Daugavpils nov.

Demene, Briģenes iela
Demene, Pumpuru iela
Demene, Ezeru iela
Demene, Teritorija pie Kultūras nama
Dubna, Sporta iela
Dubna, Nākotnes iela (pie ēkas nr. 1A; 3; 5; 7; 9)
Silene, Skaiska iela
Silene, Aizupes iela (pie pasta nodaļas)
Silene, Skolas iela
Silene, Dīķu iela
Silene, Teritorija pie skolas (skolas iela 19)
Silene, Austrumu iela

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

Date: 11.04.2015
Operator:

Operator
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Fax
e-Mail

Table of contents

Daugavpils nov.
Project Cover 1
Table of contents 2
SIA Elnitor RoadSpark SLIM 80W
Luminaire Data Sheet 5
RoadSpark SLIM 60W
Luminaire Data Sheet 6
Demene, Briģenes iela
Planning data 7
Luminaire parts list 8
False Colour Rendering 9
Valuation Fields
Valuation Field Roadway 1
Results overview 10
Observer
Observer 1
Isolines (L) 11
Observer 2
Isolines (L) 12
Demene, Pumpuru iela
Planning data 13
Luminaire parts list 14
False Colour Rendering 15
Valuation Fields
Roadway 1
Results overview 16
Observer
Observer 1
Isolines (L) 17
Observer 2
Isolines (L) 18
Demene, Ezeru iela
Planning data 19
Luminaire parts list 20
False Colour Rendering 21
Valuation Fields
Roadway 1
Results overview 22
Observer
Observer 1
Isolines (L) 23
Observer 2
Isolines (L) 24
Teritorija pie Kultūras nama
Planning data 25
Luminaire parts list 26
False Colour Rendering 27
Valuation Fields
Roadway 1
Results overview 28
Dubna, Sporta iela
Planning data 29
Luminaire parts list 30
False Colour Rendering 31

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e-Mail

Table of contents

Valuation Fields
Valuation Field Roadway 1
Results overview 32
Observer
Observer 1
Isolines (L) 33
Observer 2
Isolines (L) 34
Dubna, Nākotnes iela (pie ēkas nr. 1A; 3; 5; 7; 9)
Planning data 35
Luminaire parts list 36
False Colour Rendering 37
Valuation Fields
Valuation Field Roadway 1
Results overview 38
Silene, Skaiska iela
Planning data 39
Luminaire parts list 40
False Colour Rendering 41
Valuation Fields
Valuation Field Roadway 1
Results overview 42
Observer
Observer 1
Isolines (L) 43
Observer 2
Isolines (L) 44
Silene, Aizupes iela (pie pasta nodaļas)
Planning data 45
Luminaire parts list 46
False Colour Rendering 47
Valuation Fields
Valuation Field Roadway 1
Results overview 48
Observer
Observer 1
Isolines (L) 49
Observer 2
Isolines (L) 50
Silene, Skolas iela
Planning data 51
Luminaire parts list 52
False Colour Rendering 53
Valuation Fields
Valuation Field Roadway 1
Results overview 54
Observer
Observer 1
Isolines (L) 55
Observer 2
Isolines (L) 56
Silene, Dīķu iela
Planning data 57
Luminaire parts list 58

Operator
Telephone
Fax
e-Mail

Table of contents

False Colour Rendering 59
Valuation Fields
Valuation Field Roadway 1
Results overview 60
Observer
Observer 1
Isolines (L) 61
Observer 2
Isolines (L) 62
Silene, Teritorija pie skolas (skolas iela 19)
Planning data 63
Luminaire parts list 64
False Colour Rendering 65
Valuation Fields
Valuation Field Roadway 1
Results overview 66
Silene, Austrumu iela
Planning data 67
Luminaire parts list 68
False Colour Rendering 69
Valuation Fields
Valuation Field Roadway 1
Results overview 70

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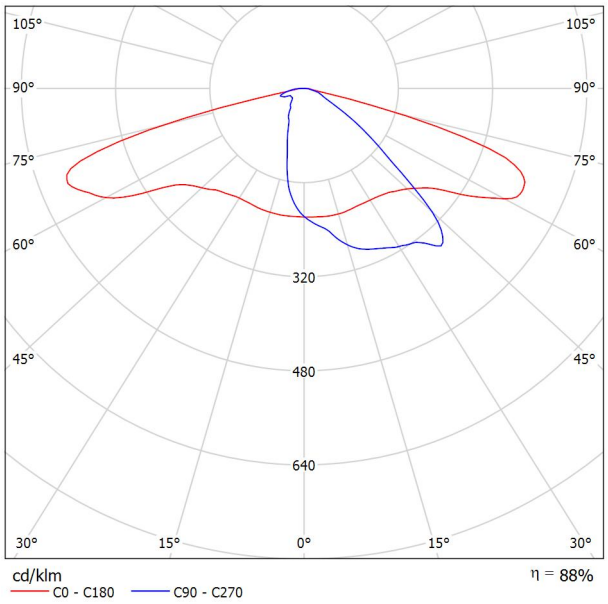
SIA Elnitor RoadSpark SLIM 80W / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 88

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

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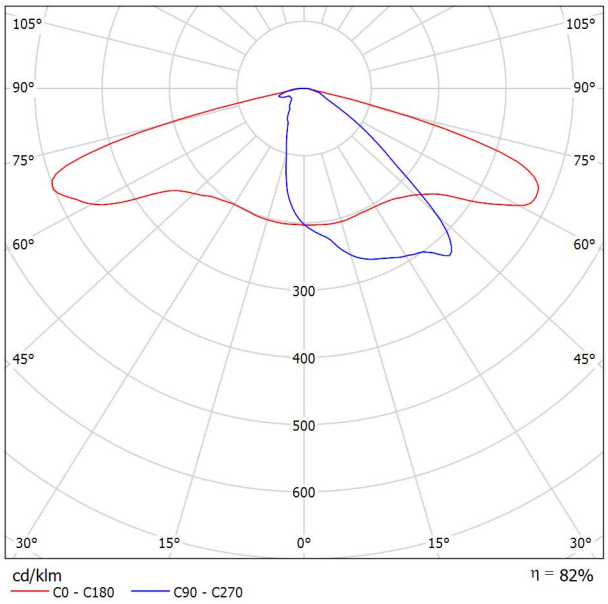
RoadSpark SLIM 60W / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



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

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

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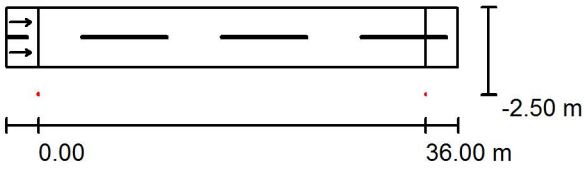
Demene, Briģenes iela / Planning data

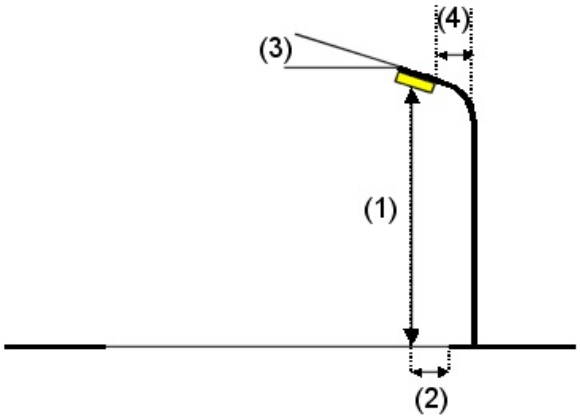
Street Profile

Roadway 1 (Width: 5.500 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	Maximum luminous intensities
Luminous flux (Lamps):	9200 lm	at 70°: 492 cd/klm
Luminaire Wattage:	80.0 W	at 80°: 103 cd/klm
Arrangement:	Single row, bottom	at 90°: 13 cd/klm
Pole Distance:	36.000 m	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Mounting Height (1):	8.000 m	
Height:	8.000 m	No luminous intensities above 90°.
Overhang (2):	-2.500 m	Arrangement complies with luminous intensity class G2.
Boom Angle (3):	0.0 °	Arrangement complies with glare index class D.4.
Boom Length (4):	1.500 m	

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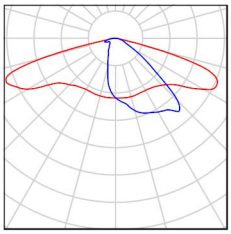
Demene, Briģenes iela / Luminaire parts list

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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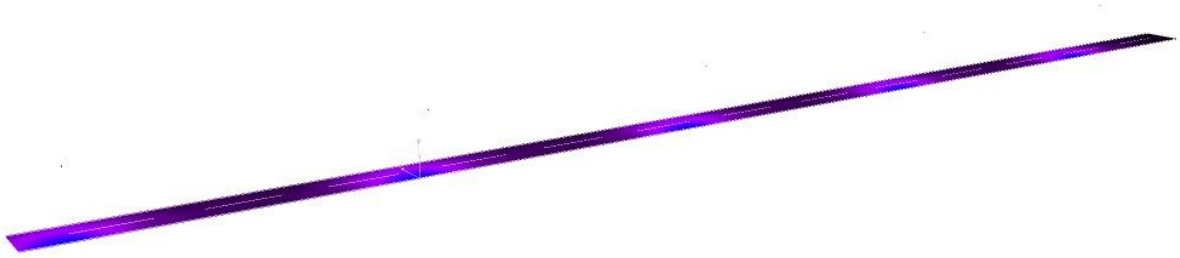
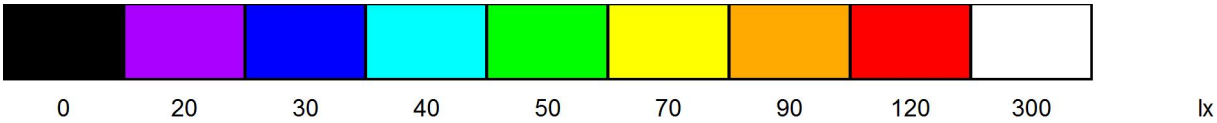
Demene, Briģenes iela / False Colour Rendering





