

Staicele 1 daļa

Skolas iela
Planču iela
Avotu iela
Dārza iela
Jūras iela
Kluba iela
Ūdens iela
Kalēju iela

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

Date: 13.04.2015
Operator:

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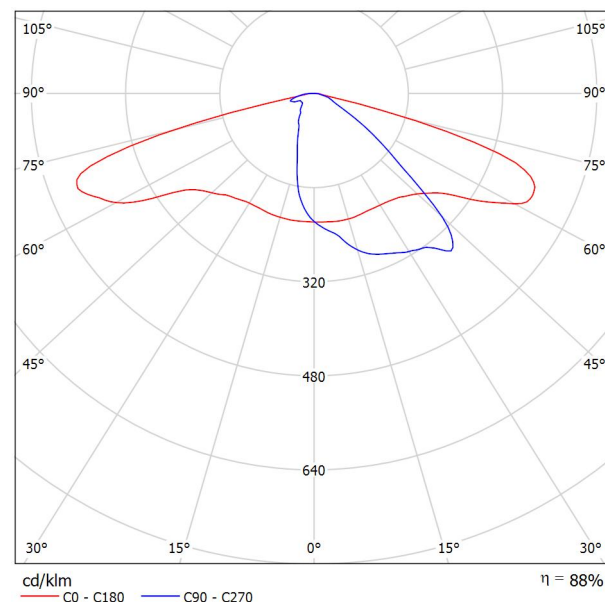
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SIA Elnitor RoadSpark SLIM 80W / Luminaire Data Sheet

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

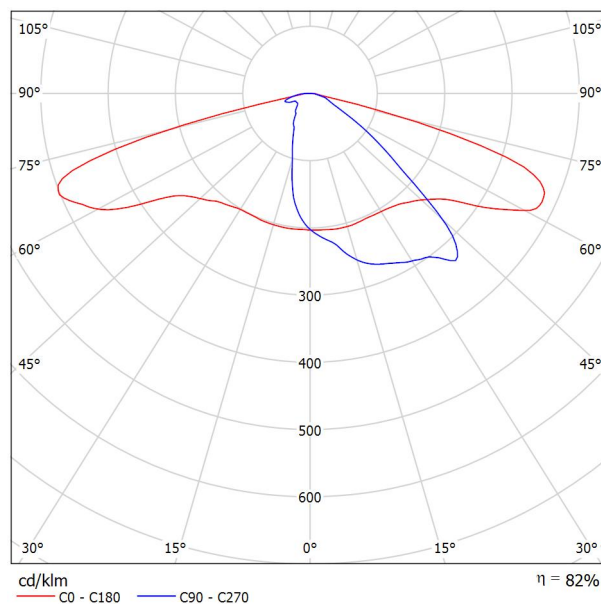
Due to missing symmetry properties, no UGR table
can be displayed for this luminaire.

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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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Skolas iela (pirmais posms) / Planning data

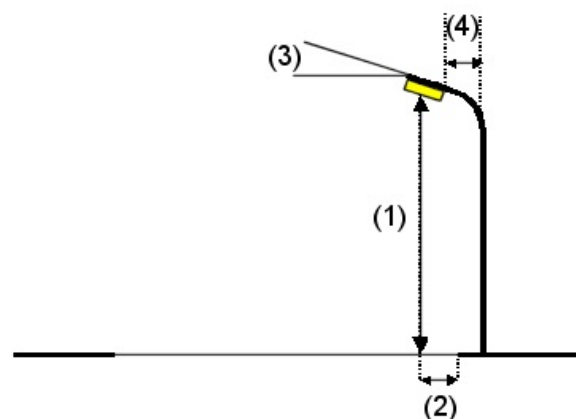
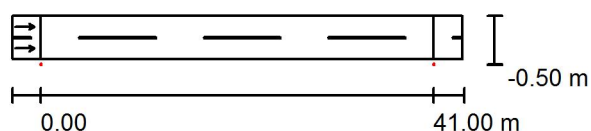
No P15 līdz Planču ielai

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	41.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

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

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

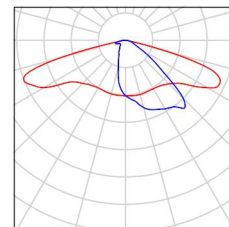
Arrangement complies with glare index class D.4.

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Skolas iela (pirmais posms) / Luminaire parts list

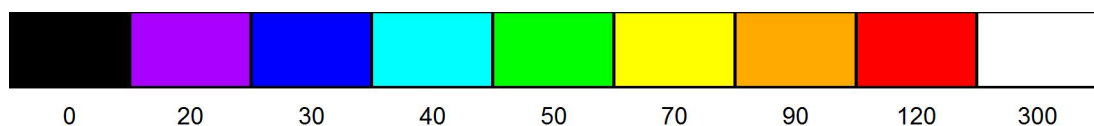
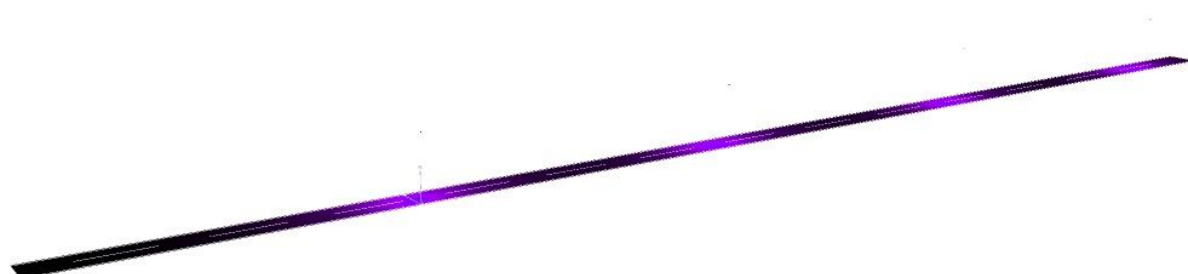
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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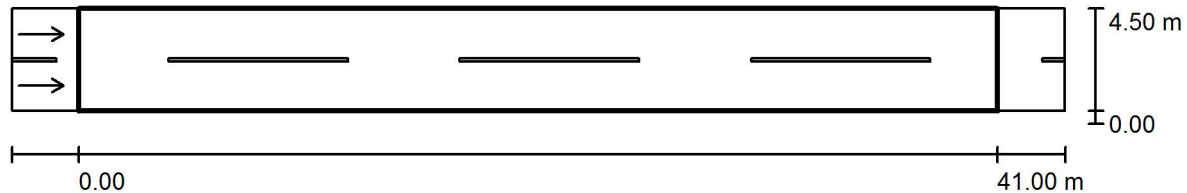
Skolas iela (pirmais posms) / False Colour Rendering



lx

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



Maintenance factor: 0.85

Scale 1:337

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.)

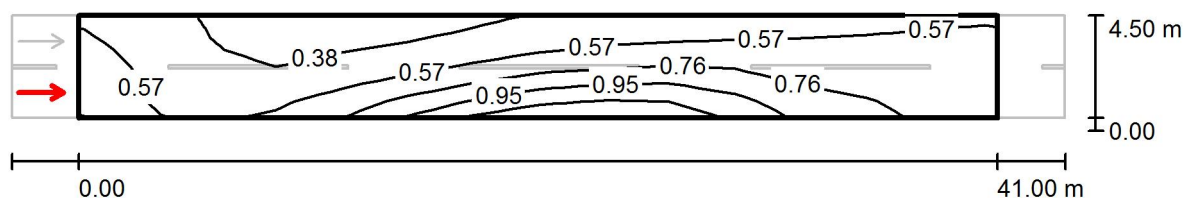
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.63	0.47	0.43	14	0.86
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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)	0.63	0.47	0.43	14
2	Observer 2	(-60.000, 3.375, 1.500)	0.67	0.49	0.55	11

