

Kursus Lampu Jalan Single sided (Arm 2.5m) 3m

Partner for Contact:

Order No.:

Company:

Customer No.:

Date: 11.03.2021

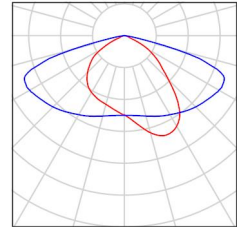
Operator:

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Kursus Lampu Jalan Single sided (Arm 2.5m) 3m / Luminaire parts list

6 Pieces Opulent Solutions Sdn. Bhd. ECOSPARKS
ESLC-170-730-147â€™™63
Article No.:
Luminous flux (Luminaire): 21257 lm
Luminous flux (Lamps): 21257 lm
Luminaire Wattage: 165.3 W
Luminaire classification according to CIE: 100
CIE flux code: 43 79 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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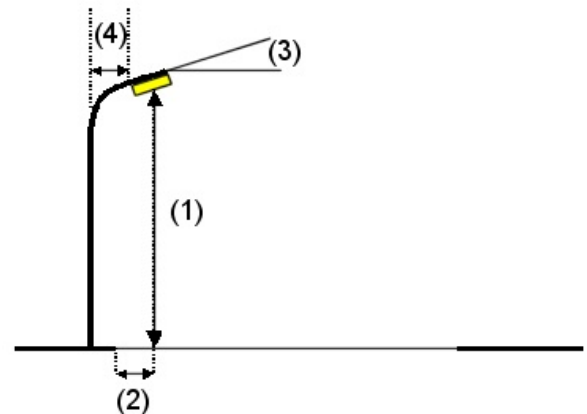
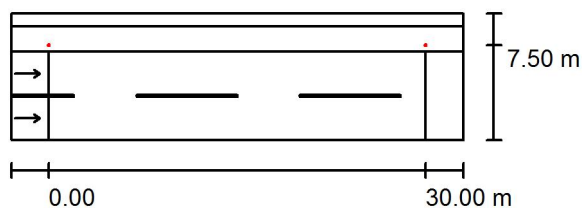
Street 1 / Planning data

Street Profile

Guardrail to pole	(Width: 1.000 m)
Paved Shoulder	(Width: 2.000 m)
Roadway 1	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.80

Luminaire Arrangements



Luminaire:	Opulent Solutions Sdn. Bhd. ECOSPARKS ESLC-170-730-147â€™™63
Luminous flux (Luminaire):	21257 lm
Luminous flux (Lamps):	21257 lm
Luminaire Wattage:	165.3 W
Arrangement:	Single row, top
Pole Distance:	30.000 m
Mounting Height (1):	10.100 m
Height:	10.000 m
Overhang (2):	-0.491 m
Boom Angle (3):	5.0 °
Boom Length (4):	2.500 m

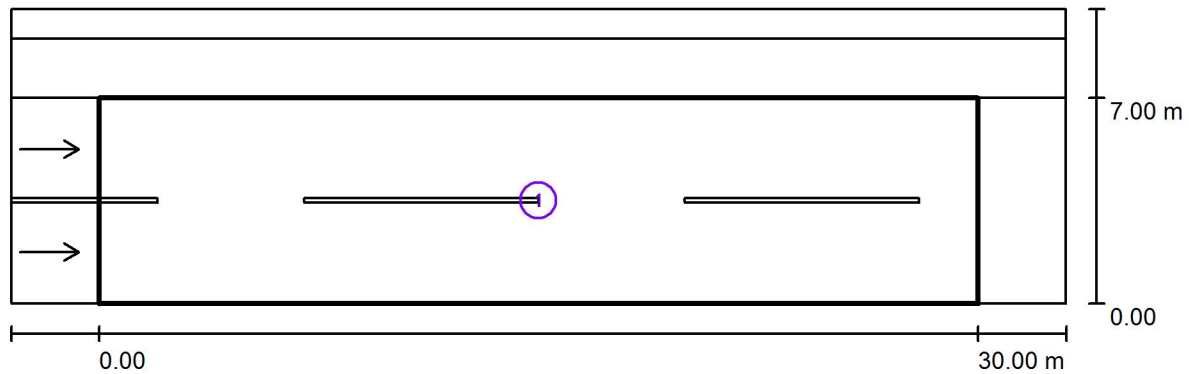
Maximum luminous intensities	
at 70°:	455 cd/klm
at 80°:	112 cd/klm
at 90°:	1.52 cd/klm

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.4.