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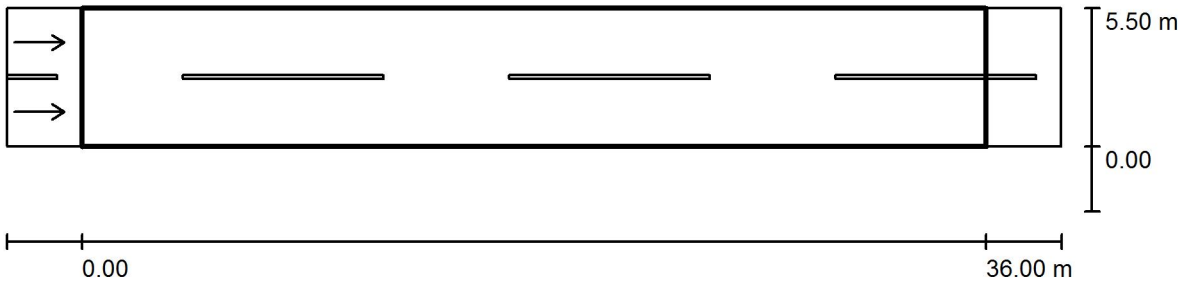
Demene, Briģenes iela / Valuation Field Roadway 1 / Results overview



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/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.66	0.51	0.70	15	0.79
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/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.375, 1.500)	0.66	0.53	0.70	15
2	Observer 2	(-60.000, 4.125, 1.500)	0.72	0.51	0.73	9

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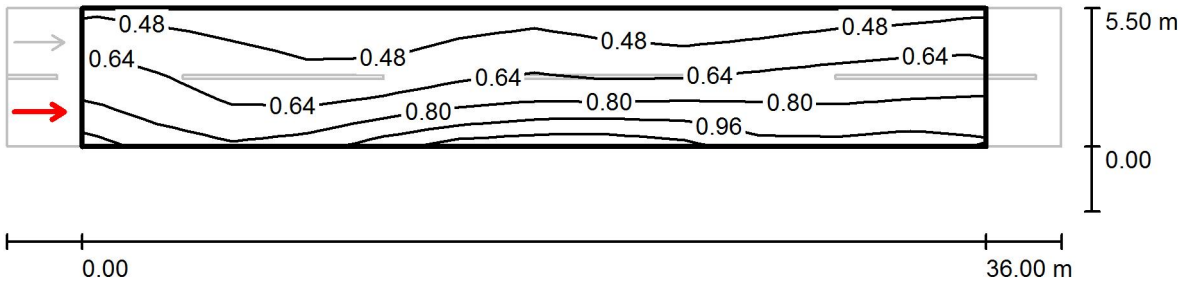
Demene, Briģenes iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points
Observer Position: (-60.000 m, 1.375 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.66	0.53	0.70	15
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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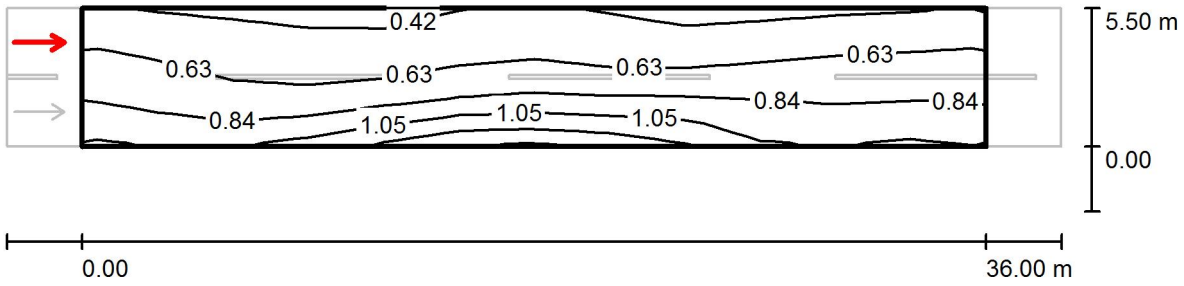
Demene, Briģenes iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points
Observer Position: (-60.000 m, 4.125 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.72	0.51	0.73	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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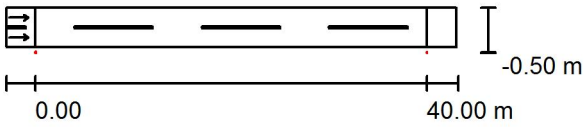
Demene, Pumpuru iela / Planning data

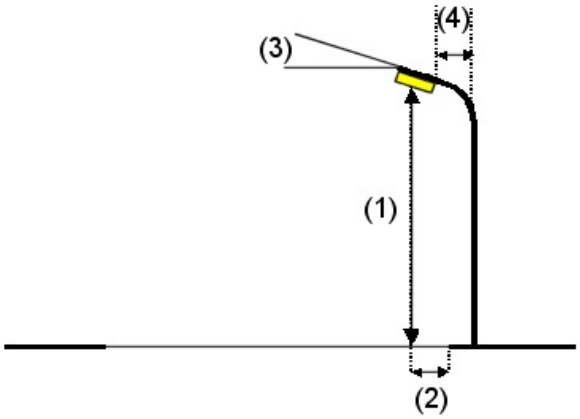
Street Profile

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:	40.000 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
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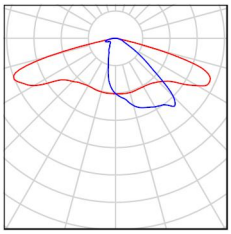
Demene, Pumpuru iela / Luminaire parts list

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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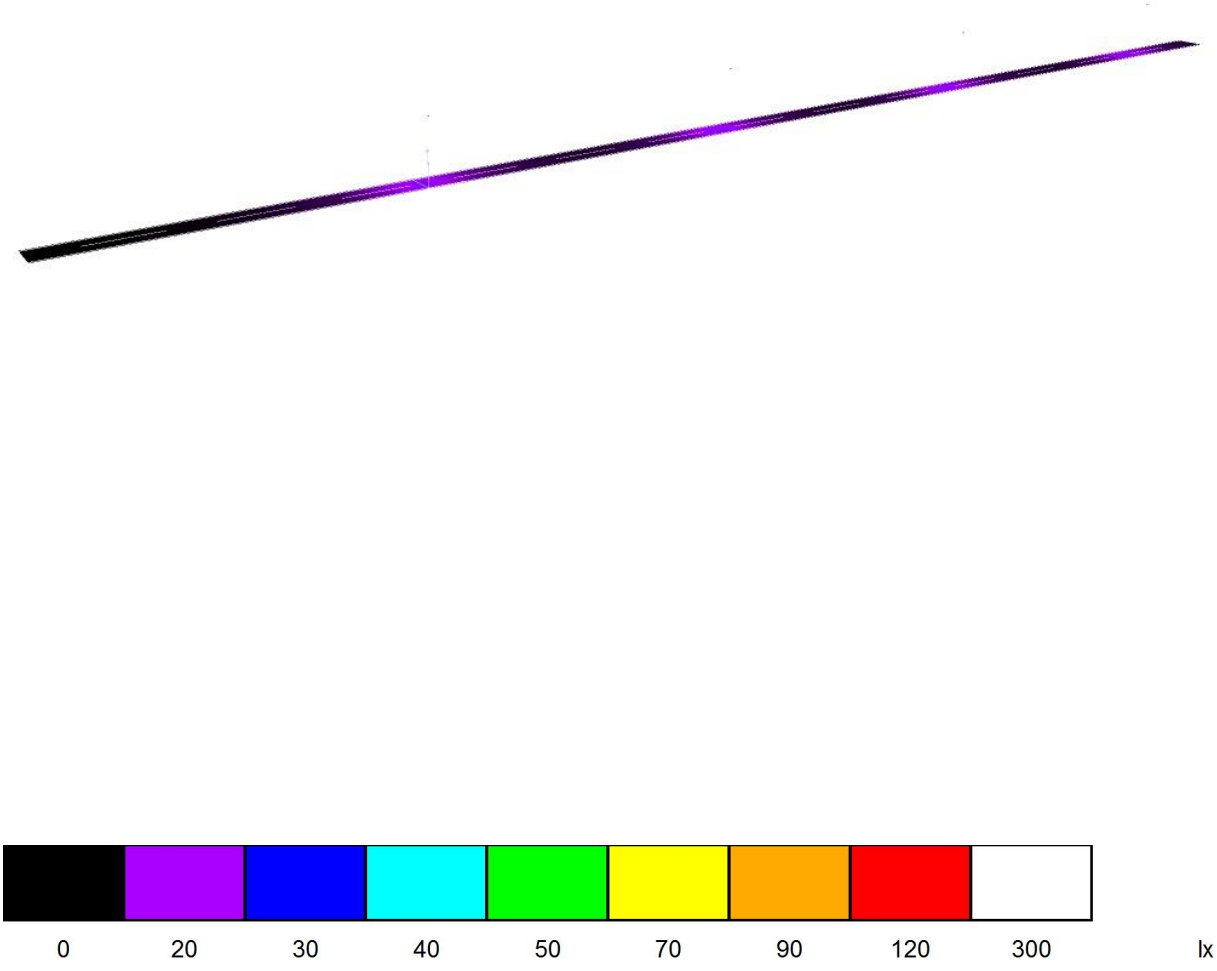
Demene, Pumpuru iela / False Colour Rendering



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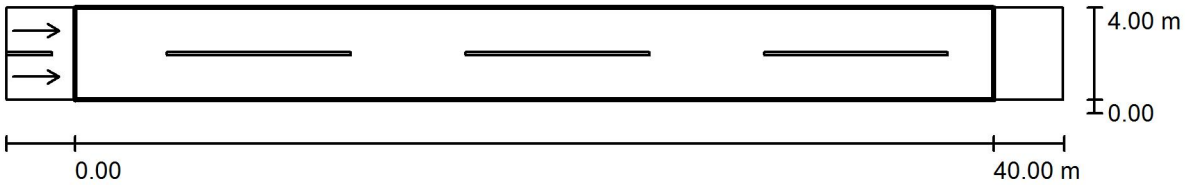
Demene, Pumpuru iela / Roadway 1 / Results overview



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/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.67	0.51	0.46	14	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/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.000, 1.500)	0.67	0.51	0.46	14
2	Observer 2	(-60.000, 3.000, 1.500)	0.71	0.51	0.53	11

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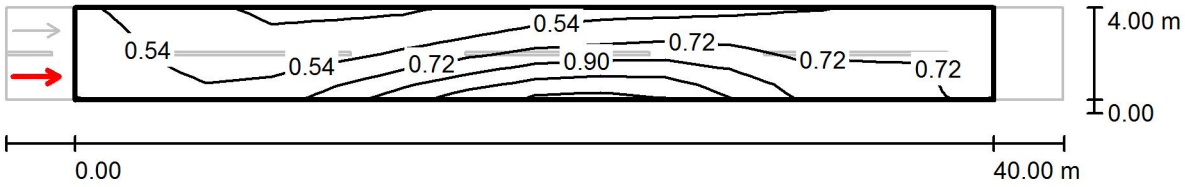
Demene, Pumpuru iela / Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 329