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



Values in Candela/m², Scale 1 : 337

Grid: 14 x 6 Points

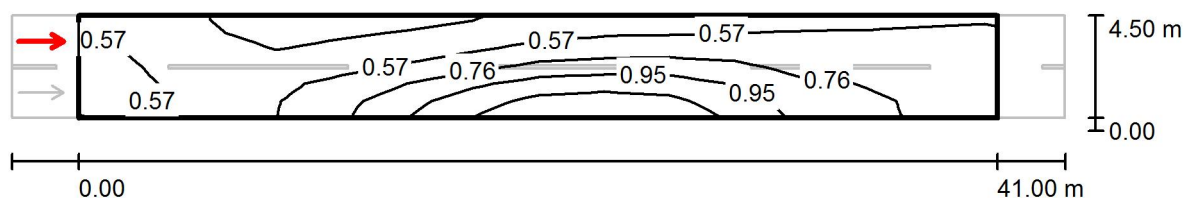
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.63	0.47	0.43	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Skolas iela (pirmais posms) / 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, 3.375 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.67	0.49	0.55	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Skolas iela (otrais posms) / Planning data

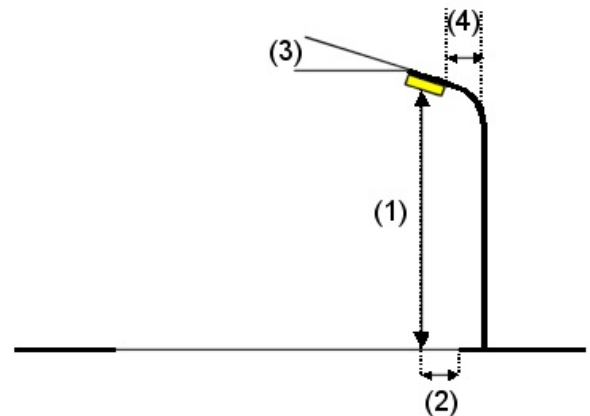
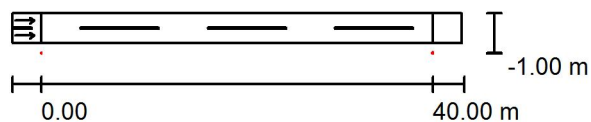
No Planču ielas līdz galam

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	40.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-1.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

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

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

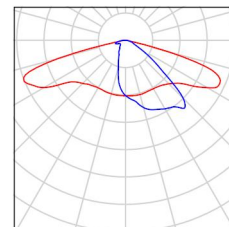
Arrangement complies with glare index class D.4.

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Skolas iela (otrais posms) / Luminaire parts list

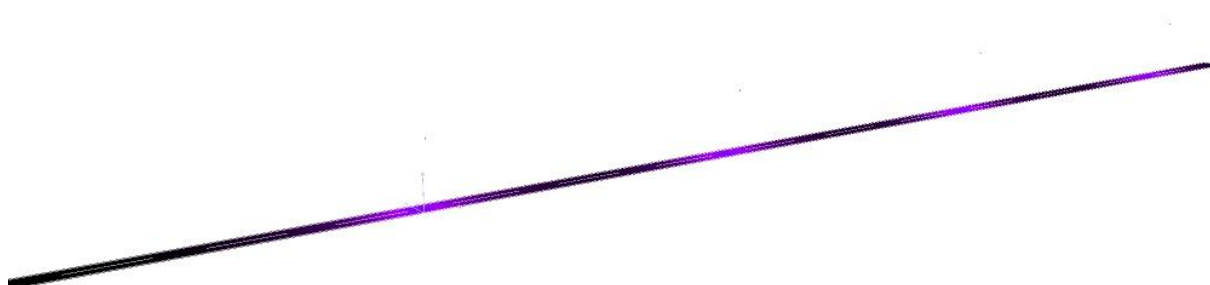
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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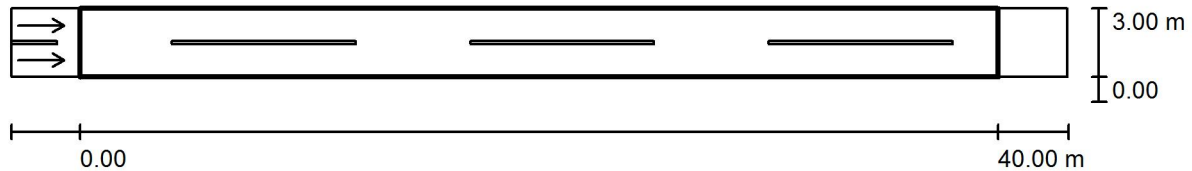
Skolas iela (otrais posms) / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

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



Maintenance factor: 0.85

Scale 1:329

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

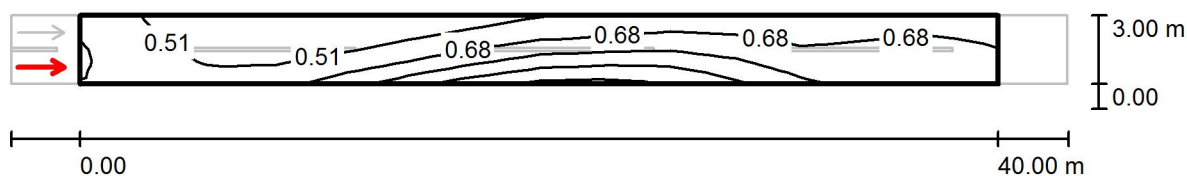
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.67	0.51	0.47	13	0.94
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.67	0.53	0.47	13
2	Observer 2	(-60.000, 2.250, 1.500)	0.71	0.51	0.51	11

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



Values in Candela/m², Scale 1 : 329

Grid: 14 x 6 Points

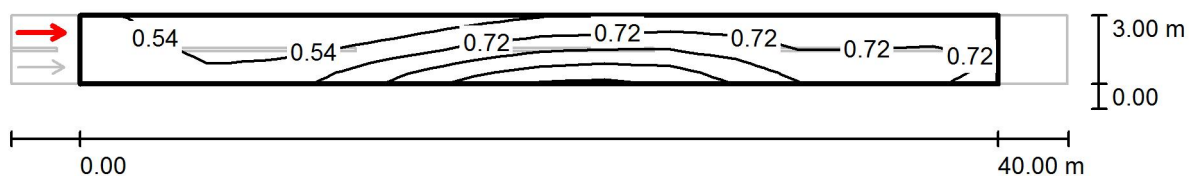
Observer Position: (-60.000 m, 0.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.67	0.53	0.47	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Skolas iela (otrais posms) / 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, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.71	0.51	0.51	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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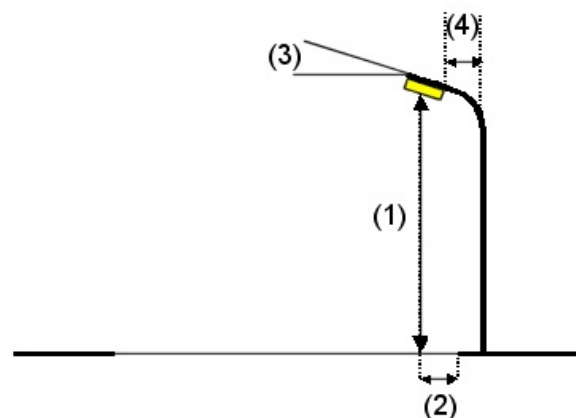
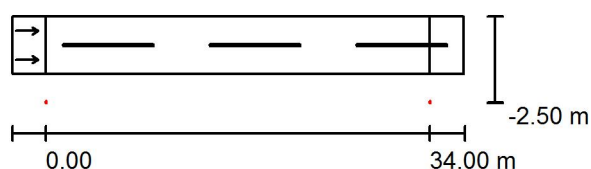
Planču iela / Planning data

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:	34.000 m
Mounting Height (1):	8.500 m
Height:	8.500 m
Overhang (2):	-2.500 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°:	465 cd/klm
at 80°:	175 cd/klm
at 90°:	18 cd/klm

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

No luminous intensities above 95°.

Arrangement complies with luminous intensity class G1.

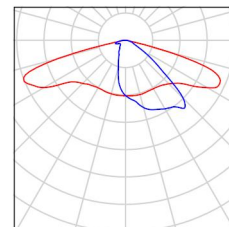
Arrangement complies with glare index class D.4.

