U0	UI	TI [%]
Calculated values:	0.83	0.55	0.72	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

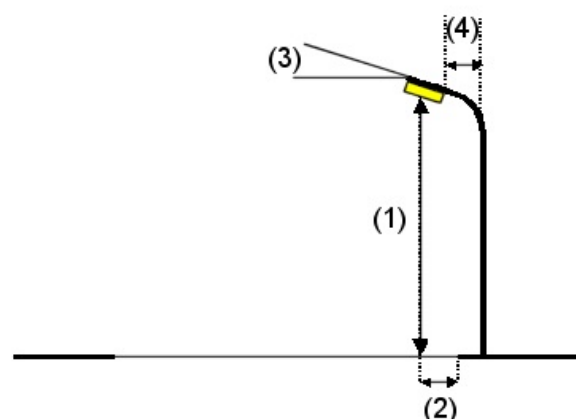
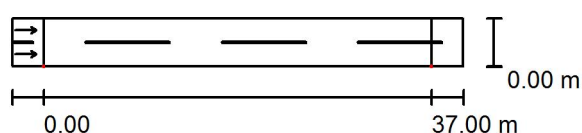
Parka iela / Planning data

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: 37.000 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.

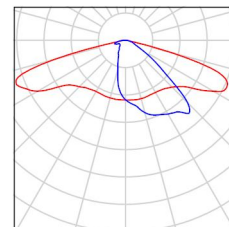
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Parka iela / Luminaire parts list

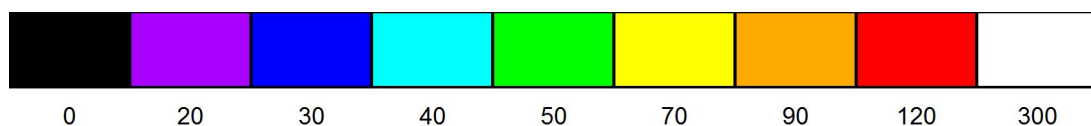
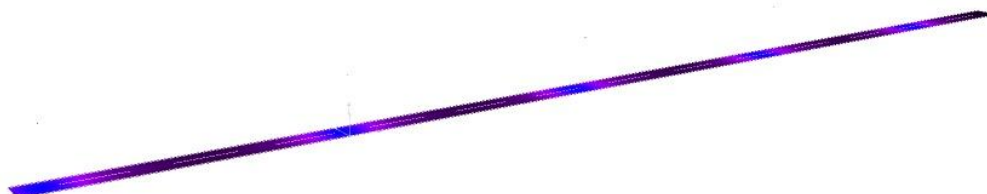
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



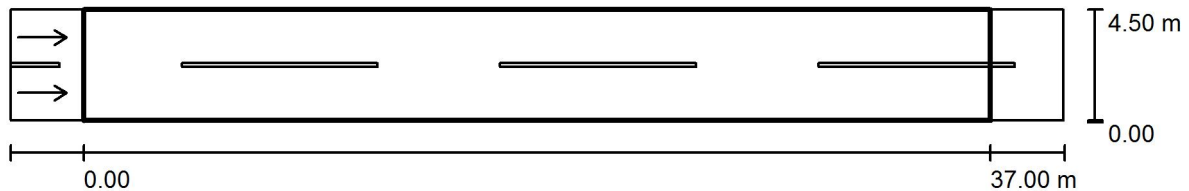
Operator
Telephone
Fax
e-Mail

Parka iela / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Parka iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:308

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.)

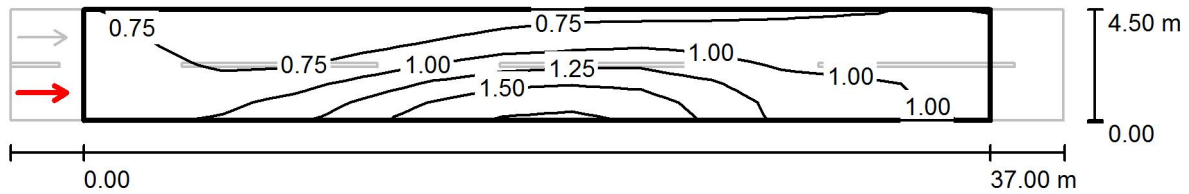
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.99	0.52	0.55	13	0.84
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.125, 1.500)	0.99	0.52	0.55	13
2	Observer 2	(-60.000, 3.375, 1.500)	1.05	0.54	0.61	11