Grid: 14 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:	0.67	0.51	0.46	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Telephone
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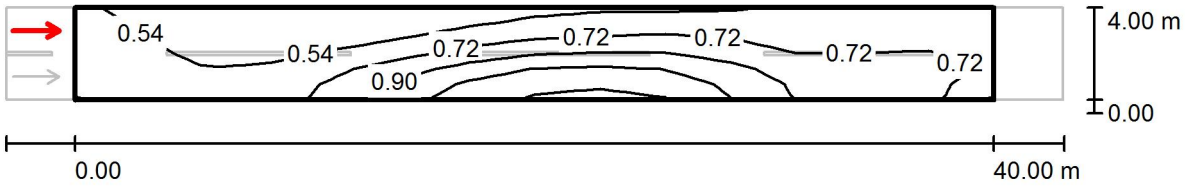
Demene, Pumpuru iela / Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 329

Grid: 14 x 6 Points
Observer Position: (-60.000 m, 3.000 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.71	0.51	0.53	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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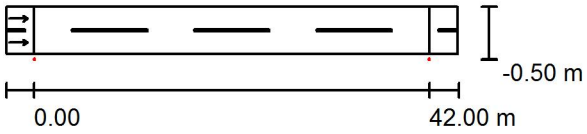
Demene, Ezeru iela / Planning data

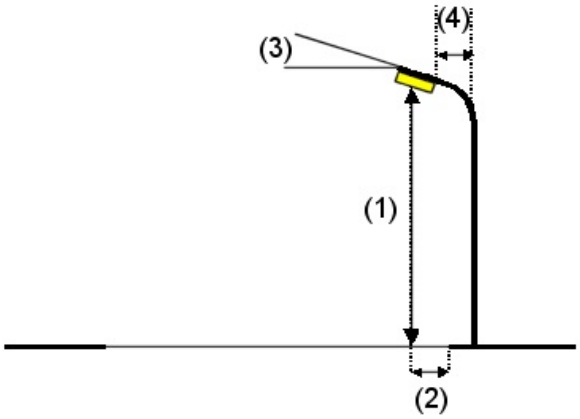
Street Profile

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:	42.000 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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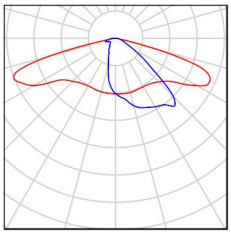
Demene, Ezeru iela / Luminaire parts list

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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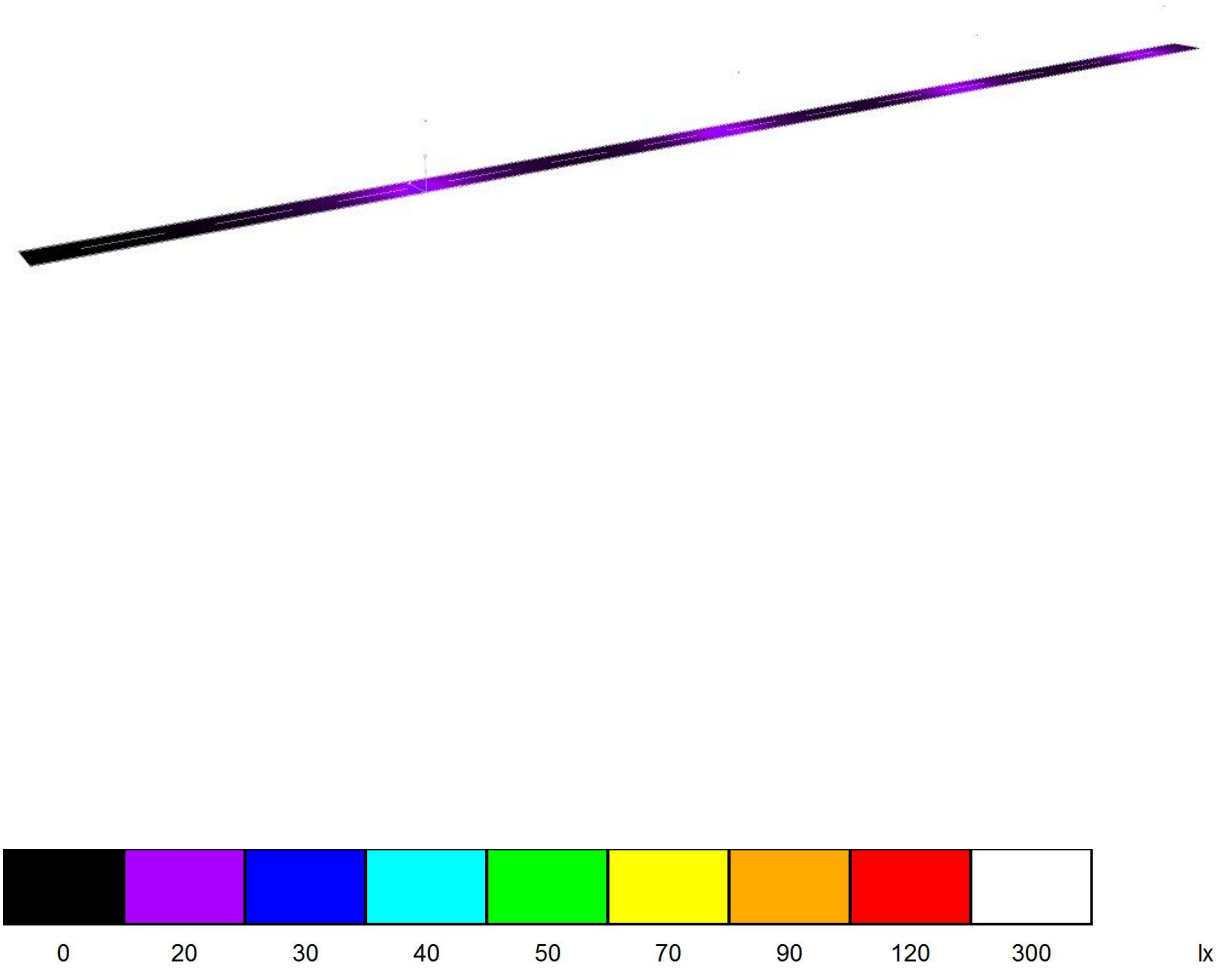
Demene, Ezeru iela / False Colour Rendering



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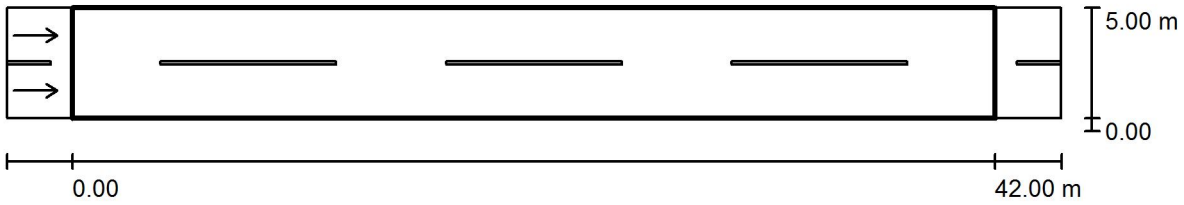
Demene, Ezeru iela / Roadway 1 / Results overview



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/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.59	0.45	0.41	15	0.82
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/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.250, 1.500)	0.59	0.45	0.41	15
2	Observer 2	(-60.000, 3.750, 1.500)	0.64	0.45	0.54	11

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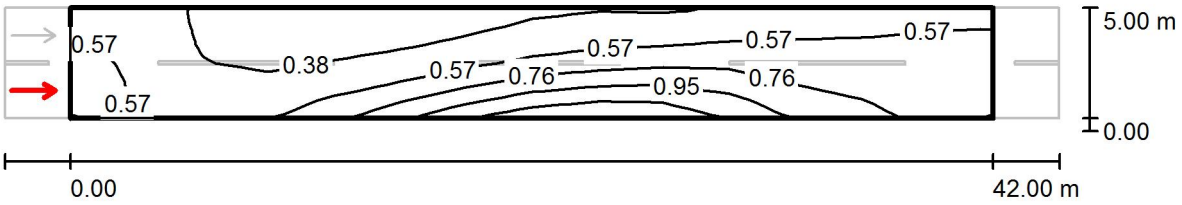
Demene, Ezeru iela / Roadway 1 / Observer 1 / Isolines (L)



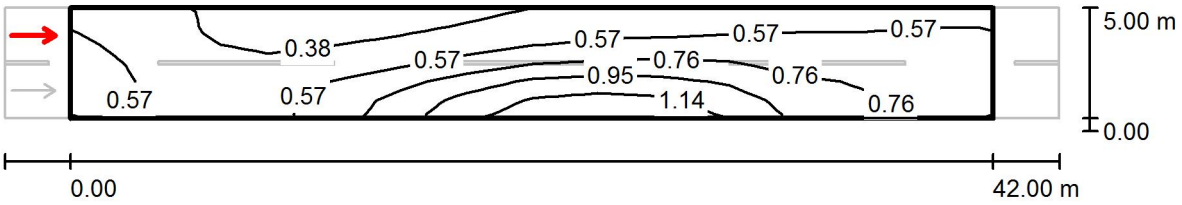
Values in Candela/m², Scale 1 : 344

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:	0.59	0.45	0.41	15
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Demene, Ezeru iela / 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:	0.64	0.45	0.54	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

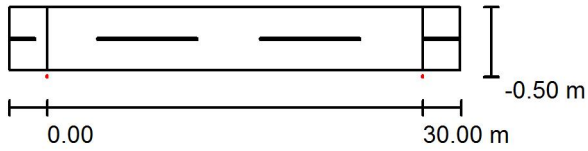
Teritorija pie Kultūras nama / Planning data

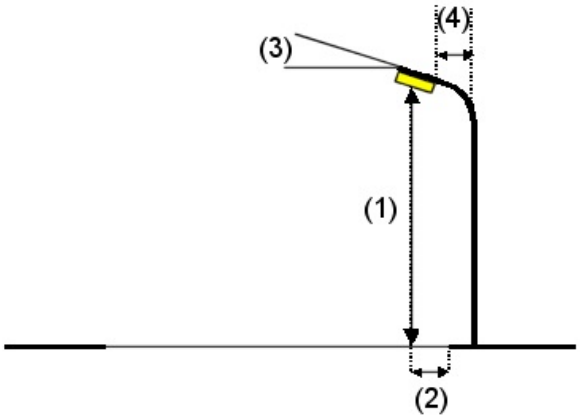
Street Profile

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:	30.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-0.500 m
Boom Angle (3):	10.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°:	450 cd/klm
at 80°:	260 cd/klm
at 90°:	29 cd/klm

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

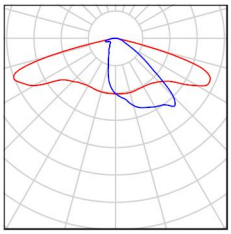
Arrangement complies with glare index class D.3.