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Planču iela / Luminaire parts list

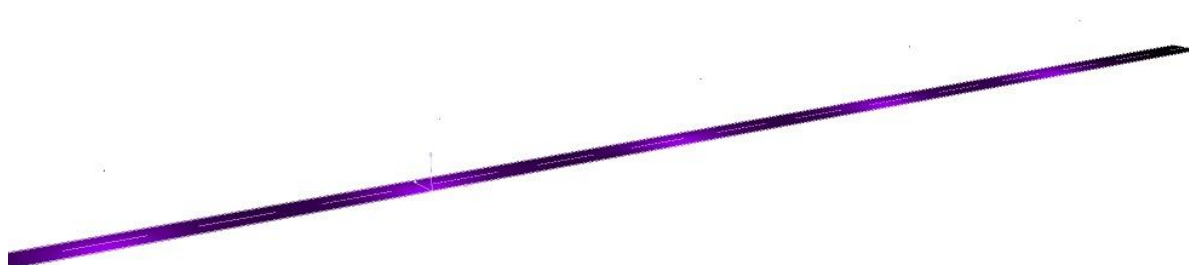
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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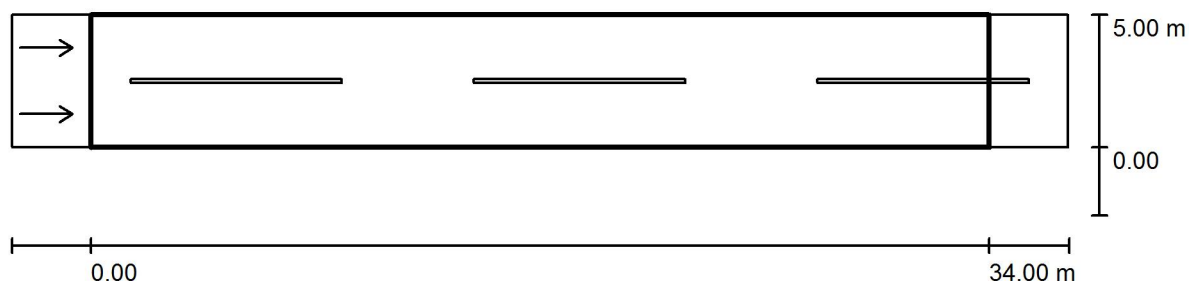
Planču iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

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Planču 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.)

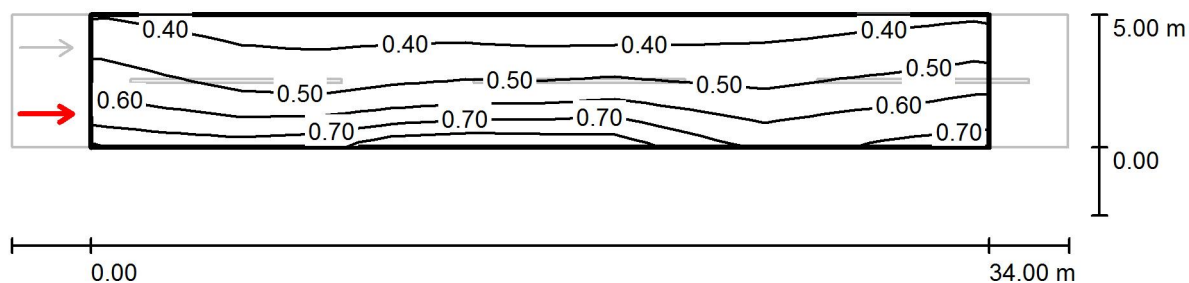
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.52	0.63	0.80	13	0.89
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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)	0.52	0.66	0.80	13
2	Observer 2	(-60.000, 3.750, 1.500)	0.58	0.63	0.87	9

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



Values in Candela/m², Scale 1 : 286

Grid: 12 x 6 Points

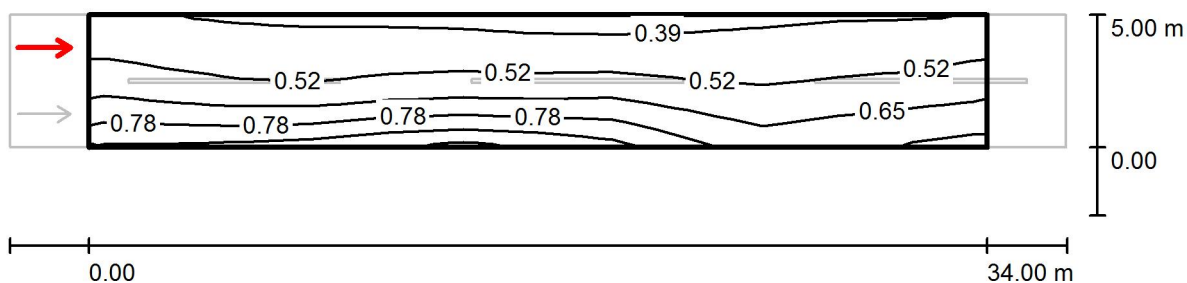
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.52	0.66	0.80	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Planču 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, 3.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.58	0.63	0.87	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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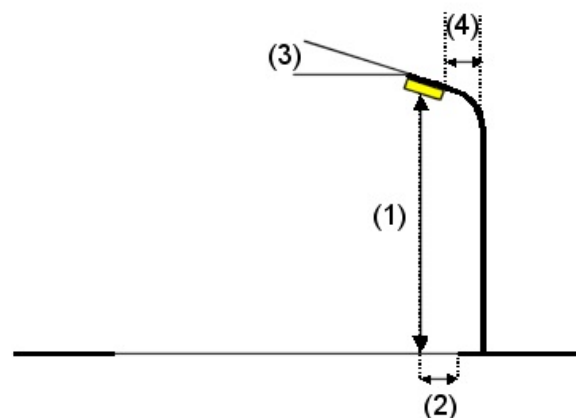
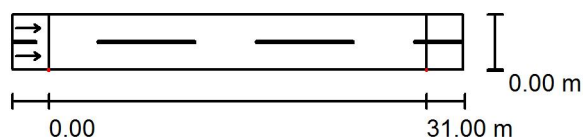
Avotu iela / Planning data

Street Profile

Roadway 1 (Width: 4.500 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:	31.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.000 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

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

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

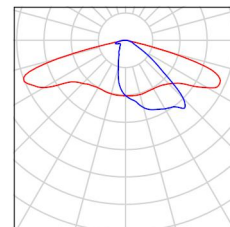
Arrangement complies with glare index class D.4.

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Avotu iela / Luminaire parts list

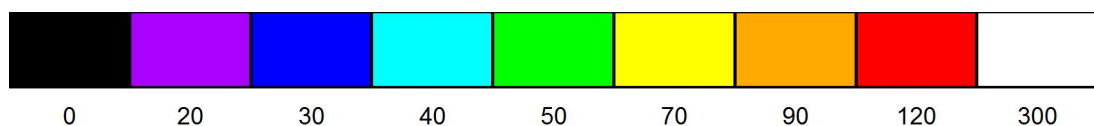
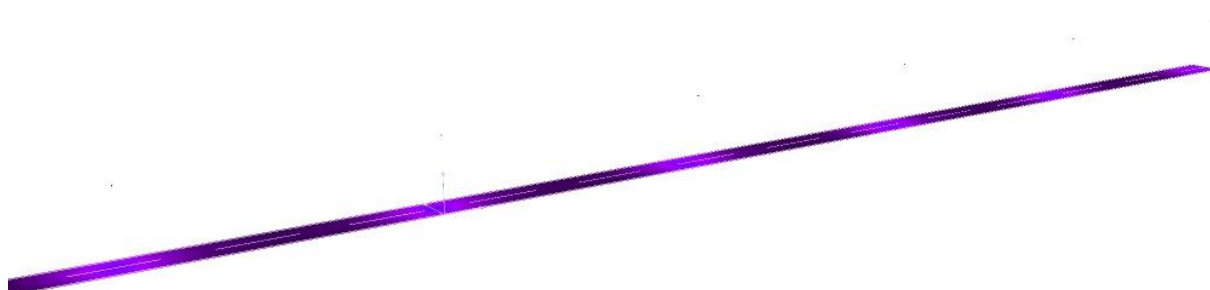
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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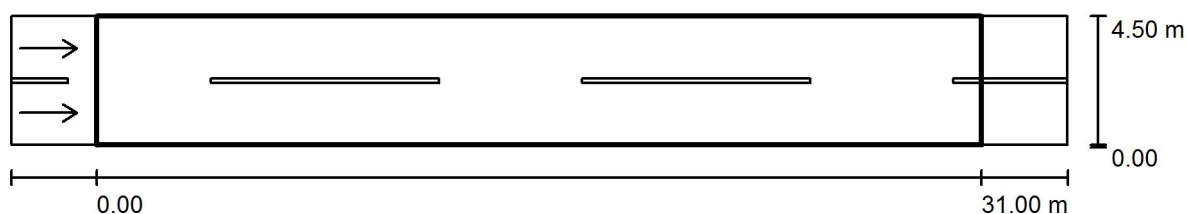
Avotu iela / False Colour Rendering



lx

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Avotu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:265