Operator
Telephone
Fax
e-Mail

Parka iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 308

Grid: 13 x 6 Points

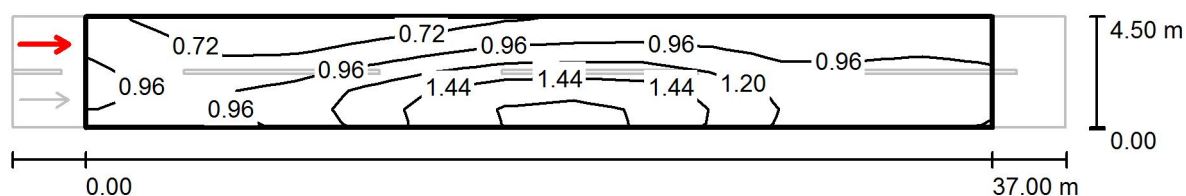
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.99	0.52	0.55	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Parka 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, 3.375 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.05	0.54	0.61	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

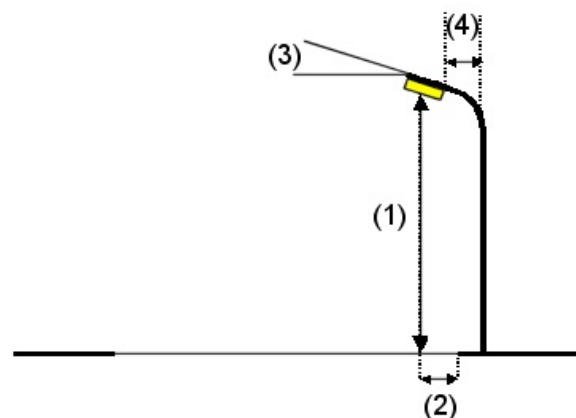
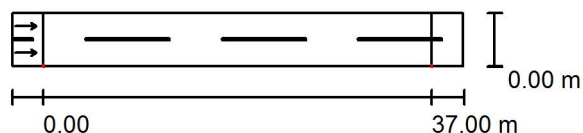
Jaunā iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	37.000 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.

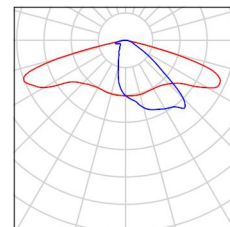
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Jaunā 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

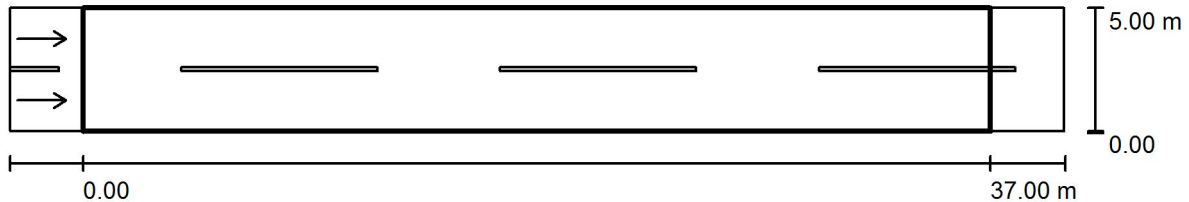
Jaunā iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator
Telephone
Fax
e-Mail

Jaunā iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:308

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.)