Operator
Telephone
Fax
e-Mail

Teritorija pie Kultūras nama / Luminaire parts list

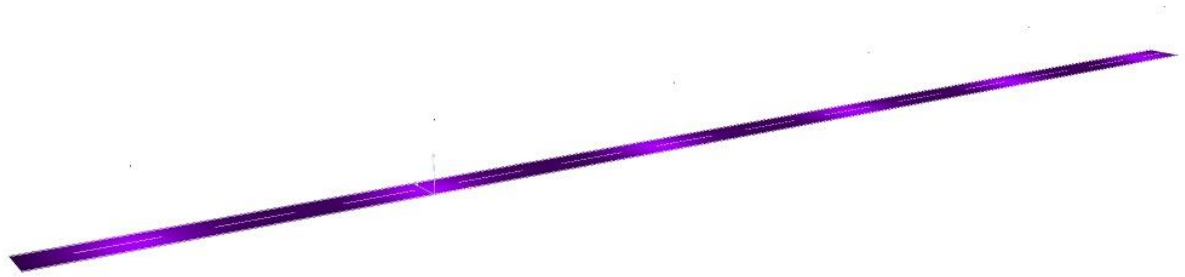
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



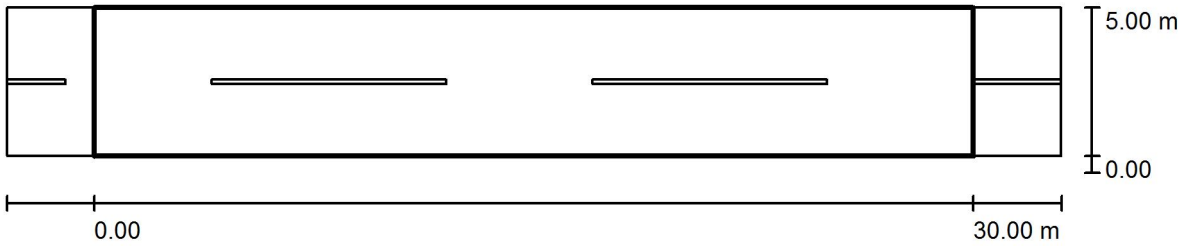
Operator
Telephone
Fax
e-Mail

Teritorija pie Kultūras nama / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Teritorija pie Kultūras nama / Roadway 1 / Results overview



Maintenance factor: 0.85 Scale 1:258

Grid: 10 x 4 Points
Accompanying Street Elements: Roadway 1.
Selected Lighting Class: S3 (All lighting performance requirements are met.)

	E_{av} [lx]	E_{min} [lx]
Calculated values:	11.25	6.98
Required values according to class:	≥ 7.50	≥ 1.50
Fulfilled/Not fulfilled:	✓	✓

Operator
Telephone
Fax
e-Mail

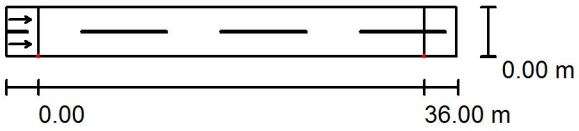
Dubna, Sporta iela / Planning data

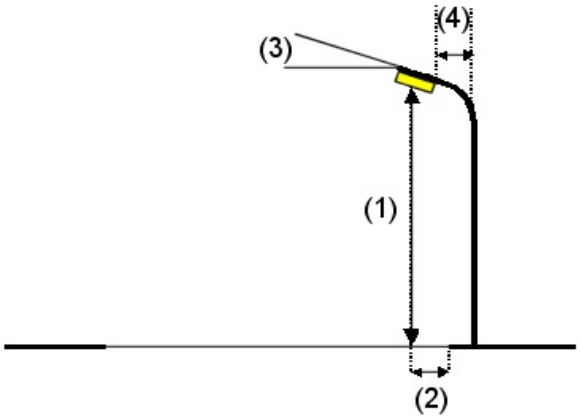
Street Profile

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:	36.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.000 m
Boom Angle (3):	10.0 °
Boom Length (4):	1.000 m

Maximum luminous intensities

at 70°:	450 cd/klm
at 80°:	260 cd/klm
at 90°:	29 cd/klm

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

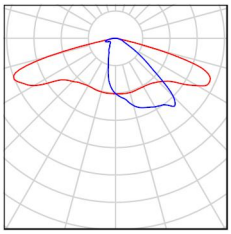
Arrangement complies with glare index class D.3.

Operator
Telephone
Fax
e-Mail

Dubna, Sporta iela / Luminaire parts list

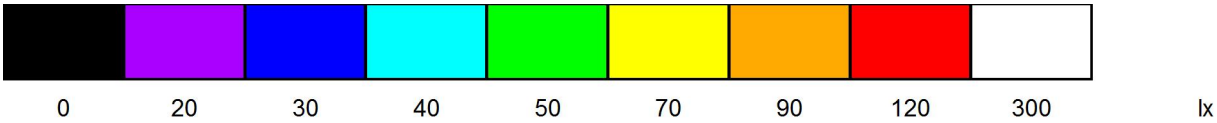
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



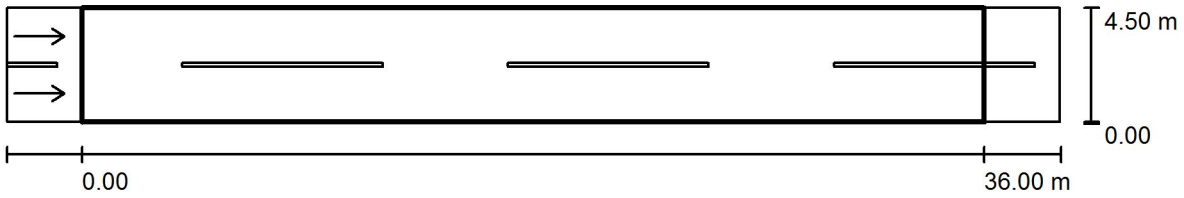
Operator
Telephone
Fax
e-Mail

Dubna, Sporta iela / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Dubna, Sporta 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.)

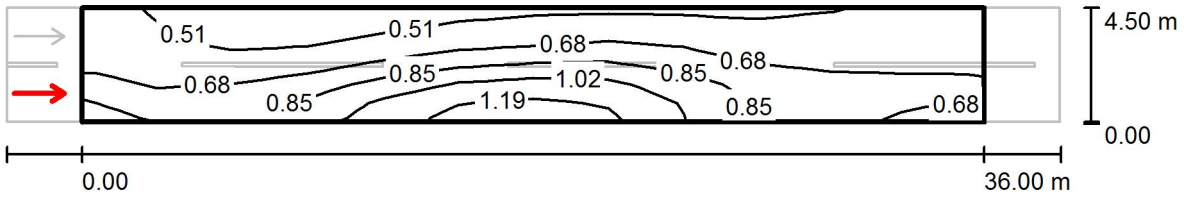
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.72	0.54	0.59	13	0.77
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.125, 1.500)	0.72	0.54	0.59	13
2	Observer 2	(-60.000, 3.375, 1.500)	0.77	0.58	0.70	11

Operator
Telephone
Fax
e-Mail

Dubna, Sporta iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



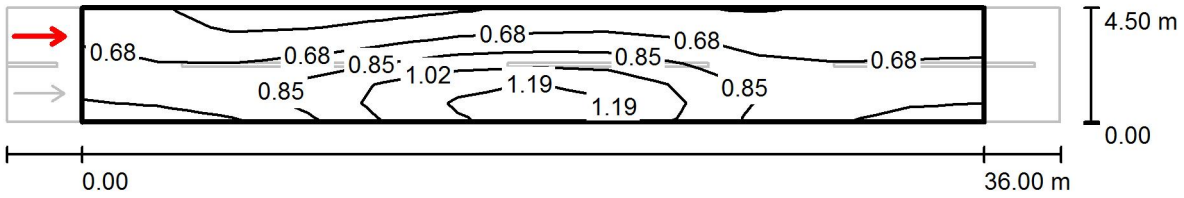
Values in Candela/m², Scale 1 : 301

Grid: 12 x 6 Points
Observer Position: (-60.000 m, 1.125 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.72	0.54	0.59	13
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Dubna, Sporta 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, 3.375 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.77	0.58	0.70	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

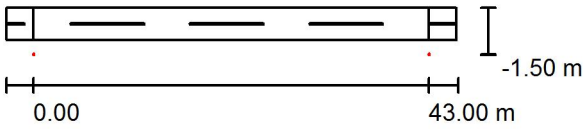
Dubna, Nākotnes iela (pie ēkas nr. 1A; 3; 5; 7; 9) / Planning data

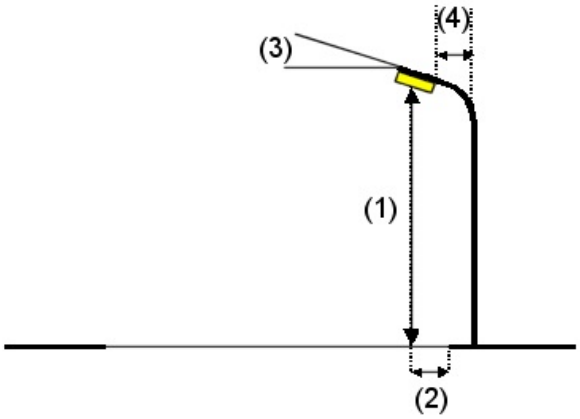
Street Profile

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:	43.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-1.500 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.000 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.