Grid: 11 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

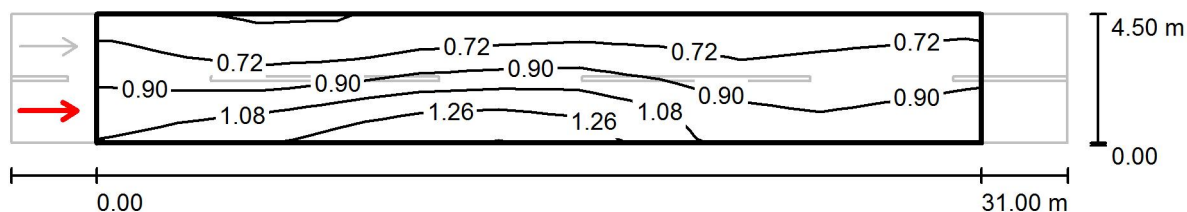
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.88	0.59	0.69	11	0.84
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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)	0.88	0.59	0.69	11
2	Observer 2	(-60.000, 3.375, 1.500)	0.94	0.62	0.83	9

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 265

Grid: 11 x 6 Points

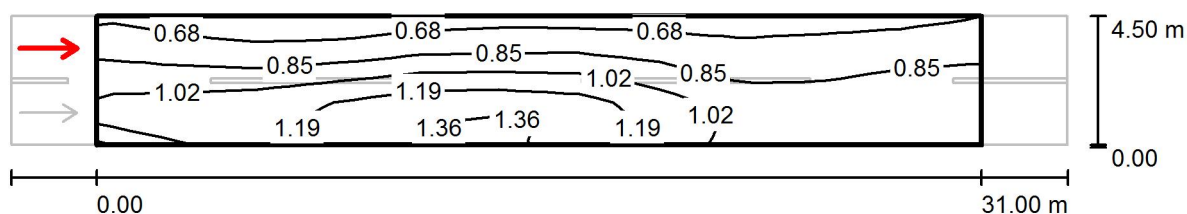
Observer Position: (-60.000 m, 1.125 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.88	0.59	0.69	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 265

Grid: 11 x 6 Points

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

tarmac: R3, q0: 0.070

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

Operator
Telephone
Fax
e-Mail

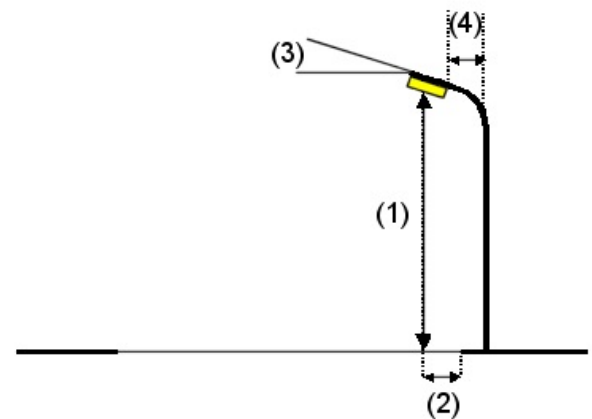
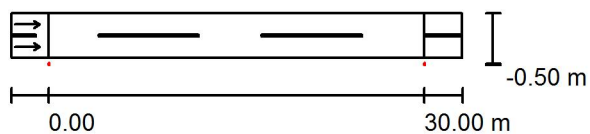
Dārza iela / Planning data

Street Profile

Roadway 1 (Width: 3.500 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:	30.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

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

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G3.

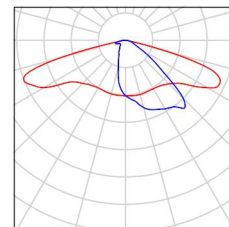
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Dārza iela / Luminaire parts list

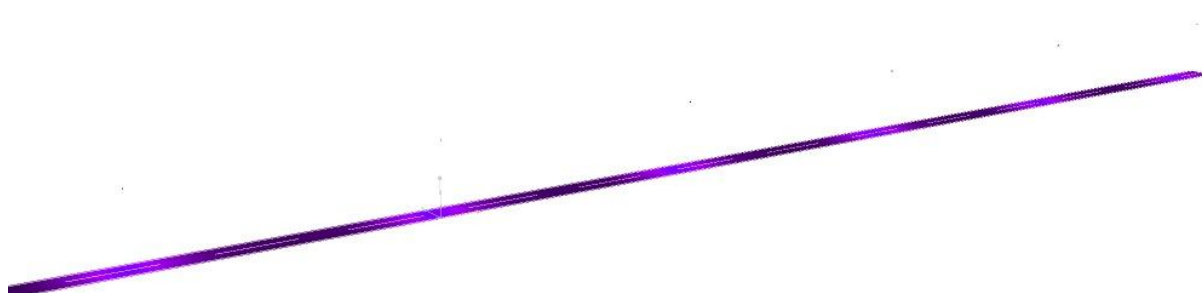
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

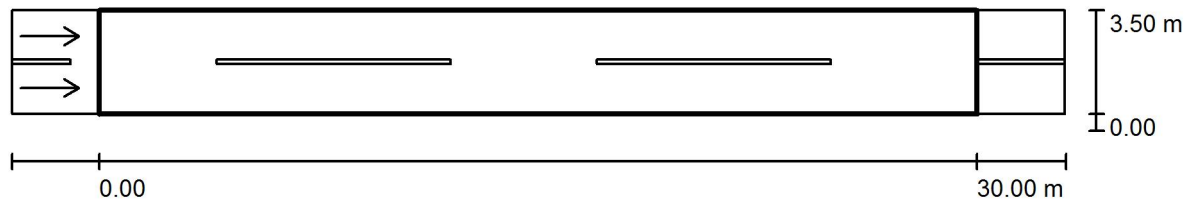
Dārza iela / False Colour Rendering



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 1:258

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.)

