

Roadway

Date: 21.04.2021
Operator:



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e-Mail

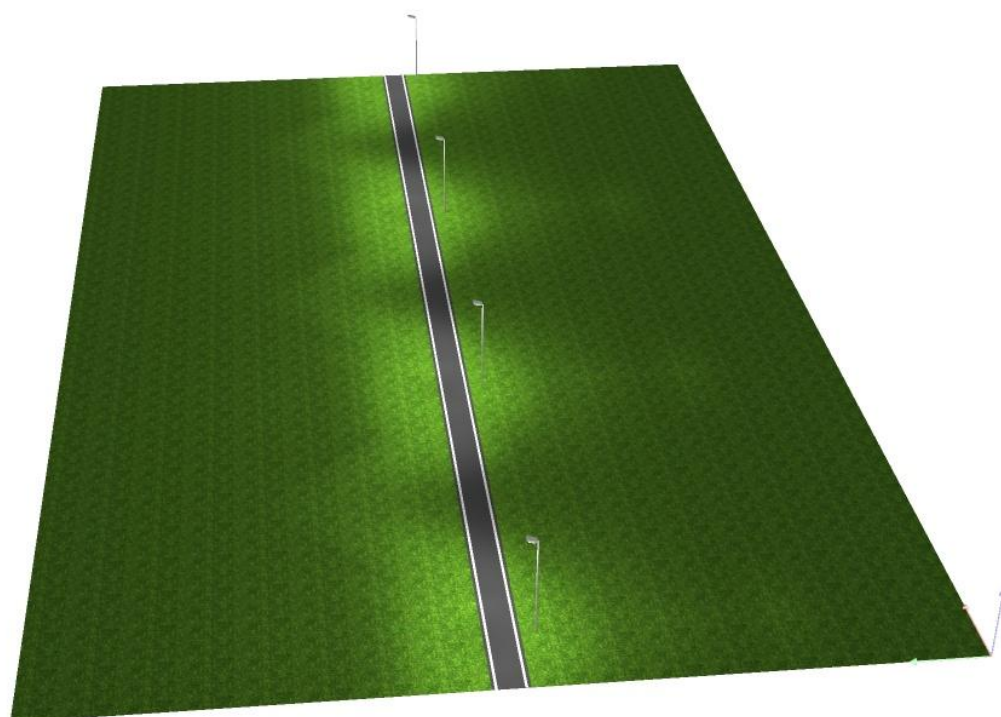
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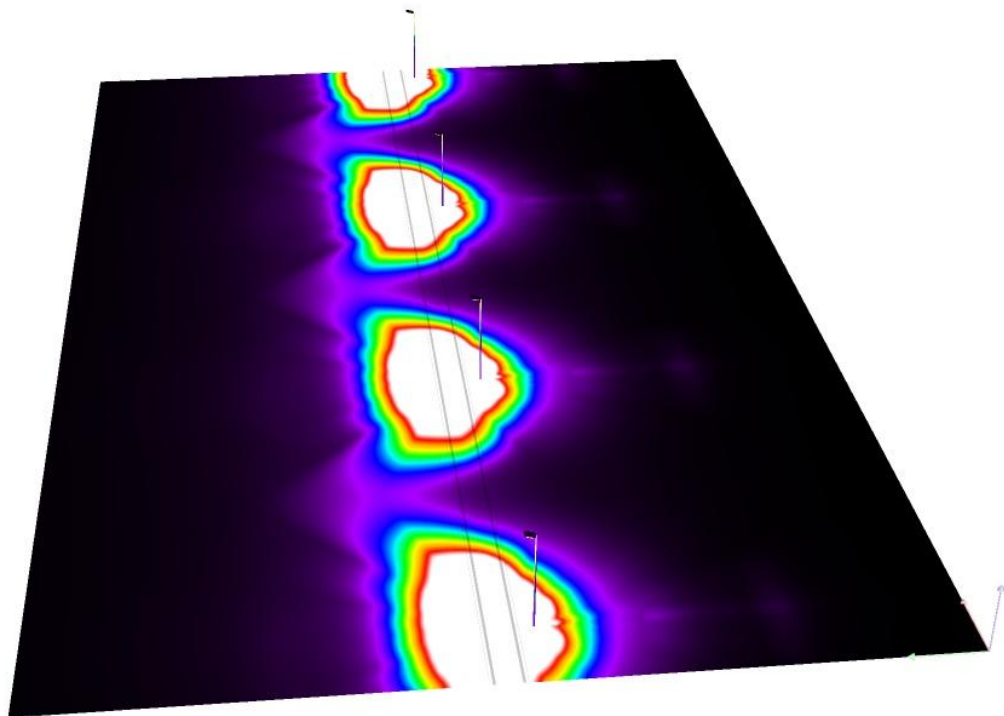
Roadway / 3D Rendering