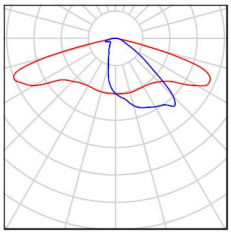
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Dubna, Nākotnes iela (pie ēkas nr. 1A; 3; 5; 7; 9) / Luminaire parts list

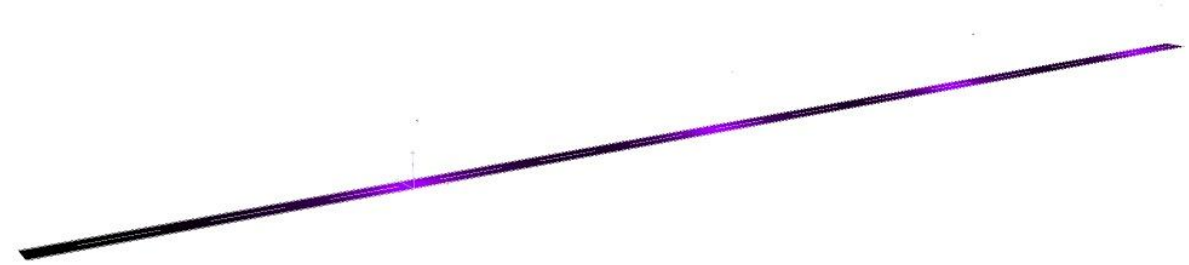
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



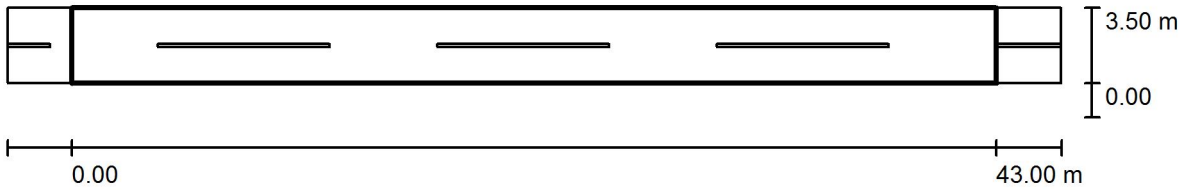
Operator
Telephone
Fax
e-Mail

Dubna, Nākotnes iela (pie ēkas nr. 1A; 3; 5; 7; 9) / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Dubna, Nākotnes iela (pie ēkas nr. 1A; 3; 5; 7; 9) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:351

Grid: 15 x 3 Points
Accompanying Street Elements: Roadway 1.
Selected Lighting Class: S3 (All lighting performance requirements are met.)

	E_{av} [lx]	E_{min} [lx]
Calculated values:	8.34	3.20
Required values according to class:	≥ 7.50	≥ 1.50
Fulfilled/Not fulfilled:	✓	✓

Operator
Telephone
Fax
e-Mail

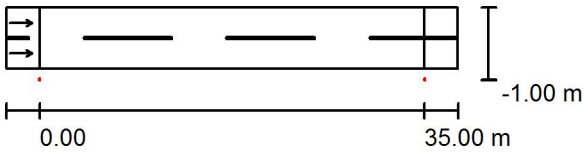
Silene, Skaiska iela / Planning data

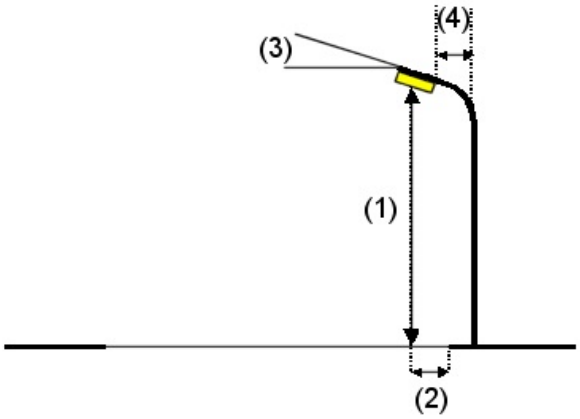
Street Profile

Roadway 1 (Width: 5.500 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:	35.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	-1.000 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.000 m

Maximum luminous intensities

at 70°:	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.

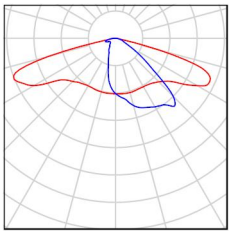
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Silene, Skaiska 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.

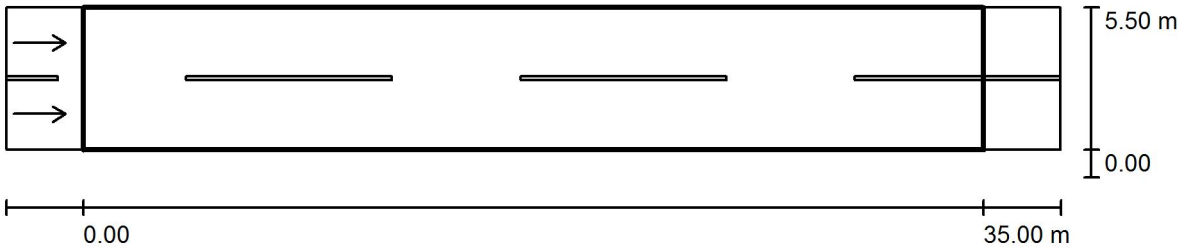


Operator
Telephone
Fax
e-Mail

Silene, Skaiska iela / False Colour Rendering

Operator
Telephone
Fax
e-Mail

Silene, Skaiska 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.)

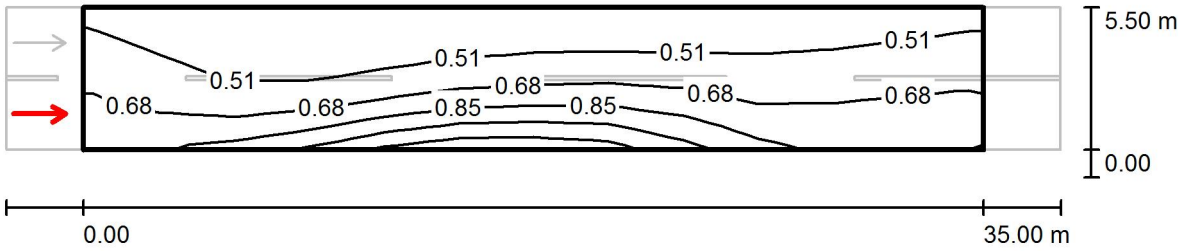
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.63	0.57	0.68	14	0.80
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.375, 1.500)	0.63	0.58	0.68	14
2	Observer 2	(-60.000, 4.125, 1.500)	0.69	0.57	0.78	10

Operator
Telephone
Fax
e-Mail

Silene, Skaiska iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



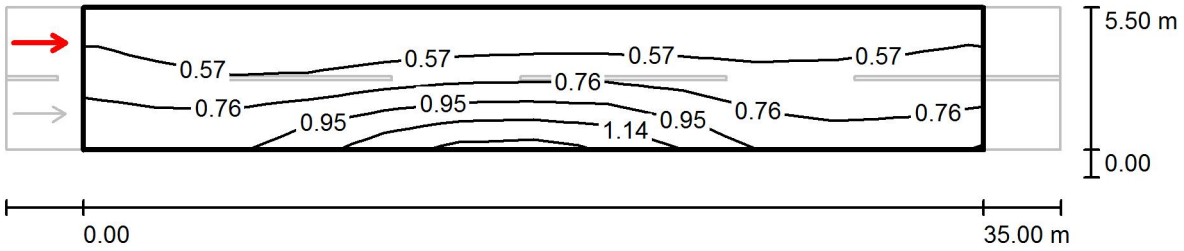
Values in Candela/m², Scale 1 : 294

Grid: 12 x 6 Points
Observer Position: (-60.000 m, 1.375 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.63	0.58	0.68	14
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Silene, Skaiska 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, 4.125 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.69	0.57	0.78	10
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

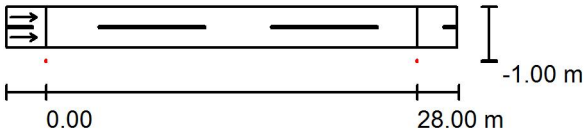
Silene, Aizupes iela (pie pasta nodaļas) / Planning data

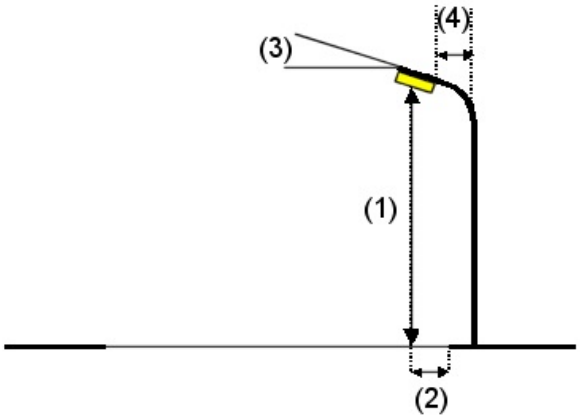
Street Profile

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

Maximum luminous intensities

at 70°:	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.

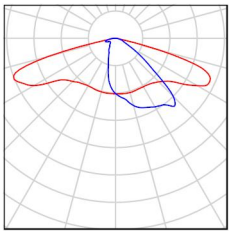
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Silene, Aizupes iela (pie pasta nodaļas) / Luminaire parts list

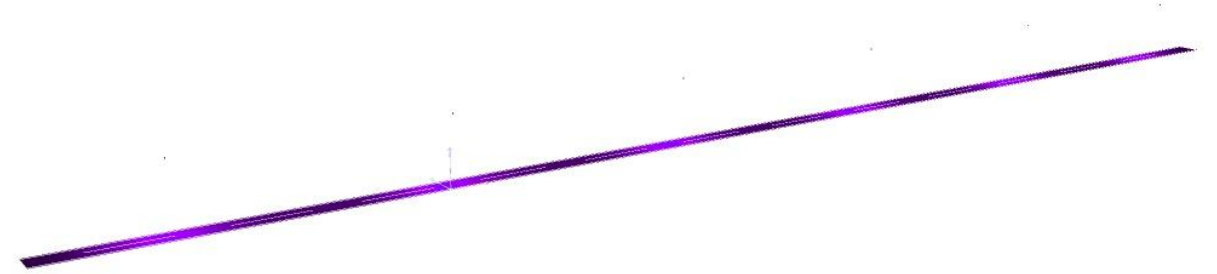
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



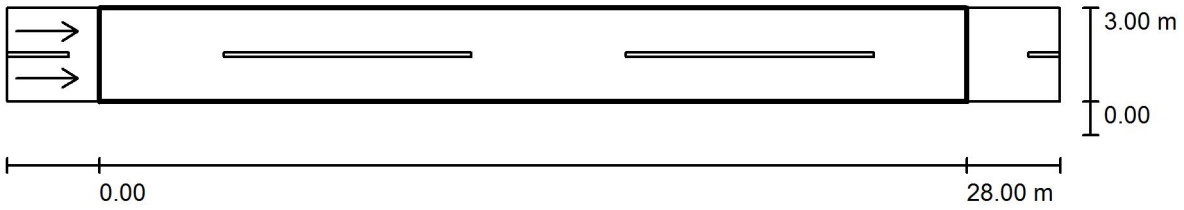
Operator
Telephone
Fax
e-Mail

Silene, Aizupes iela (pie pasta nodaļas) / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Silene, Aizupes iela (pie pasta nodaļas) / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:244

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.)