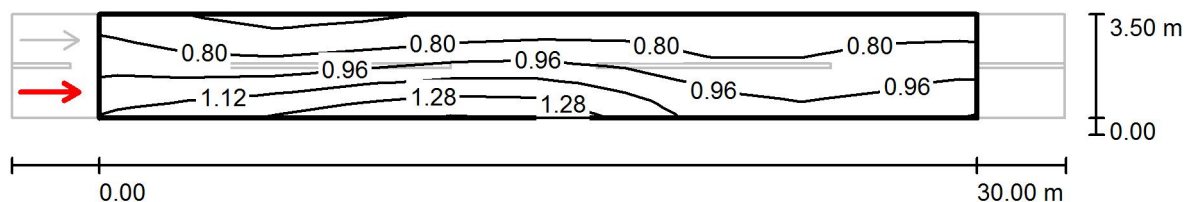
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.92	0.65	0.74	11	0.91
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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)	0.92	0.65	0.74	11
2	Observer 2	(-60.000, 2.625, 1.500)	0.98	0.68	0.83	9

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points

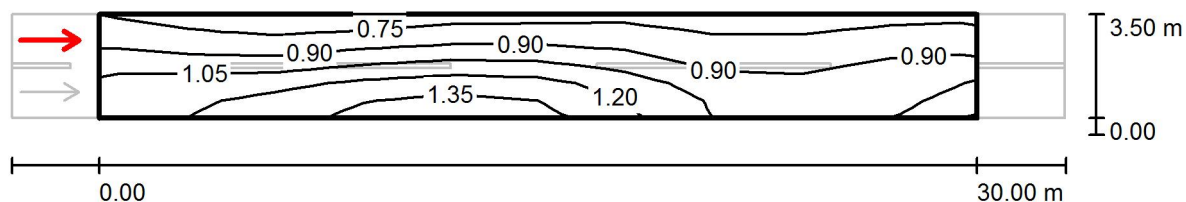
Observer Position: (-60.000 m, 0.875 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.92	0.65	0.74	11
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 : 258

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:	0.98	0.68	0.83	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

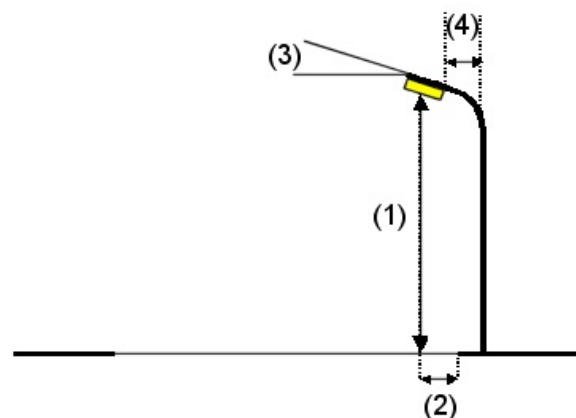
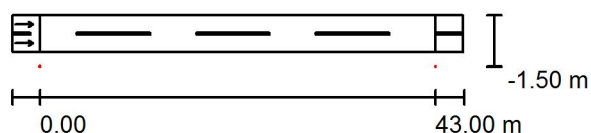
Jūras iela / Planning data

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):	8.000 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°:	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.

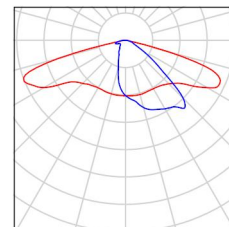
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Jūras iela / Luminaire parts list

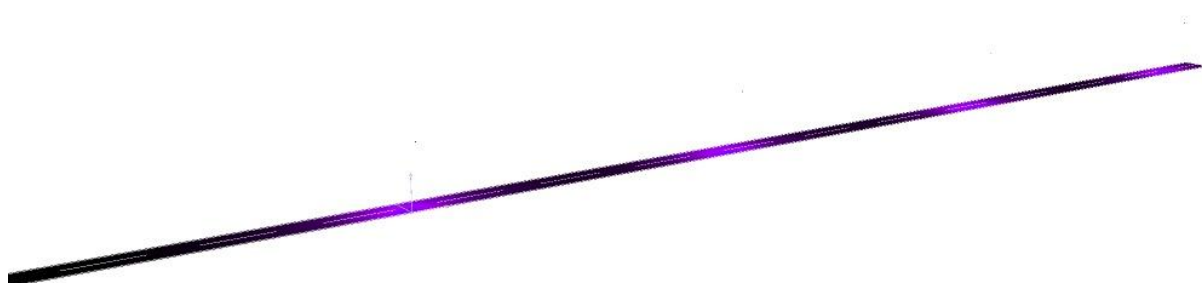
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

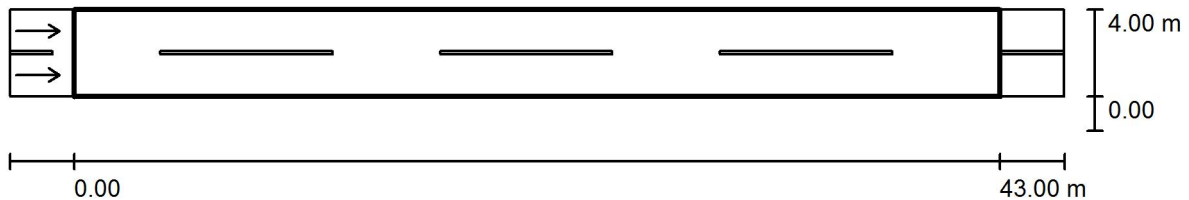
Jūras iela / False Colour Rendering



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 1:351

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.)

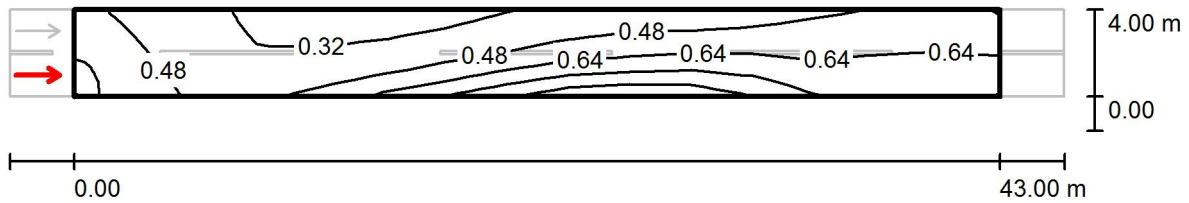
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.54	0.47	0.41	15	0.90
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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)	0.54	0.47	0.41	15
2	Observer 2	(-60.000, 3.000, 1.500)	0.58	0.47	0.53	11

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 351

Grid: 15 x 6 Points

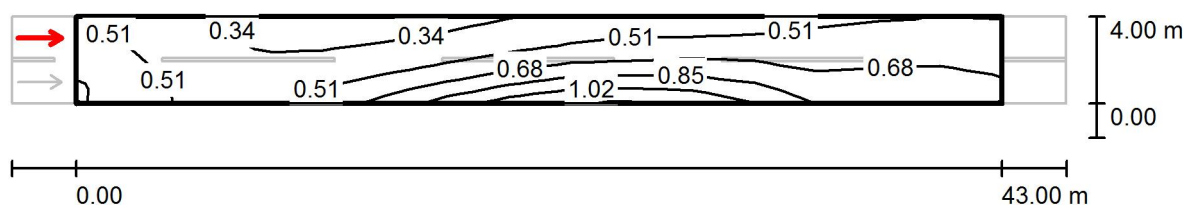
Observer Position: (-60.000 m, 1.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.54	0.47	0.41	15
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 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 : 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:	0.58	0.47	0.53	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

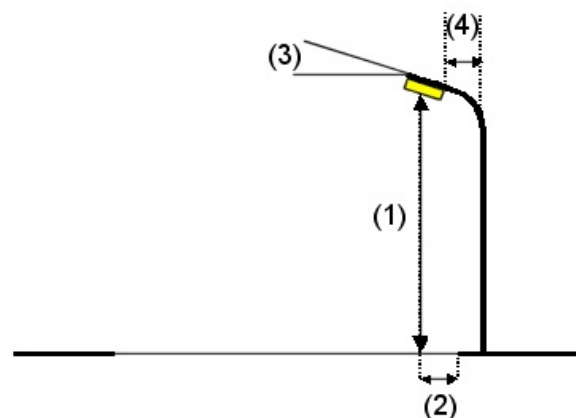
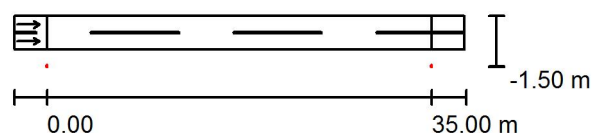
Kluba iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	35.000 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°:	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.

