Roadway

Customer name:Klong Kwang Sub-district Administration

Organization Location: Moo 2 (Leab Klong-Lakkorn-Chainoi)

Date: 23.06.2020
Operator:

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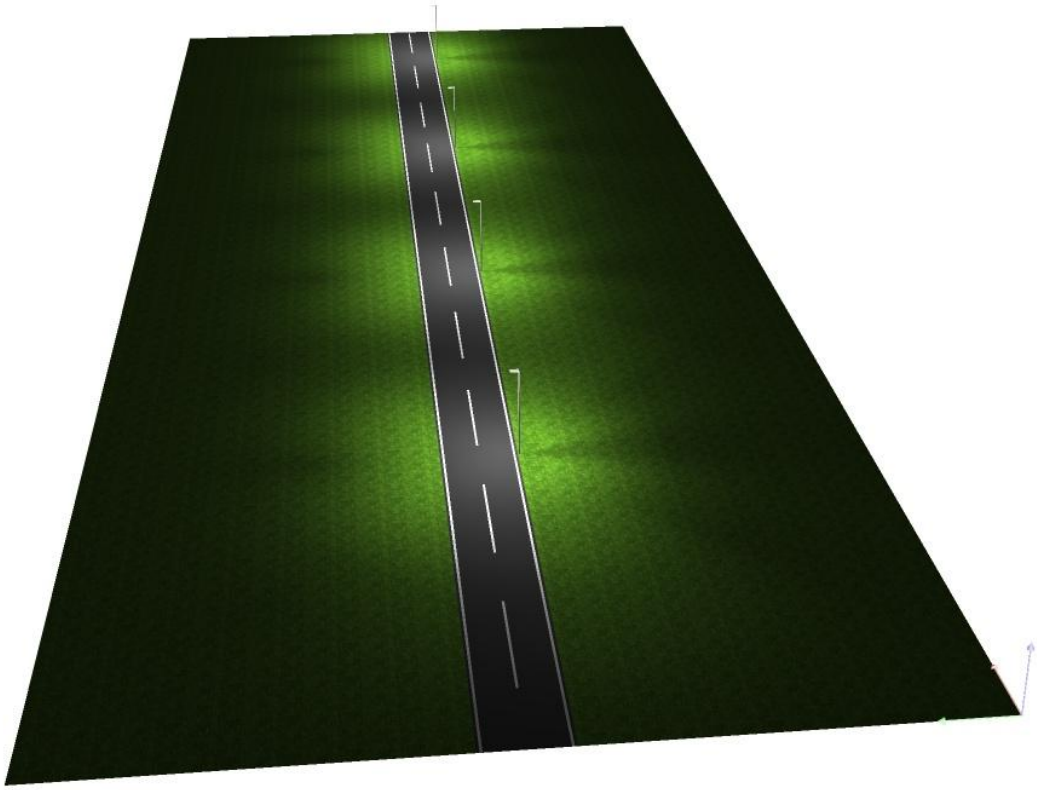
Roadway / 3D Rendering