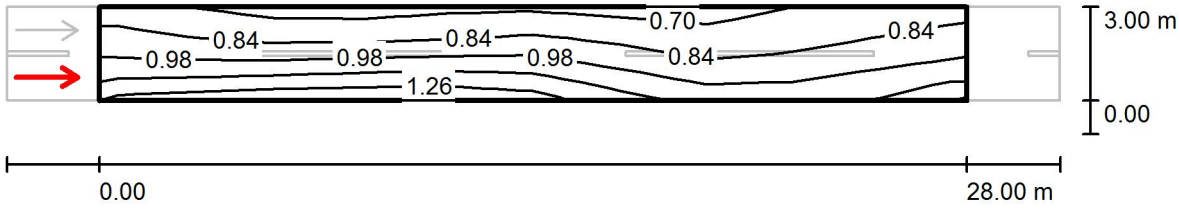
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.93	0.68	0.79	11	0.93
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 0.750, 1.500)	0.93	0.69	0.79	11
2	Observer 2	(-60.000, 2.250, 1.500)	1.00	0.68	0.82	9

Operator
Telephone
Fax
e-Mail

Silene, Aizupes iela (pie pasta nodaļas) / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



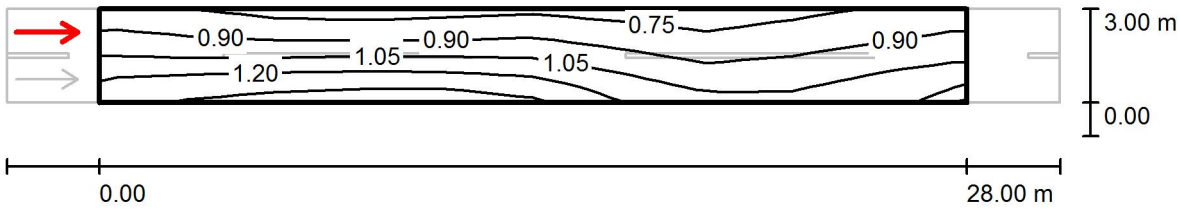
Values in Candela/m², Scale 1 : 244

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 0.750 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.93	0.69	0.79	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Silene, Aizupes iela (pie pasta nodaļas) / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 244

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 2.250 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	1.00	0.68	0.82	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

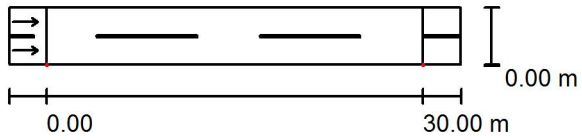
Silene, Skolas iela / Planning data

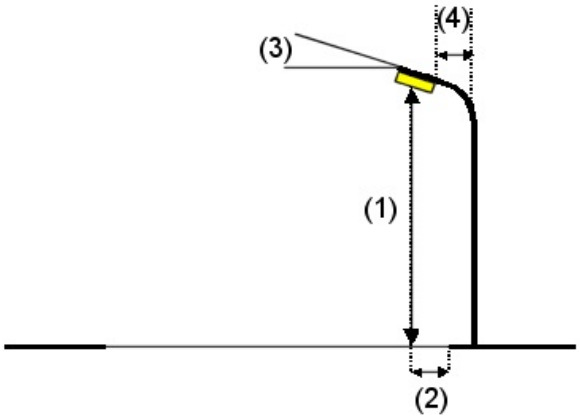
Street Profile

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:	30.000 m
Mounting Height (1):	8.000 m
Height:	8.000 m
Overhang (2):	0.000 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.000 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.

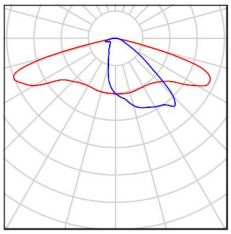
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Silene, Skolas iela / Luminaire parts list

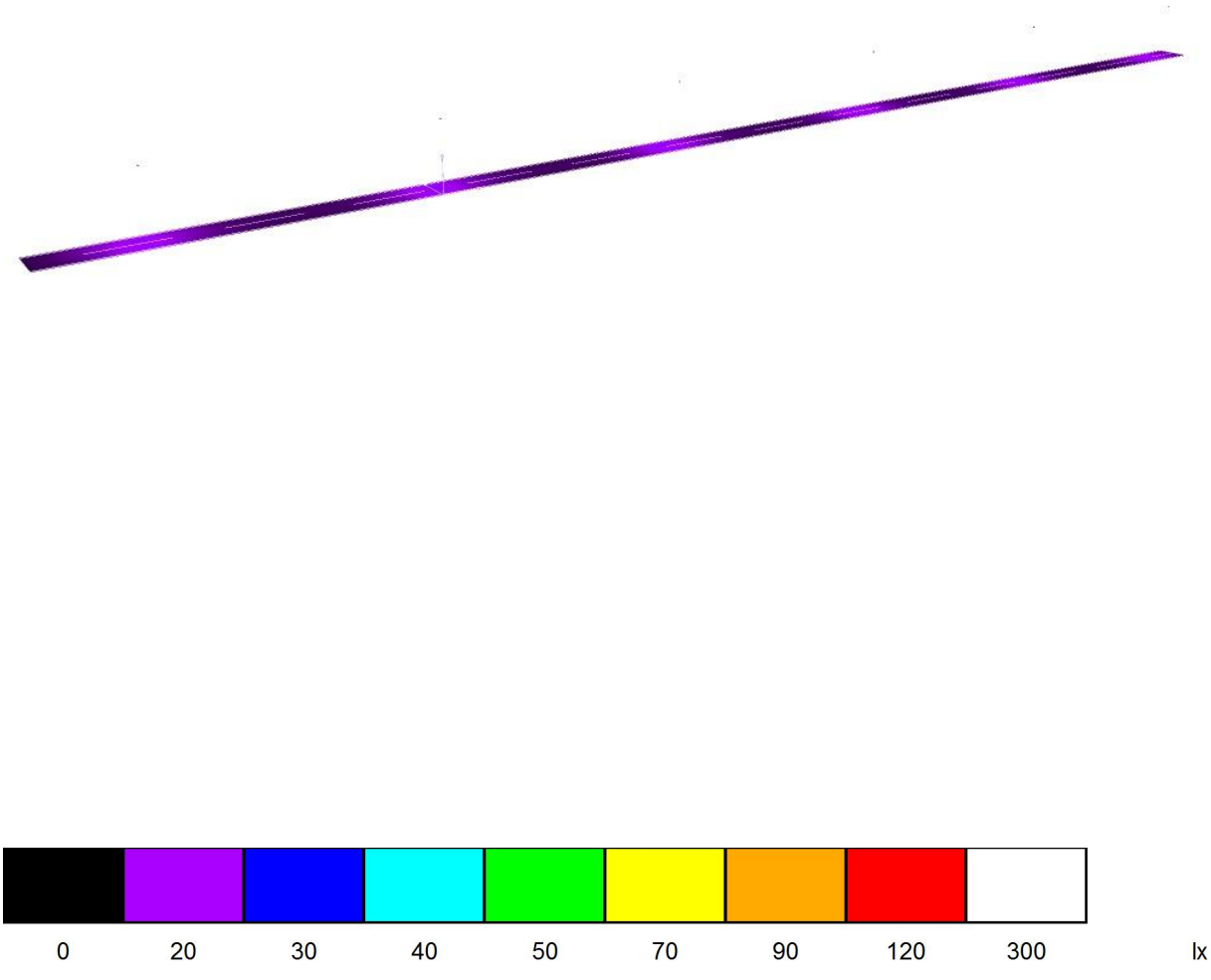
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



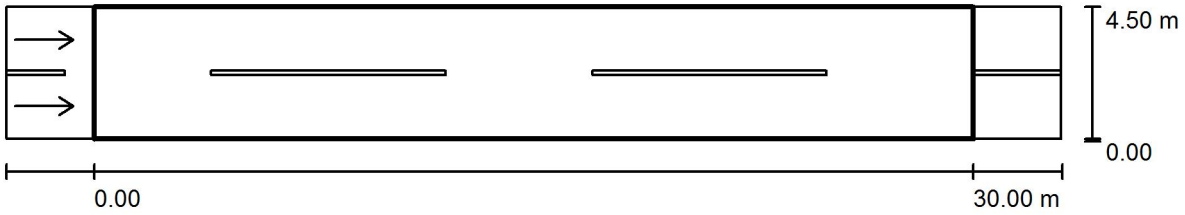
Operator
Telephone
Fax
e-Mail

Silene, Skolas iela / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Silene, Skolas 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.)

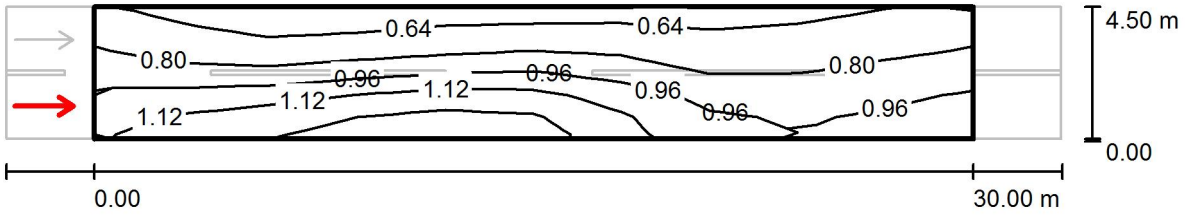
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.89	0.62	0.72	11	0.80
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.125, 1.500)	0.89	0.62	0.72	11
2	Observer 2	(-60.000, 3.375, 1.500)	0.95	0.64	0.84	9

Operator
Telephone
Fax
e-Mail

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



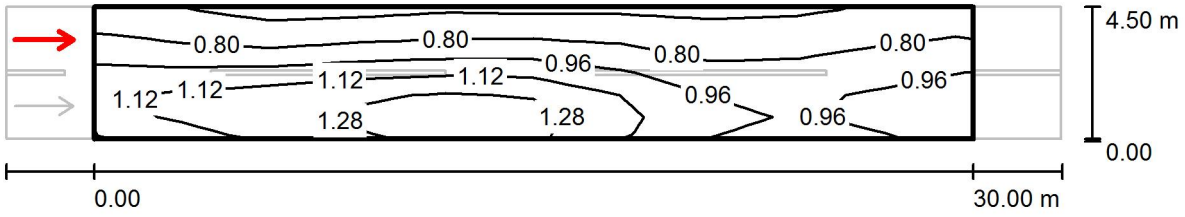
Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 1.125 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.89	0.62	0.72	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Silene, Skolas 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, 3.375 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.95	0.64	0.84	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

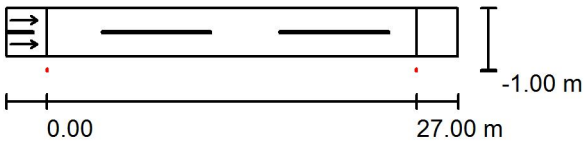
Silene, Dīķu iela / Planning data

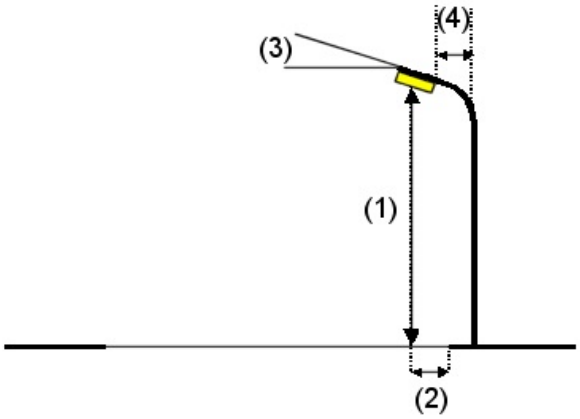
Street Profile

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

Maximum luminous intensities

at 70°:	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.