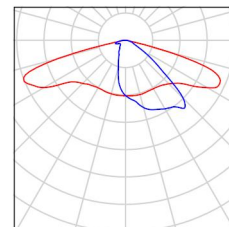
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Kluba iela / Luminaire parts list

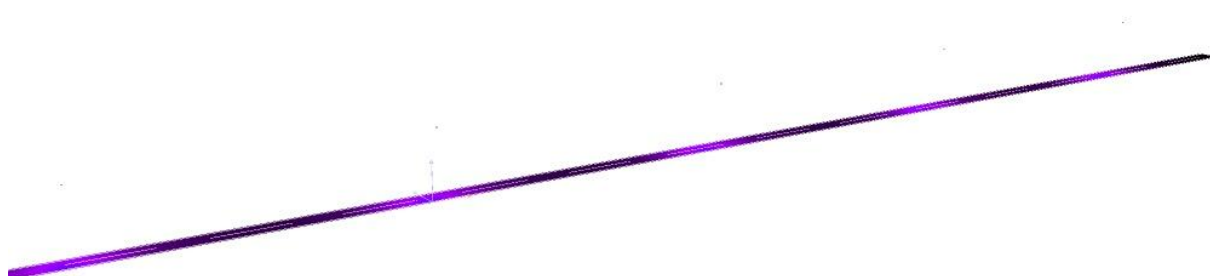
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

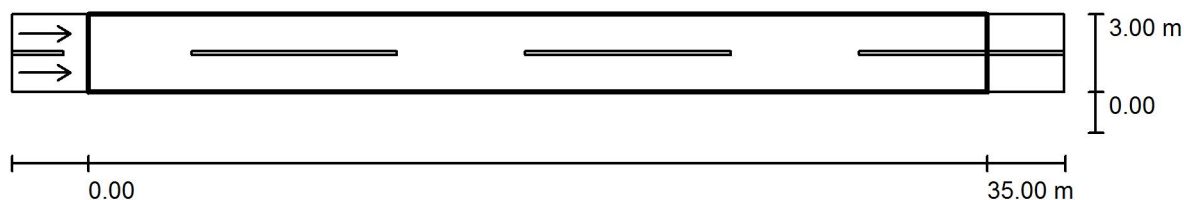
Kluba iela / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator
Telephone
Fax
e-Mail

Kluba iela / 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.)

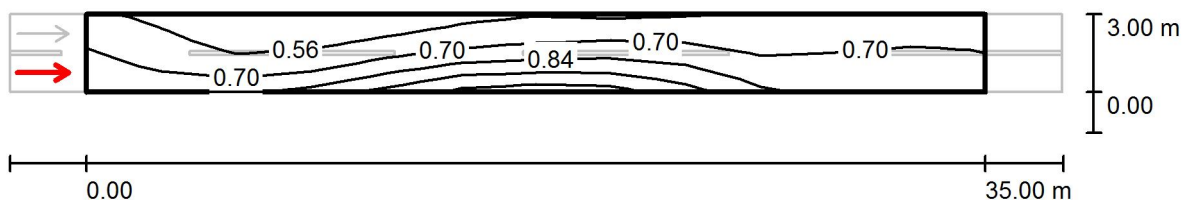
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.71	0.61	0.64	13	0.94
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.71	0.61	0.64	13
2	Observer 2	(-60.000, 2.250, 1.500)	0.75	0.62	0.73	10

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 294

Grid: 12 x 6 Points

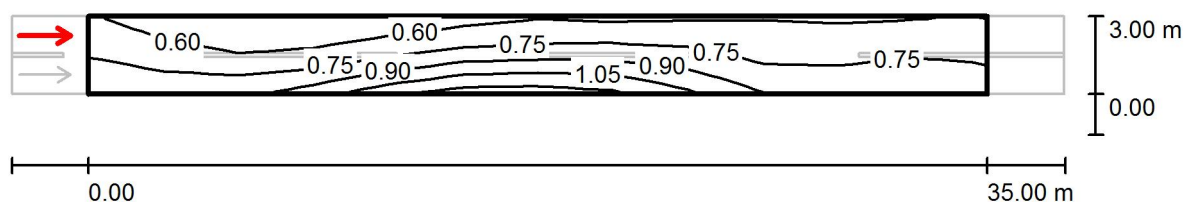
Observer Position: (-60.000 m, 0.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.71	0.61	0.64	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Kluba iela / 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, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.75	0.62	0.73	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

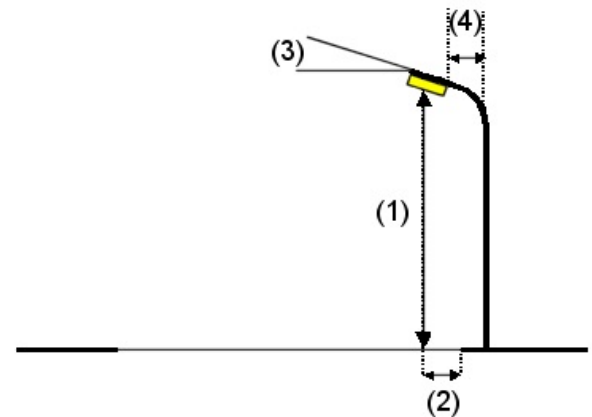
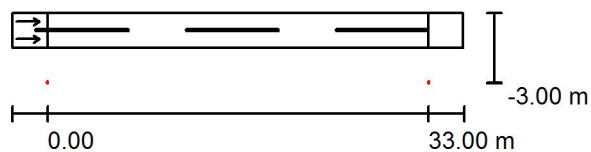
Ūdens iela / Planning data

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



Luminaire:	RoadSpark SLIM 60W
Luminous flux (Luminaire):	6072 lm
Luminous flux (Lamps):	7440 lm
Luminaire Wattage:	60.0 W
Arrangement:	Single row, bottom
Pole Distance:	33.000 m
Mounting Height (1):	9.000 m
Height:	9.000 m
Overhang (2):	-3.000 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°:	465 cd/klm
at 80°:	175 cd/klm
at 90°:	18 cd/klm

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

No luminous intensities above 95°.

Arrangement complies with luminous intensity class G1.

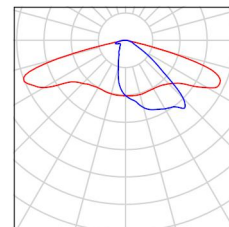
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Ūdens iela / Luminaire parts list

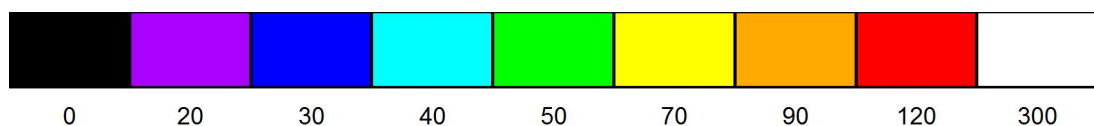
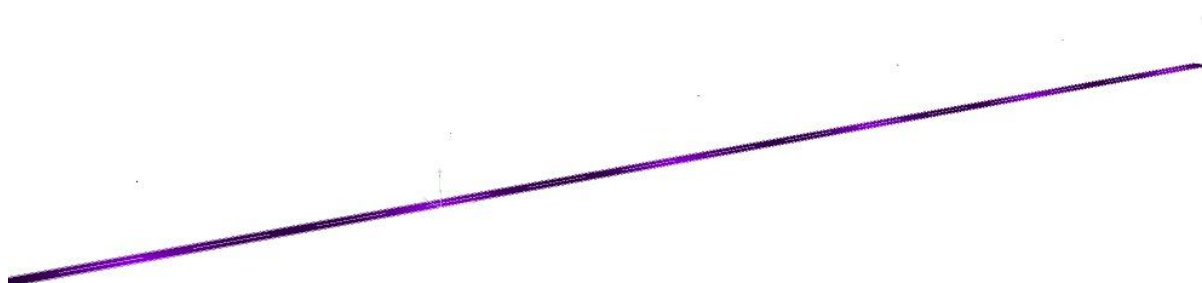
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



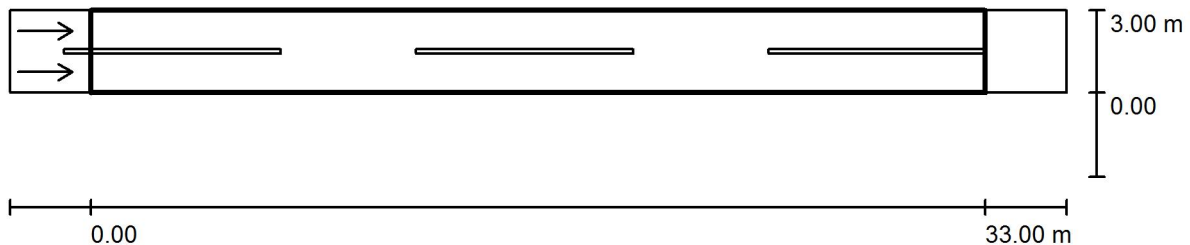
Operator
Telephone
Fax
e-Mail

Ūdens iela / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Ūdens iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:279