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Roadway / False Color Rendering



0 1.88 3.75 5.63 7.50 9.38 11.25 13.13 15 lx



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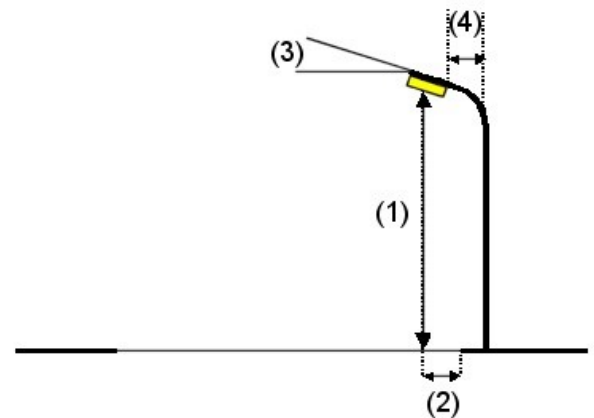
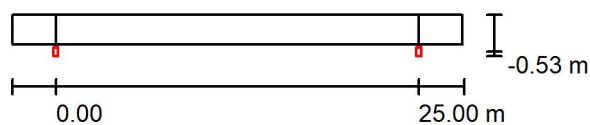
Street 1 / Planning data

Street Profile

Roadway 1 (Width: 2.000 m, Number of lanes: 1, tarmac: R3, q0: 0.070)

Light loss factor: 0.67

Luminaire Arrangements



Luminaire:	LUXMAN LX-LD30W-S3 LED SOLAR STREET LIGHTING
Luminous flux (Luminaire):	4257 lm
Luminous flux (Lamps):	4261 lm
Luminaire Wattage:	30.0 W
Arrangement:	Single row, bottom
Pole Distance:	25.000 m
Mounting Height (1):	6.000 m
Height:	5.903 m
Overhang (2):	-0.500 m
Boom Angle (3):	15.0 °
Boom Length (4):	0.000 m

Maximum luminous intensities

at 70°: 202 cd/klm

at 80°: 63 cd/klm

at 90°: 28 cd/klm

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

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.6.



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Street 1 / Luminaire parts list

LUXMAN LX-LD30W-S3 LED SOLAR STREET LIGHTING

Article No.: LX-LD30W-S3

Luminous flux (Luminaire): 4257 lm

Luminous flux (Lamps): 4261 lm

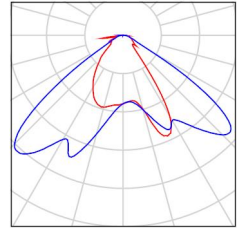
Luminaire Wattage: 30.0 W

Luminaire classification according to CIE: 100

CIE flux code: 58 91 98 100 100

Fitting: 1 x User defined (Correction Factor 1.000).

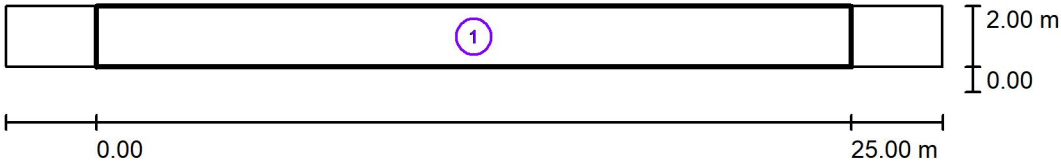
See our luminaire catalog for an image of the luminaire.