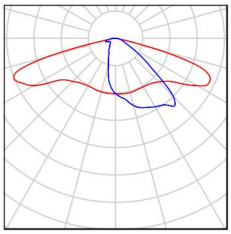
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Silene, Dīķu iela / Luminaire parts list

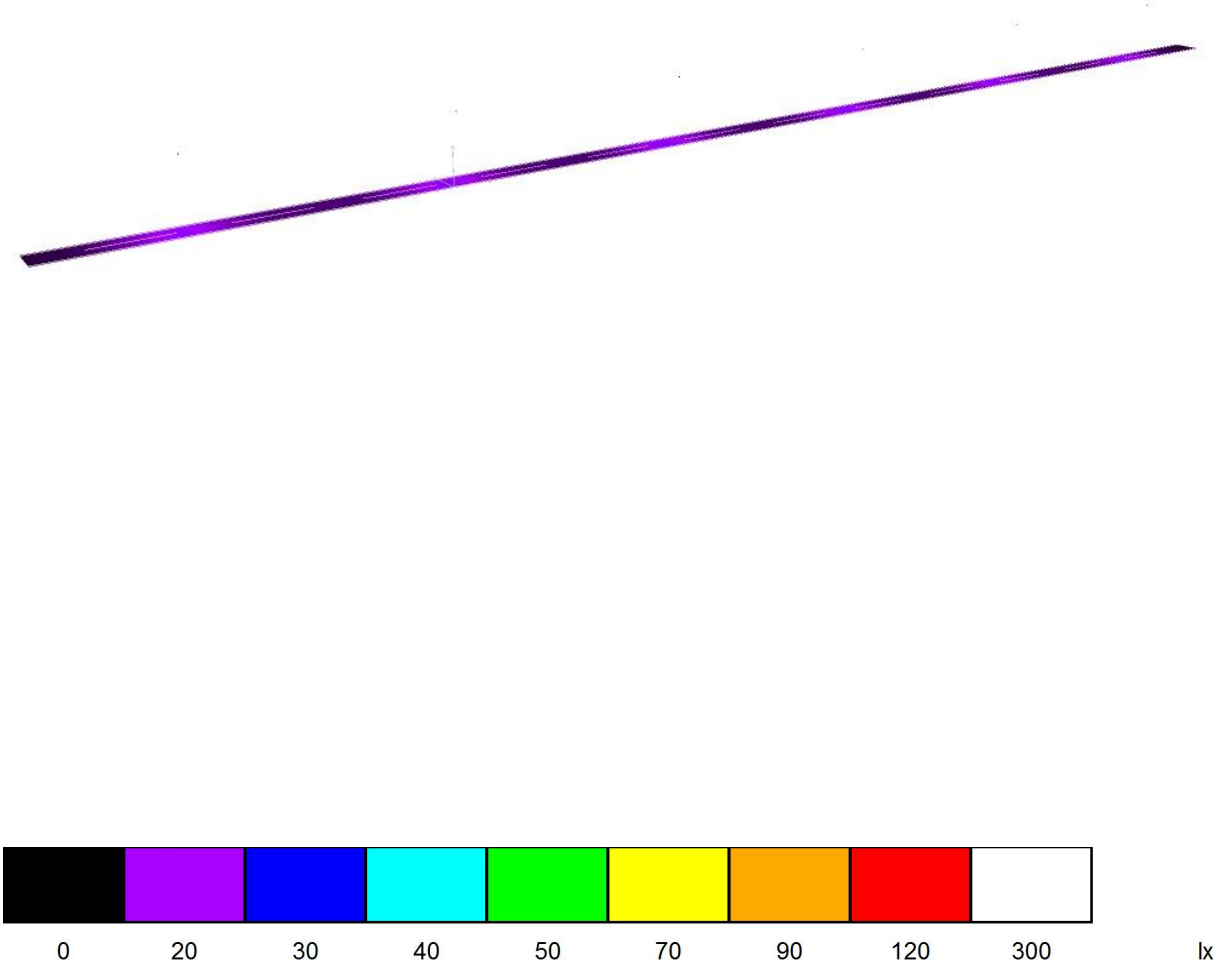
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



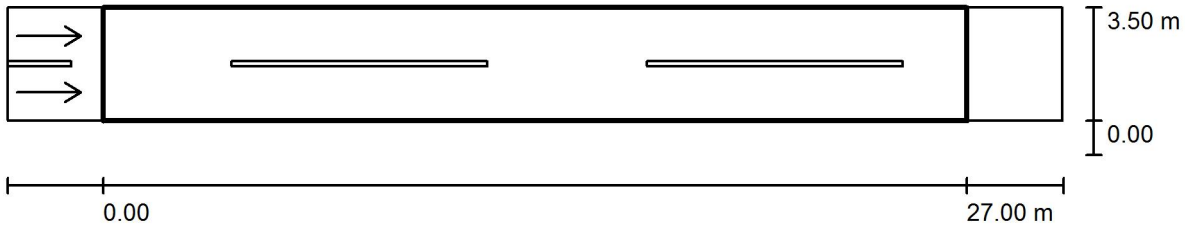
Operator
Telephone
Fax
e-Mail

Silene, Dīķu iela / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Silene, Dīķu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:236

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.)

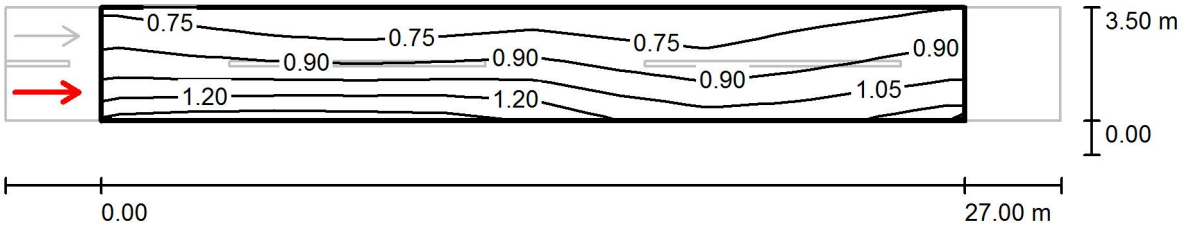
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.93	0.63	0.79	11	0.91
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned Observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 0.875, 1.500)	0.93	0.66	0.81	11
2	Observer 2	(-60.000, 2.625, 1.500)	1.00	0.63	0.79	9

Operator
Telephone
Fax
e-Mail

Silene, Dīķu iela / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



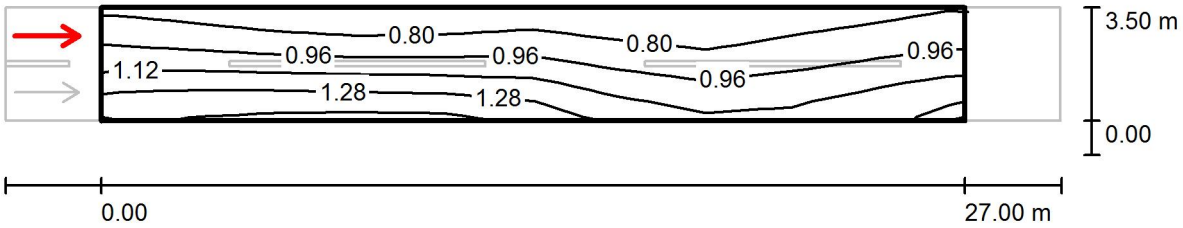
Values in Candela/m², Scale 1 : 236

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 0.875 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.93	0.66	0.81	11
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Silene, Dīķu iela / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 236

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 2.625 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	1.00	0.63	0.79	9
Required values according to class ME5:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

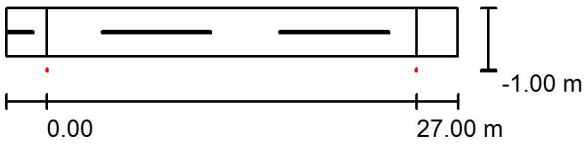
Silene, Teritorija pie skolas (skolas iela 19) / Planning data

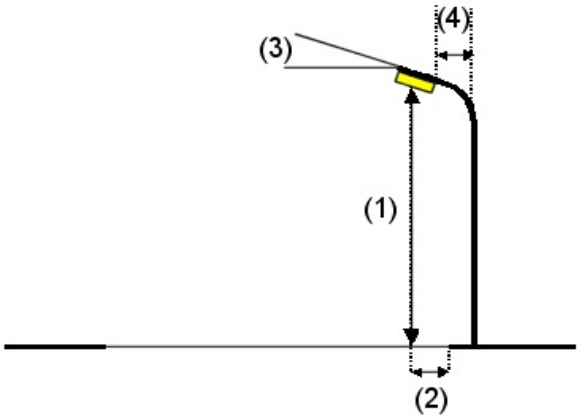
Street Profile

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

Maximum luminous intensities

at 70°:	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.

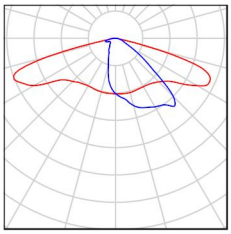
Arrangement complies with glare index class D.4.