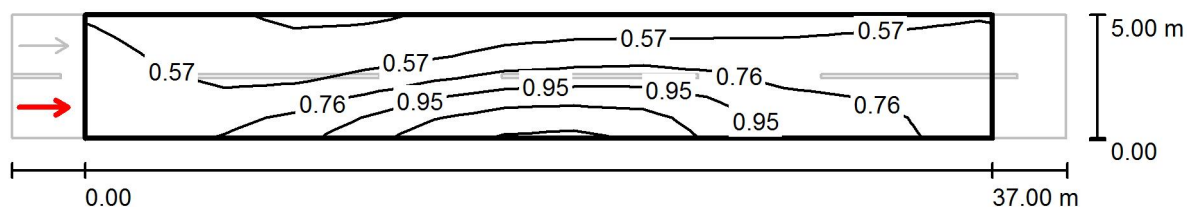
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.72	0.52	0.56	13	0.80
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.72	0.52	0.56	13
2	Observer 2	(-60.000, 3.750, 1.500)	0.76	0.53	0.64	10

Operator
Telephone
Fax
e-Mail

Jaunā iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 308

Grid: 13 x 6 Points

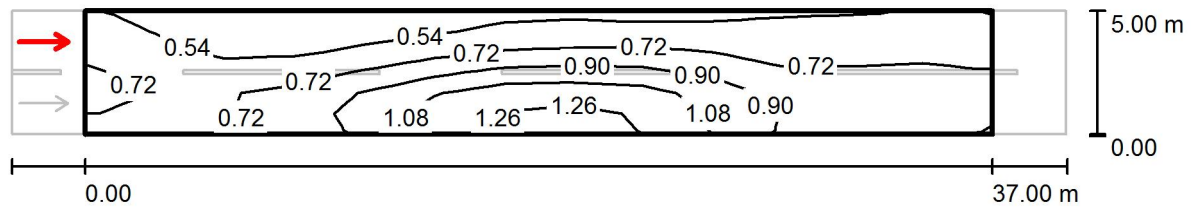
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.72	0.52	0.56	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Jaunā 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, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.76	0.53	0.64	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

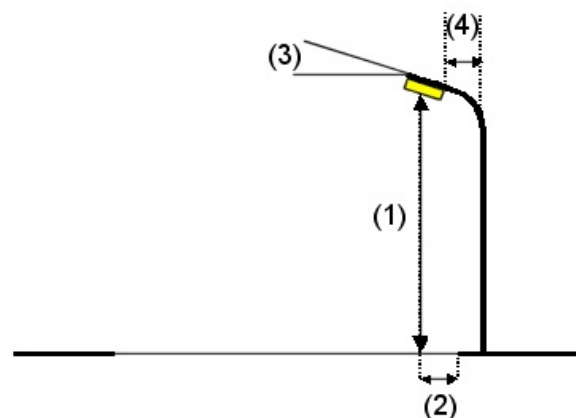
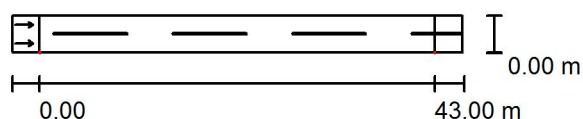
Miera iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	43.000 m
Mounting Height (1):	8.500 m
Height:	8.500 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.

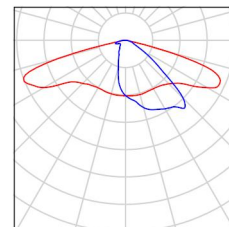
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Miera iela / Luminaire parts list

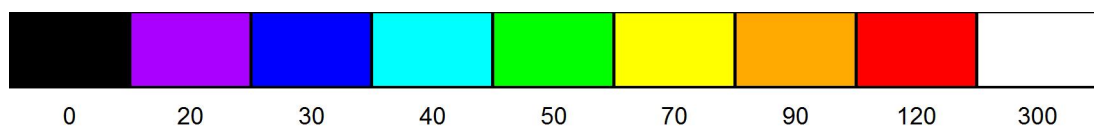
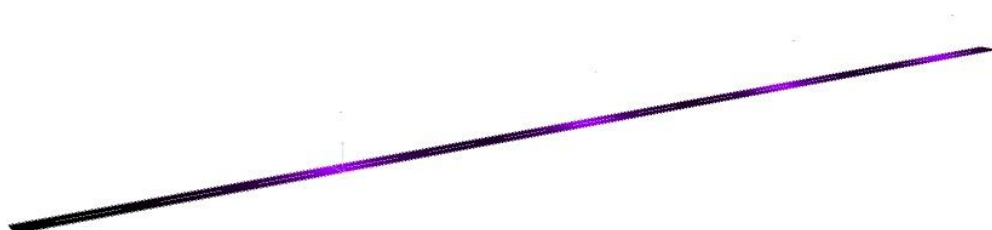
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