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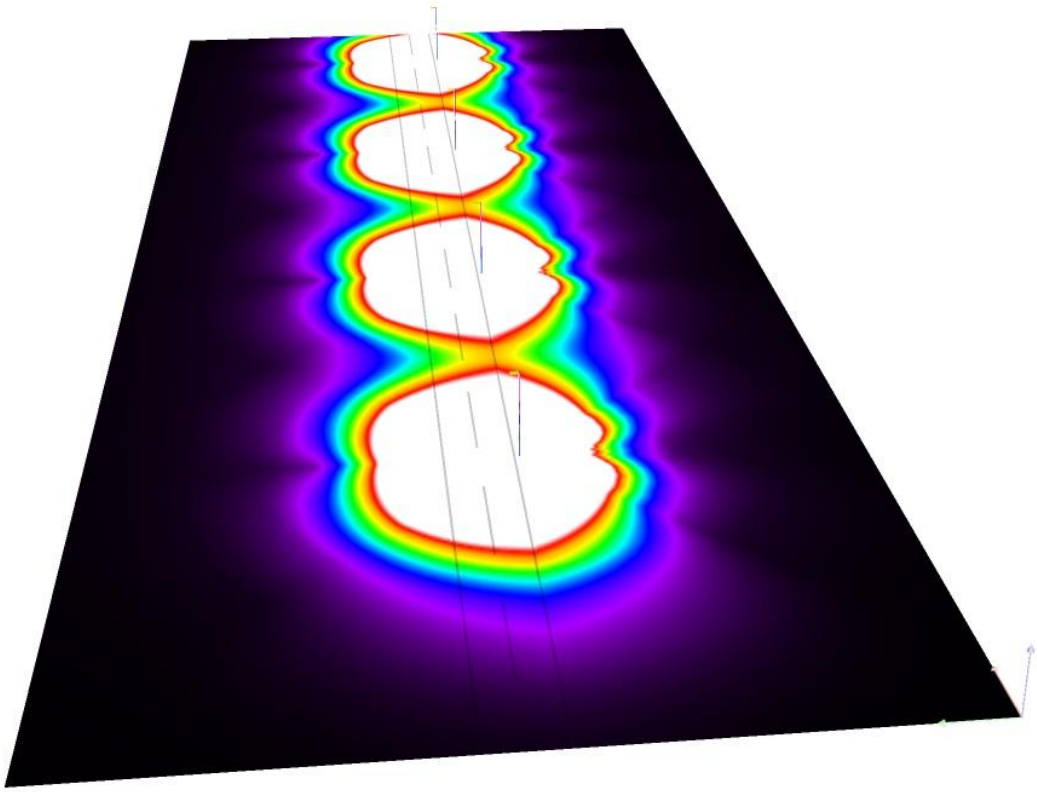
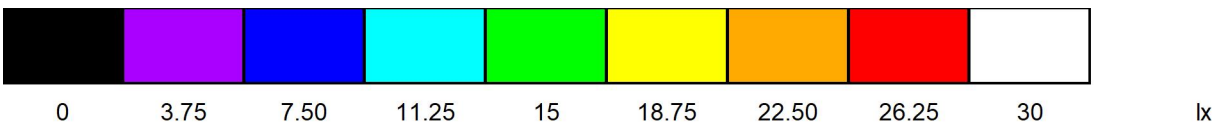
Roadway / False Color Rendering





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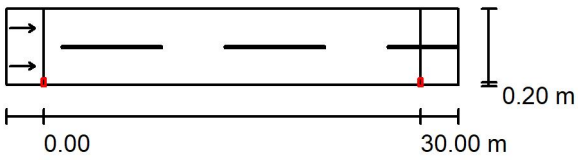
Street 1 / Planning data

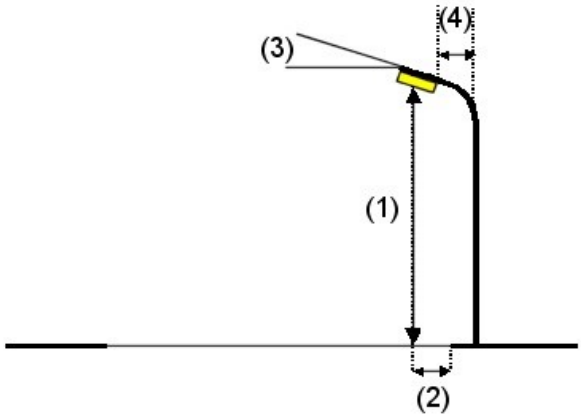
Street Profile

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

Light loss factor: 0.67

Luminaire Arrangements





Luminaire:	MIC Optoelectronic Co.,ltd MSL-D300-300W		
Luminous flux (Luminaire):	44968 lm	Maximum luminous intensities	
Luminous flux (Lamps):	45000 lm	at 70°:	231 cd/klm
Luminaire Wattage:	298.1 W	at 80°:	15 cd/klm
Arrangement:	Single row, bottom	at 90°:	2.74 cd/klm
Pole Distance:	30.000 m	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	
Mounting Height (1):	6.000 m		
Height:	5.920 m	No luminous intensities above 95°.	
Overhang (2):	0.200 m	Arrangement complies with luminous intensity class G5.	
Boom Angle (3):	0.0 °	Arrangement complies with glare index class D.3.	
Boom Length (4):	0.700 m		