Operator
Telephone
Fax
e-Mail

Silene, Teritorija pie skolas (skolas iela 19) / Luminaire parts list

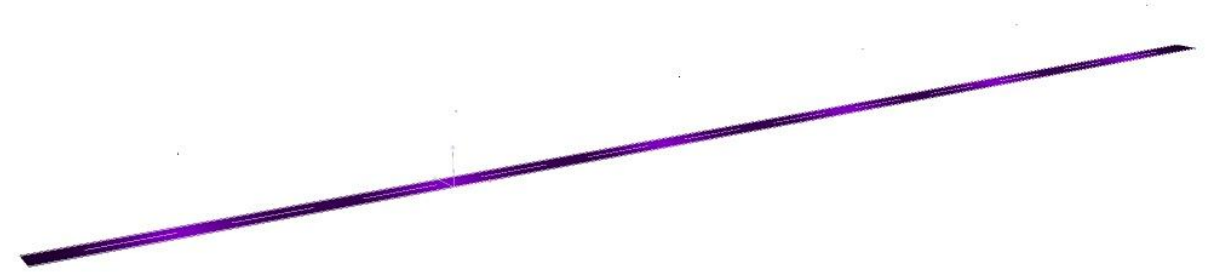
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 0.700).

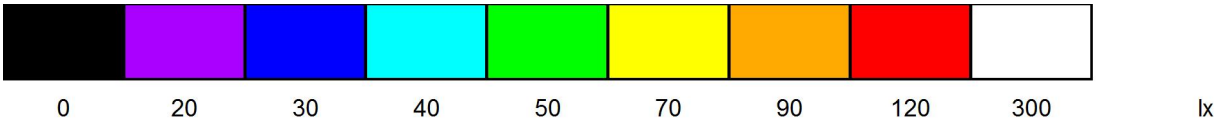
See our luminaire catalog for an image of the luminaire.



Operator
Telephone
Fax
e-Mail

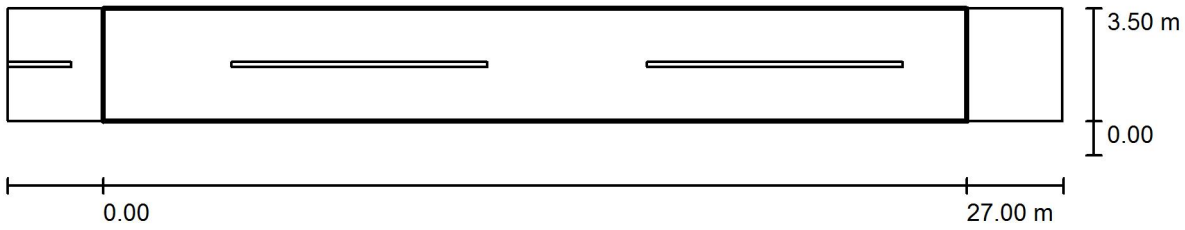
Silene, Teritorija pie skolas (skolas iela 19) / False Colour Rendering





Operator
Telephone
Fax
e-Mail

Silene, Teritorija pie skolas (skolas iela 19) / 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: S3 (All lighting performance requirements are met.)

	E_{av} [lx]	E_{min} [lx]
Calculated values:	9.37	6.30
Required values according to class:	≥ 7.50	≥ 1.50
Fulfilled/Not fulfilled:	✓	✓

Operator
Telephone
Fax
e-Mail

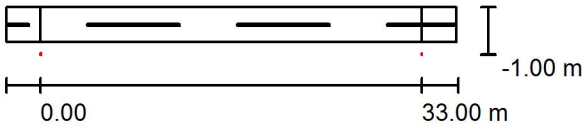
Silene, Austrumu iela / Planning data

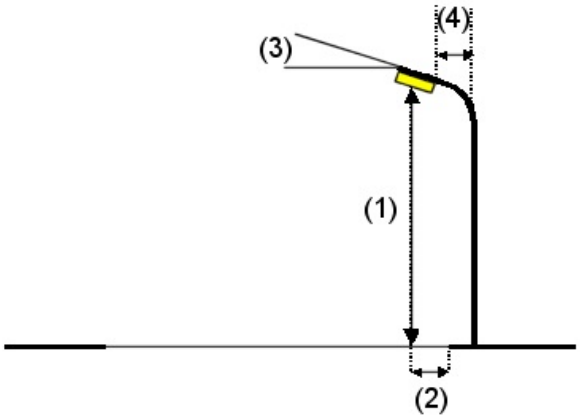
Street Profile

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):	8.000 m
Height:	8.000 m
Overhang (2):	-1.000 m
Boom Angle (3):	10.0 °
Boom Length (4):	1.500 m

Maximum luminous intensities

at 70°:	450 cd/klm
at 80°:	260 cd/klm
at 90°:	29 cd/klm

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

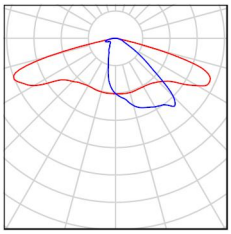
Arrangement complies with glare index class D.3.

Operator
Telephone
Fax
e-Mail

Silene, Austrumu iela / Luminaire parts list

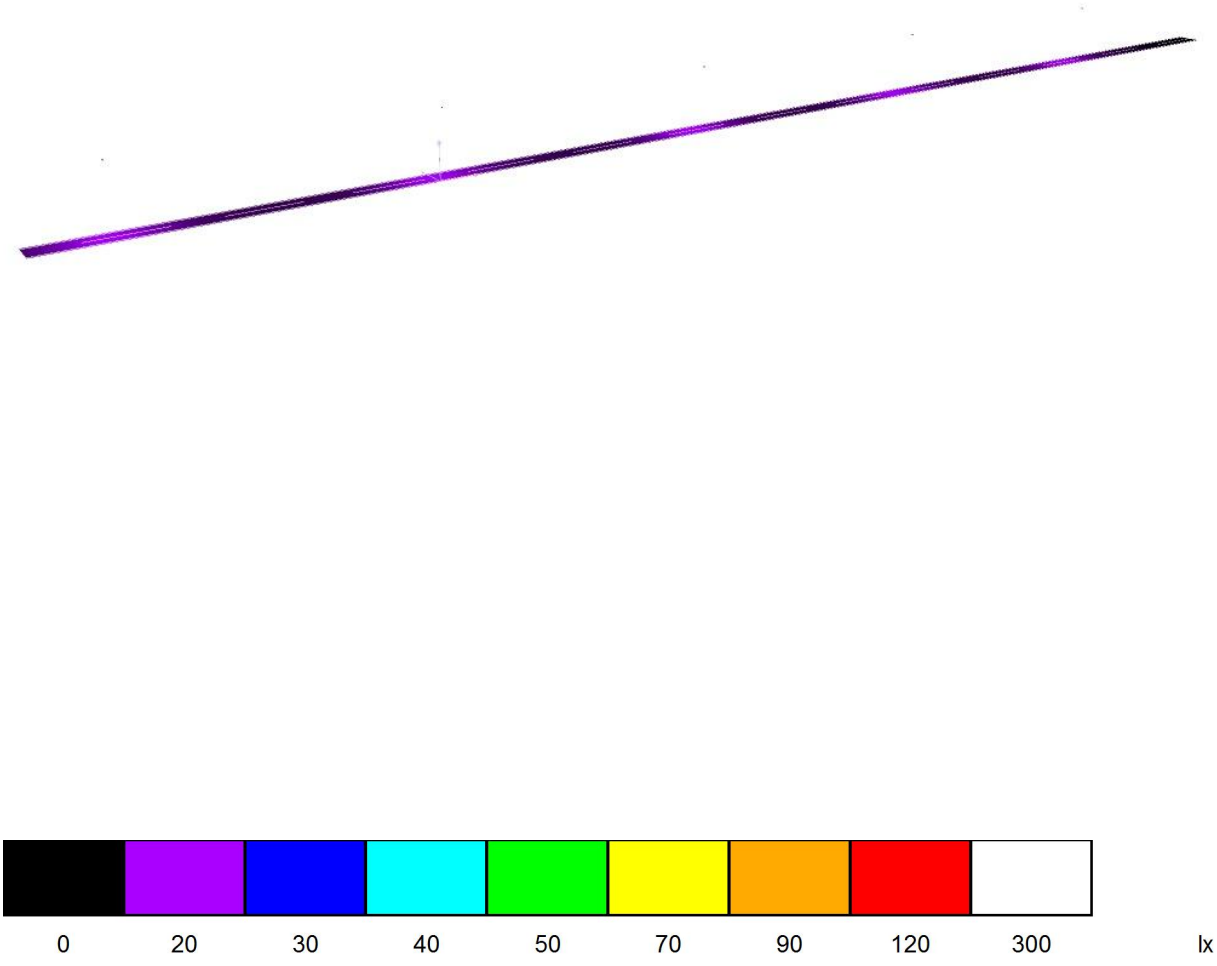
RoadSpark SLIM 60W
Article No.:
Luminous flux (Luminaire): 6072 lm
Luminous flux (Lamps): 7440 lm
Luminaire Wattage: 60.0 W
Luminaire classification according to CIE: 100
CIE flux code: 35 68 94 100 82
Fitting: 1 x Cree XP-G (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



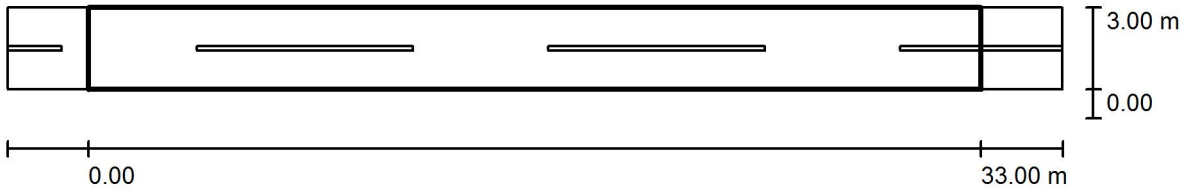
Operator
Telephone
Fax
e-Mail

Silene, Austrumu iela / False Colour Rendering



Operator
Telephone
Fax
e-Mail

Silene, Austrumu iela / Valuation Field Roadway 1 / Results overview



Maintenance factor: 0.85

Scale 1:279

Grid: 11 x 3 Points
Accompanying Street Elements: Roadway 1.
Selected Lighting Class: S3 (All lighting performance requirements are met.)

	E_{av} [lx]	E_{min} [lx]
Calculated values:	10.44	6.03
Required values according to class:	≥ 7.50	≥ 1.50
Fulfilled/Not fulfilled:	✓	✓