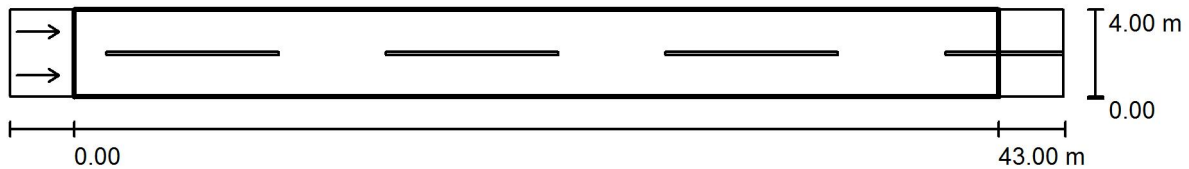
Miera iela / False Colour Rendering



lx

Operator
Telephone
Fax
e-Mail

Miera iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:351

Grid: 15 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

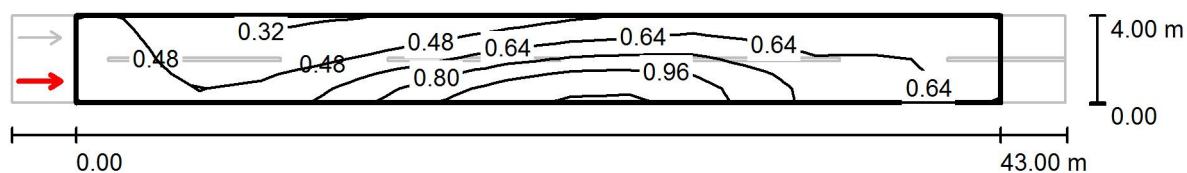
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.63	0.49	0.42	13	0.88
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.000, 1.500)	0.63	0.49	0.42	13
2	Observer 2	(-60.000, 3.000, 1.500)	0.67	0.49	0.48	11

Operator
Telephone
Fax
e-Mail

Miera iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 351

Grid: 15 x 6 Points

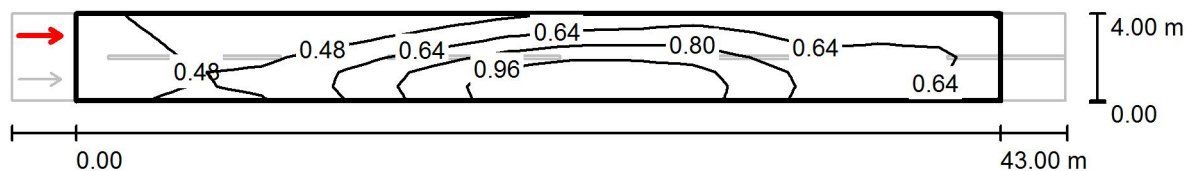
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.63	0.49	0.42	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 351

Grid: 15 x 6 Points

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

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.67	0.49	0.48	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

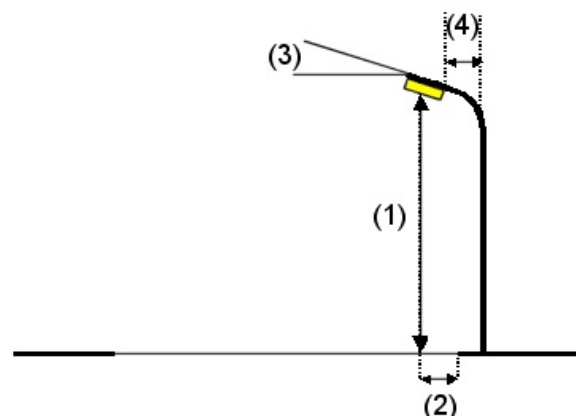
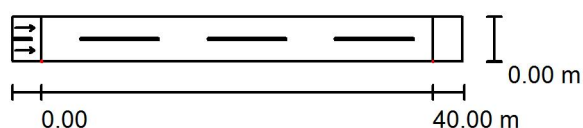
Dārza iela / Planning data

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: 40.000 m
 Mounting Height (1): 8.000 m
 Height: 8.000 m
 Overhang (2): 0.000 m
 Boom Angle (3): 0.0 °
 Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 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.