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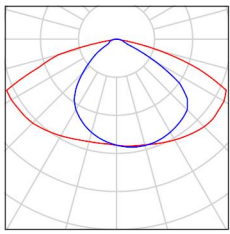
Street 1 / Luminaire parts list

MIC Optoelectronic Co.,ltd MSL-D300-300W (Type 1)
Article No.:
Luminous flux (Luminaire): 44968 lm
Luminous flux (Lamps): 45000 lm
Luminaire Wattage: 298.1 W
Luminaire classification according to CIE: 100
CIE flux code: 43 80 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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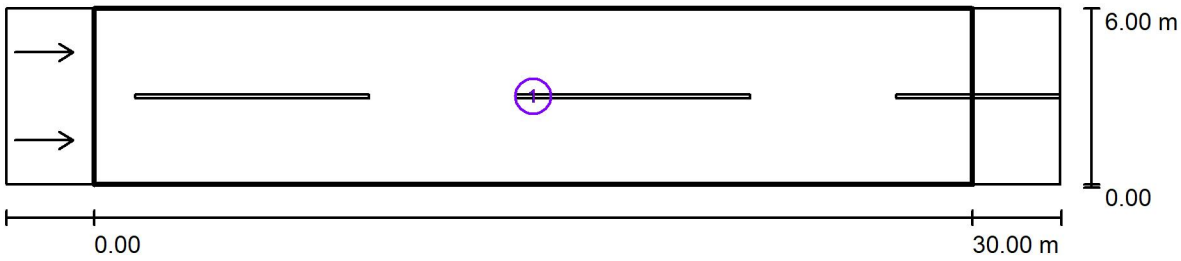
Street 1 / Photometric Results



Light loss factor: 0.67

Scale 1:258

Calculation Field List

1 Valuation Field Roadway 1
Length: 30.000 m, Width: 6.000 m
Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 1.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a

L_{av} [cd/m²]	U0	Ul	TI [%]	SR
4.51	0.26	0.44	16	0.70

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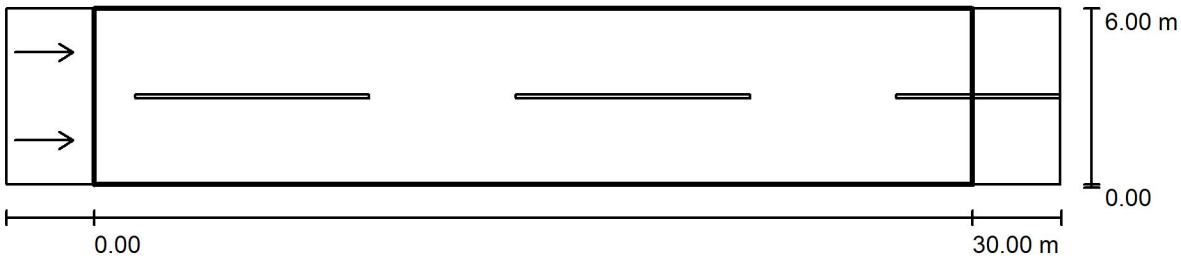
Street 1 / Valuation Field Roadway 1 / Results overview



Light loss factor: 0.67

Scale 1:258

Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 1.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a

L_{av} [cd/m²]	U0	Ul	TI [%]	SR
4.51	0.26	0.44	16	0.70

Assigned observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.500, 1.500)	4.51	0.26	0.47	16
2	Observer 2	(-60.000, 4.500, 1.500)	4.75	0.27	0.44	7