Grid: 11 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

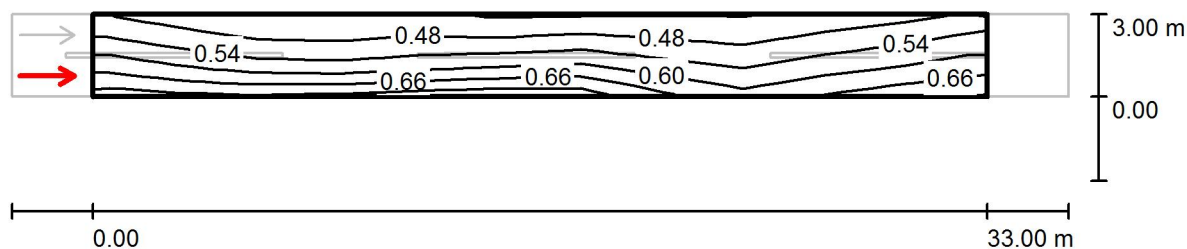
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.56	0.72	0.81	11	0.96
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.56	0.74	0.81	11
2	Observer 2	(-60.000, 2.250, 1.500)	0.59	0.72	0.81	9

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 279

Grid: 11 x 6 Points

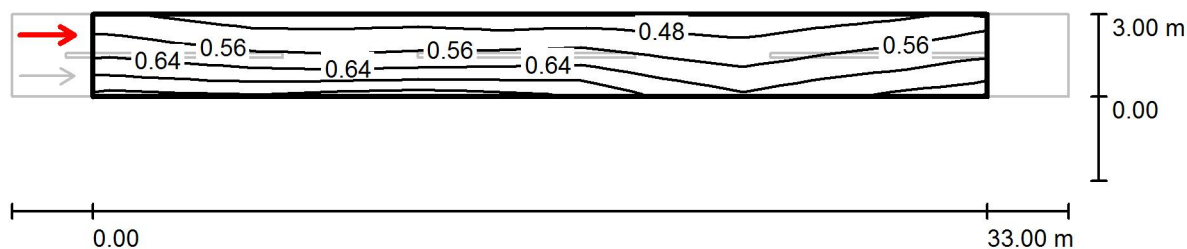
Observer Position: (-60.000 m, 0.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.56	0.74	0.81	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 279

Grid: 11 x 6 Points

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

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.59	0.72	0.81	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Kalēju iela (pirmais posms) / Planning data

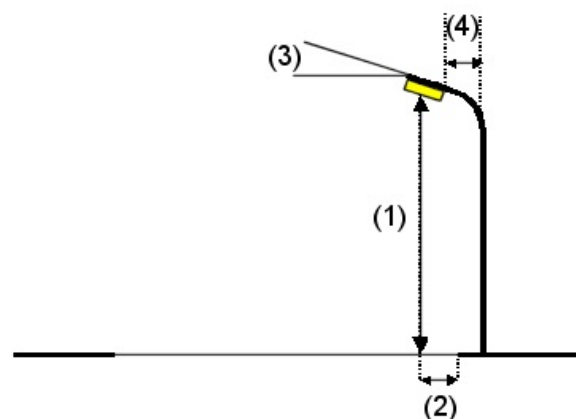
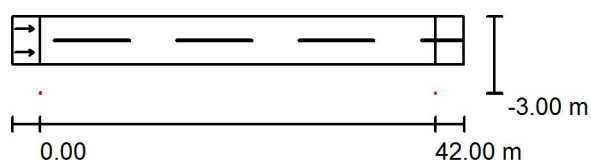
No Dzirnavu ielas līdz Cepļu ielai

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°: 501 cd/klm
Luminous flux (Lamps):	9200 lm	at 80°: 188 cd/klm
Luminaire Wattage:	80.0 W	at 90°: 19 cd/klm
Arrangement:	Single row, bottom	
Pole Distance:	42.000 m	
Mounting Height (1):	8.500 m	
Height:	8.500 m	
Overhang (2):	-3.000 m	
Boom Angle (3):	5.0 °	
Boom Length (4):	2.000 m	

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

No luminous intensities above 95°.

Arrangement complies with luminous intensity class G1.

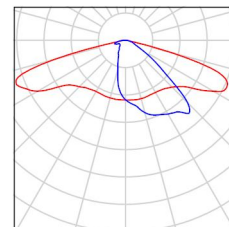
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Kalēju iela (pirmais posms) / Luminaire parts list

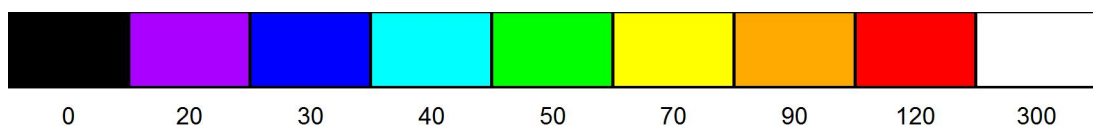
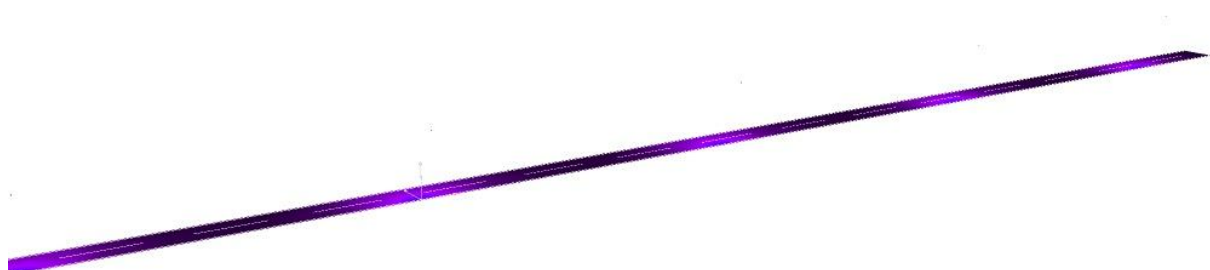
SIA Elnitor RoadSpark SLIM 80W
Article No.:
Luminous flux (Luminaire): 8081 lm
Luminous flux (Lamps): 9200 lm
Luminaire Wattage: 80.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



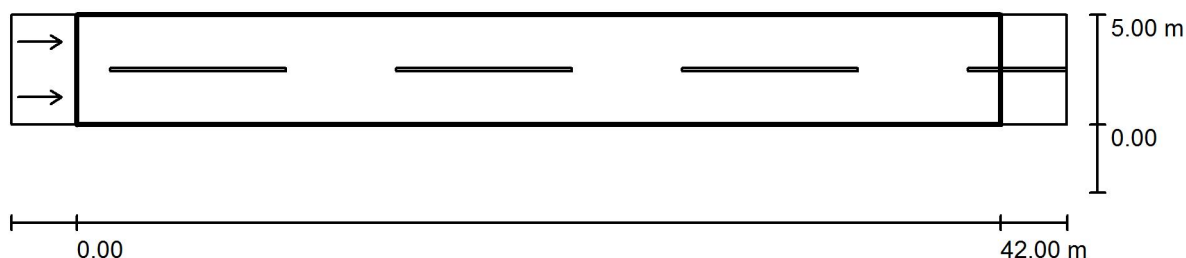
Operator
Telephone
Fax
e-Mail

Kalēju iela (pirmais posms) / False Colour Rendering



Operator
Telephone
Fax
e-Mail

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



Maintenance factor: 0.85

Scale 1:344

Grid: 14 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME5

(All lighting performance requirements are met.)