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Street 1 / Photometric Results



Light loss factor: 0.80

Scale 1:258

Calculation Field List

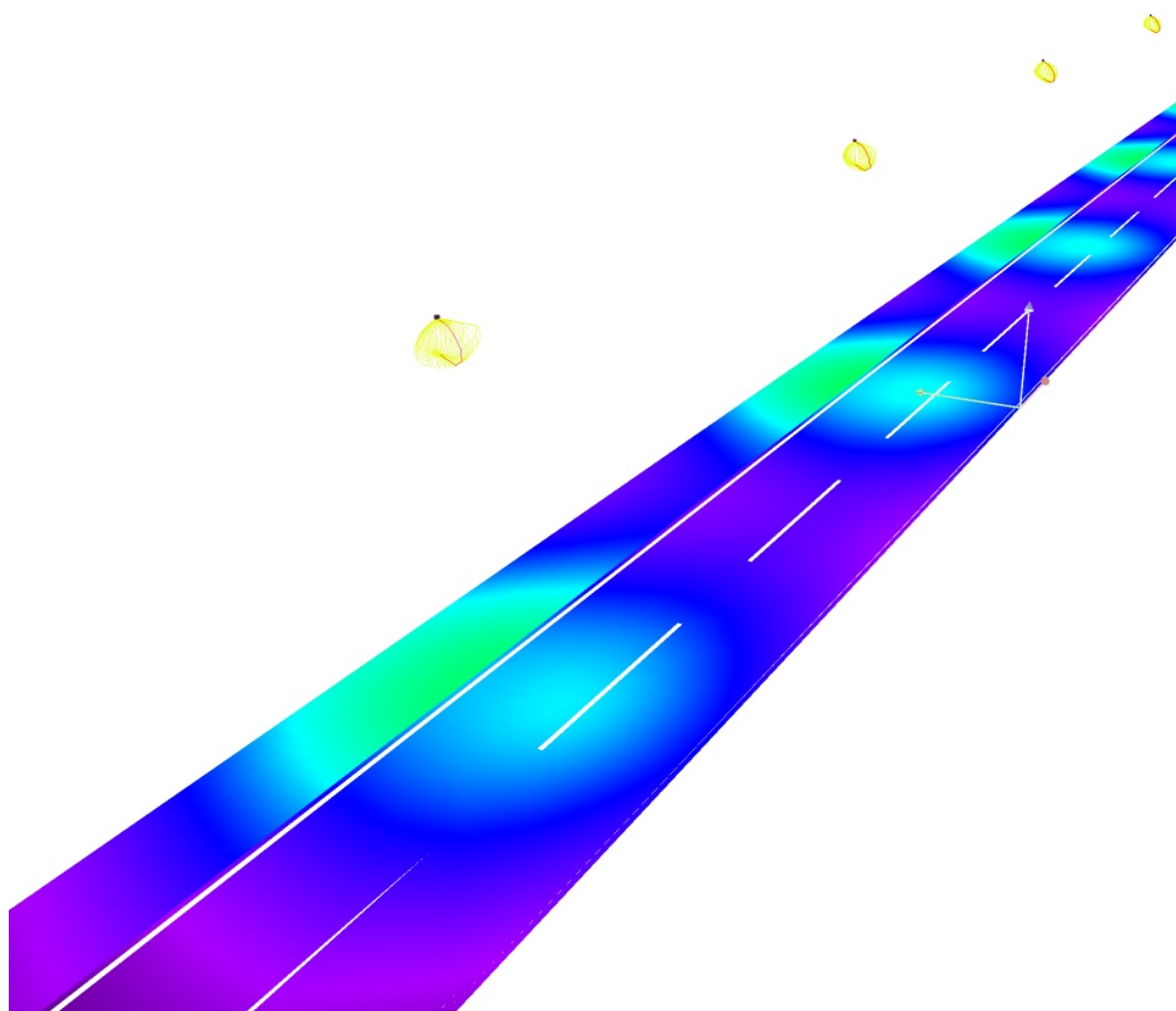
- Valuation Field Roadway 1
Length: 30.000 m, Width: 7.000 m
Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 1.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME2