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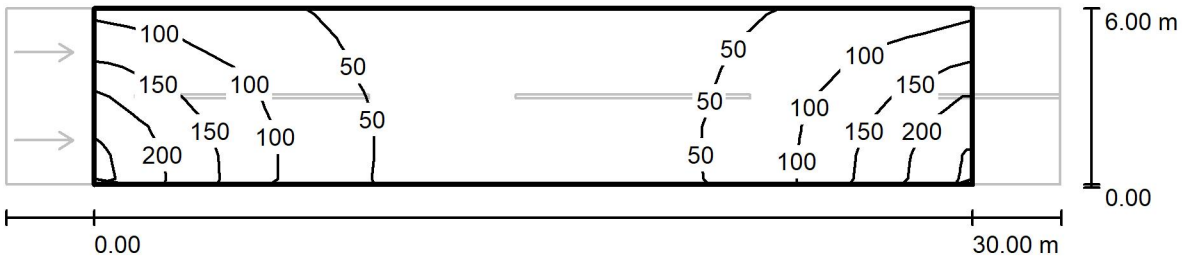
Street 1 / Valuation Field Roadway 1 / Isolines (E)



Values in Lux, Scale 1 : 258

Grid: 10 x 6 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
80	17	227	0.209	0.074

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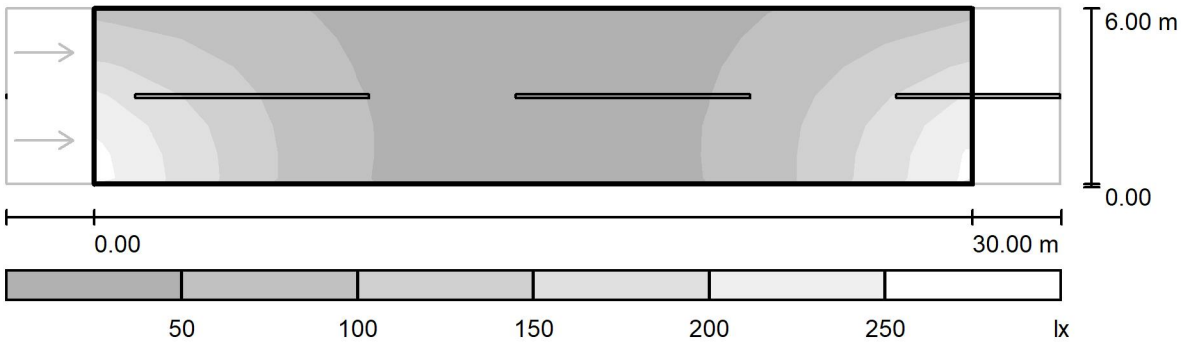
Street 1 / Valuation Field Roadway 1 / Greyscale (E)



Scale 1 : 258

Grid: 10 x 6 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
80	17	227	0.209	0.074

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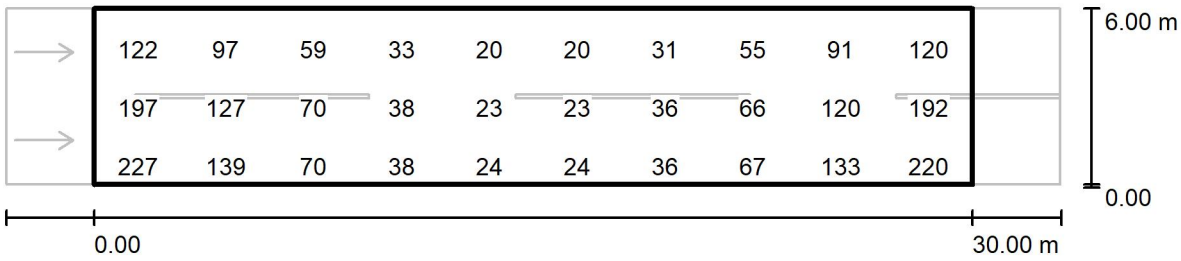
Street 1 / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 6 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
80	17	227	0.209	0.074