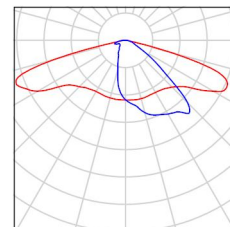
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Dārza iela / Luminaire parts list

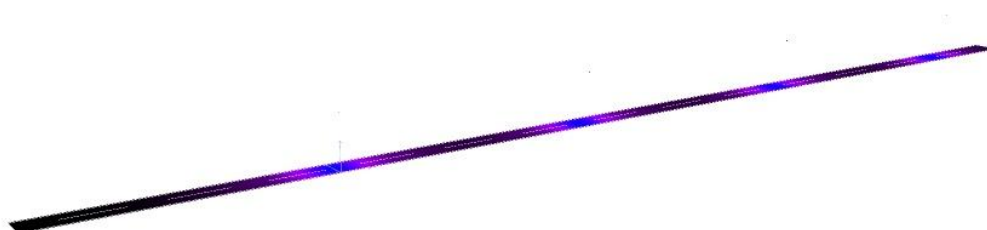
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

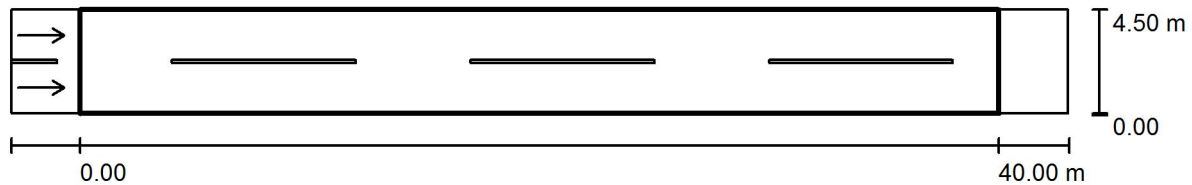
Dārza iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator
Telephone
Fax
e-Mail

Dārza 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.)

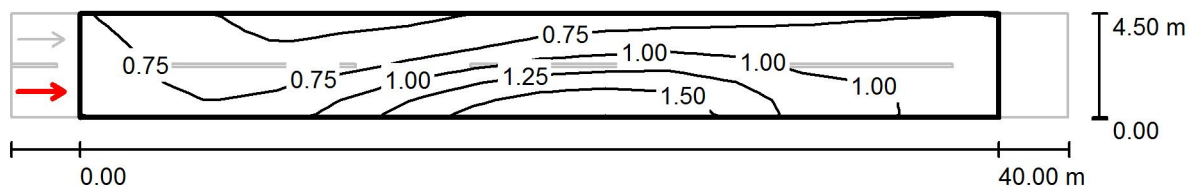
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.91	0.49	0.45	14	0.84
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 1.125, 1.500)	0.91	0.49	0.45	14
2	Observer 2	(-60.000, 3.375, 1.500)	0.97	0.50	0.52	11

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 329

Grid: 14 x 6 Points

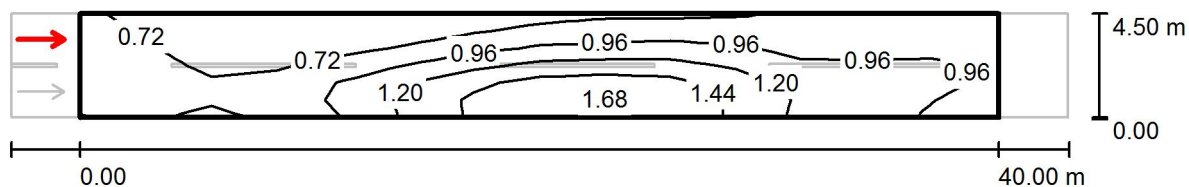
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.91	0.49	0.45	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 329

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 ²]	U0	UI	TI [%]
Calculated values:	0.97	0.50	0.52	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