(All lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.91	0.59	0.85	8	0.73
Required values according to class:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

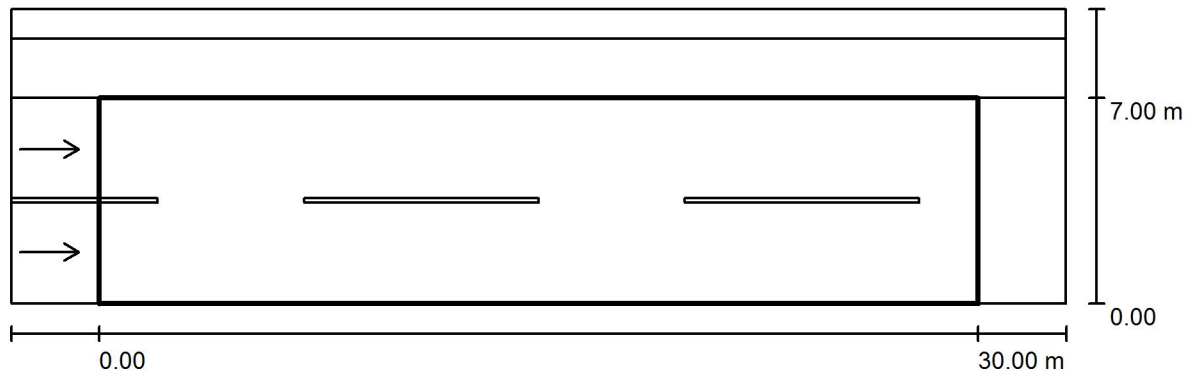
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Street 1 / False Color Rendering



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Street 1 / Valuation Field Roadway 1 / Results overview



Light loss factor: 0.80

Scale 1:258

Grid: 10 x 6 Points

Accompanying Street Elements: Roadway 1.

tarmac: R3, q0: 0.070

Selected Lighting Class: ME2

(All lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.91	0.59	0.85	8	0.73
Required values according to class:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 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, 1.750, 1.500)	2.09	0.59	0.85	7
2	Observer 2	(-60.000, 5.250, 1.500)	1.91	0.59	0.94	8

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



6.417	45	39	31	24	<u>20</u>	<u>20</u>	24	31	39	45
5.250	46	41	32	25	22	22	25	32	41	46
4.083	<u>47</u>	41	33	26	23	23	26	33	41	<u>47</u>
2.917	45	39	32	26	23	23	26	32	39	45
1.750	41	36	30	24	22	22	24	30	36	41
0.583	35	31	26	22	<u>20</u>	<u>20</u>	22	26	31	35
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500

Attention: The coordinates refer to the image above. Values in Lux.

Grid: 10 x 6 Points

E_{av} [lx]
32

E_{min} [lx]
20

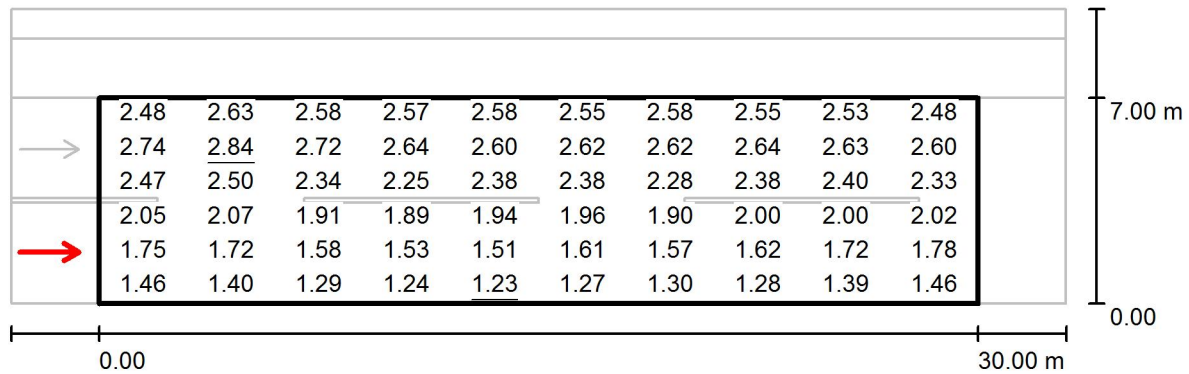
E_{max} [lx]
47

u_0
0.626

E_{min} / E_{max}
0.420

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Street 1 / Valuation Field Roadway 1 / Observer 1 / Value Chart (L)



Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 1.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	2.09	0.59	0.85	7
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Street 1 / Valuation Field Roadway 1 / Observer 1 / Table (L)



6.417	2.48	2.63	2.58	2.57	2.58	2.55	2.58	2.55	2.53	2.48
5.250	2.74	2.84	2.72	2.64	2.60	2.62	2.62	2.64	2.63	2.60
4.083	2.47	2.50	2.34	2.25	2.38	2.38	2.28	2.38	2.40	2.33
2.917	2.05	2.07	1.91	1.89	1.94	1.96	1.90	2.00	2.00	2.02
1.750	1.75	1.72	1.58	1.53	1.51	1.61	1.57	1.62	1.72	1.78
0.583	1.46	1.40	1.29	1.24	1.23	1.27	1.30	1.28	1.39	1.46
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500

Attention: The coordinates refer to the image above. Values in Candela/m².

Grid: 10 x 6 Points

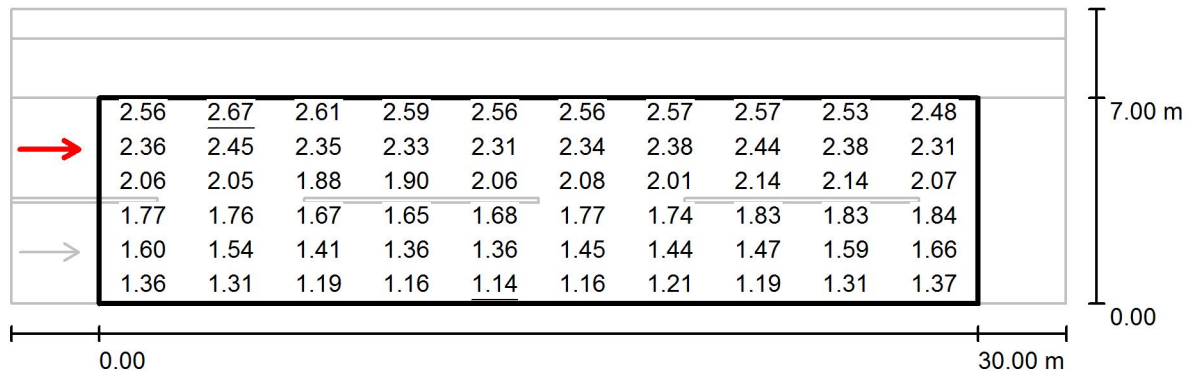
Observer Position: (-60.000 m, 1.750 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	2.09	0.59	0.85	7
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:				

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Street 1 / Valuation Field Roadway 1 / Observer 2 / Value Chart (L)



Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 5.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.91	0.59	0.94	8
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Street 1 / Valuation Field Roadway 1 / Observer 2 / Table (L)



6.417	2.56	2.67	2.61	2.59	2.56	2.56	2.57	2.57	2.53	2.48
5.250	2.36	2.45	2.35	2.33	2.31	2.34	2.38	2.44	2.38	2.31
4.083	2.06	2.05	1.88	1.90	2.06	2.08	2.01	2.14	2.14	2.07
2.917	1.77	1.76	1.67	1.65	1.68	1.77	1.74	1.83	1.83	1.84
1.750	1.60	1.54	1.41	1.36	1.36	1.45	1.44	1.47	1.59	1.66
0.583	1.36	1.31	1.19	1.16	1.14	1.16	1.21	1.19	1.31	1.37
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500

Attention: The coordinates refer to the image above. Values in Candela/m².

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 5.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	1.91	0.59	0.94	8
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:				