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Street 1 / Photometric Results



Light loss factor: 0.67

Scale 1:250

Calculation Field List

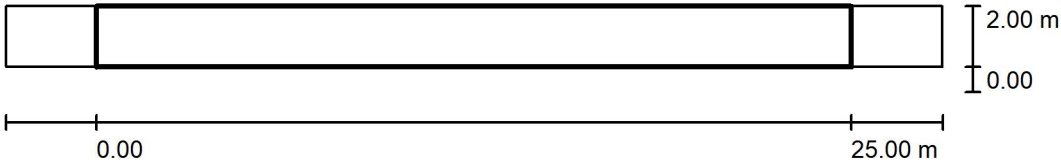
- 1 Valuation Field Roadway 1
Length: 25.000 m, Width: 2.000 m
Grid: 10 x 3 Points
Accompanying Street Elements: Roadway 1.
Selected Lighting Class: A1

E_{av} (hemispherical) [lx]	U0
7.46	0.08



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Street 1 / Valuation Field Roadway 1 / Results overview



Light loss factor: 0.67
Grid: 10 x 3 Points
Accompanying Street Elements: Roadway 1.
Selected Lighting Class: A1

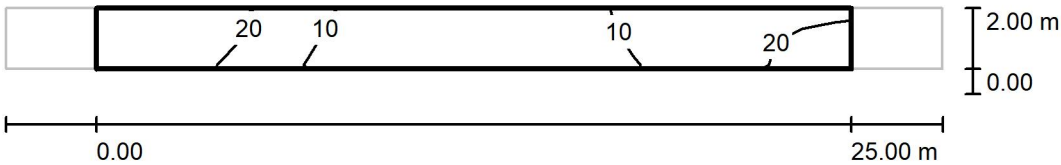
Scale 1:250

E _{av} (hemispherical) [lx]	U0
7.46	0.08



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Street 1 / Valuation Field Roadway 1 / Isolines (E)



Values in Lux, Scale 1 : 250

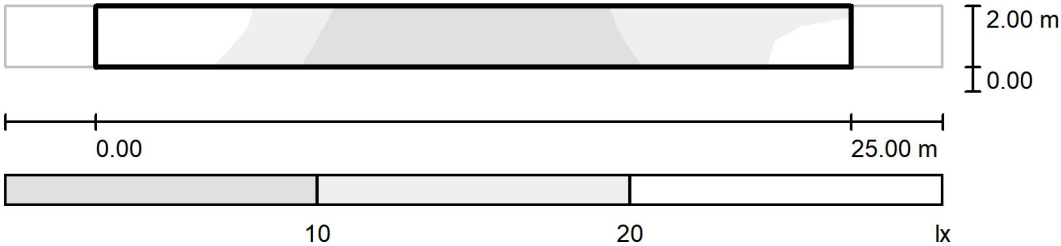
Grid: 10 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
13	0.73	26	0.056	0.028



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Street 1 / Valuation Field Roadway 1 / Greyscale (E)



Scale 1 : 250

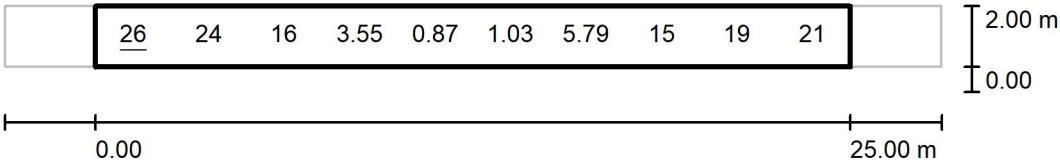
Grid: 10 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
13	0.73	26	0.056	0.028



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Street 1 / Valuation Field Roadway 1 / Value Chart (E)



Not all calculated values could be displayed. Values in Lux, Scale 1 : 250

Grid: 10 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
13	0.73	26	0.056	0.028