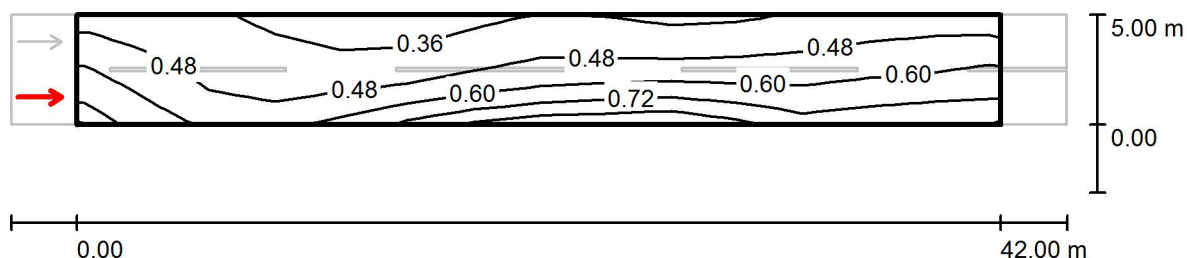
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.53	0.55	0.60	15	0.90
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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)	0.53	0.56	0.60	15
2	Observer 2	(-60.000, 3.750, 1.500)	0.57	0.55	0.70	11

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 344

Grid: 14 x 6 Points

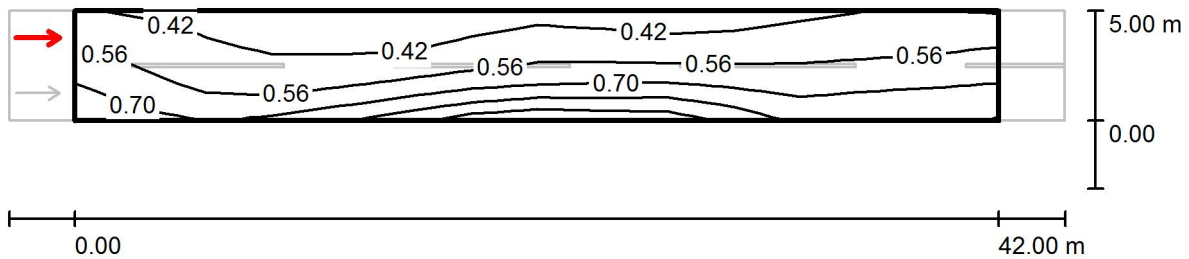
Observer Position: (-60.000 m, 1.250 m, 1.500 m)

tarmac: R3, q0: 0.070

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

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 344

Grid: 14 x 6 Points

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

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.57	0.55	0.70	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Kalēju iela (otrais posms) / Planning data

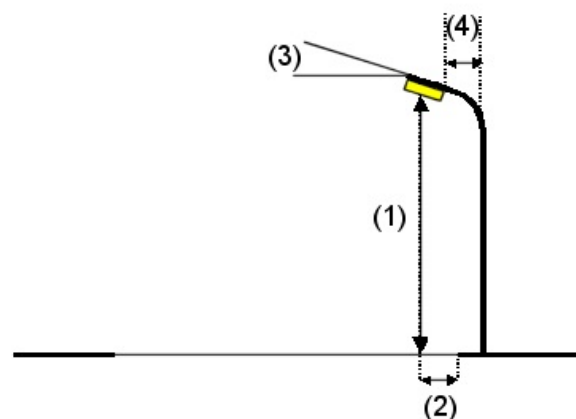
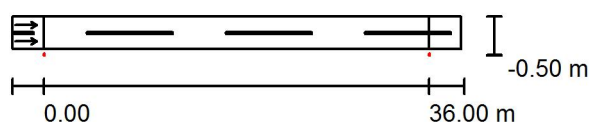
No Cepļu ielas līdz tiltam

Street Profile

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

Maintenance factor: 0.85

Luminaire Arrangements



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

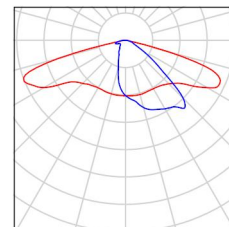
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Kalēju iela (otrais posms) / Luminaire parts list

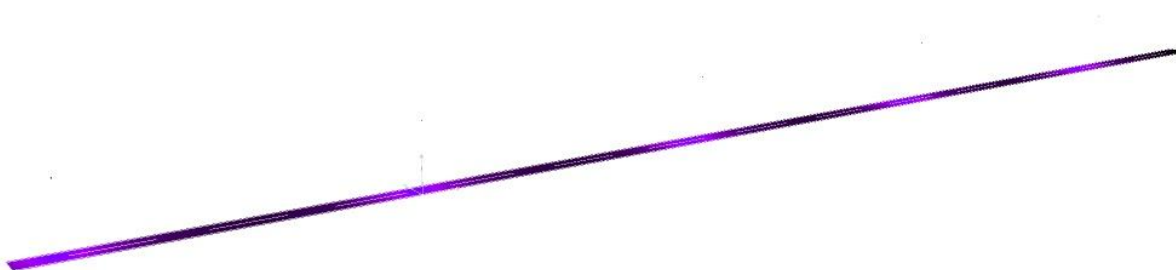
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



Operator
Telephone
Fax
e-Mail

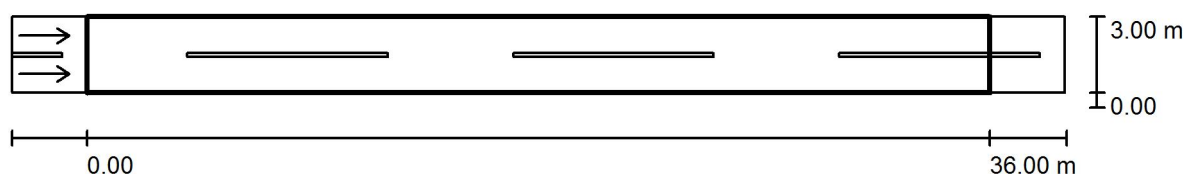
Kalēju iela (otrais posms) / False Colour Rendering



0 20 30 40 50 70 90 120 300 lx

Operator
Telephone
Fax
e-Mail

Kalēju iela (otrais posms) / 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.)

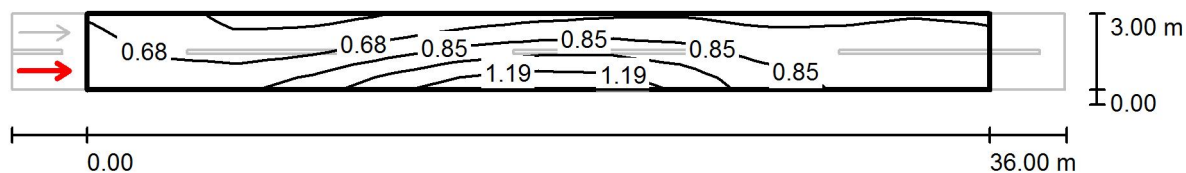
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.80	0.57	0.60	12	0.93
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m ²]	U0	UI	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.80	0.57	0.60	12
2	Observer 2	(-60.000, 2.250, 1.500)	0.84	0.57	0.63	11

Operator
Telephone
Fax
e-Mail

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



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points

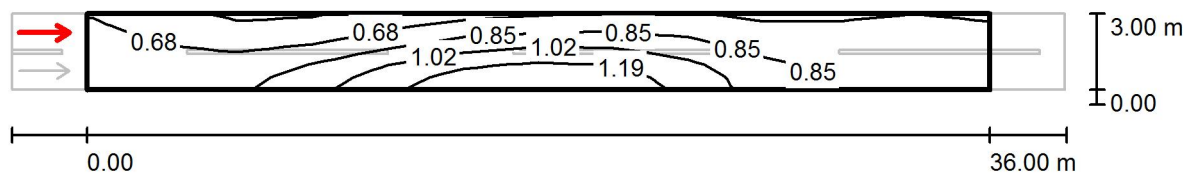
Observer Position: (-60.000 m, 0.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.80	0.57	0.60	12
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Kalēju iela (otrais posms) / 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, 2.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.84	0.57	0.63	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