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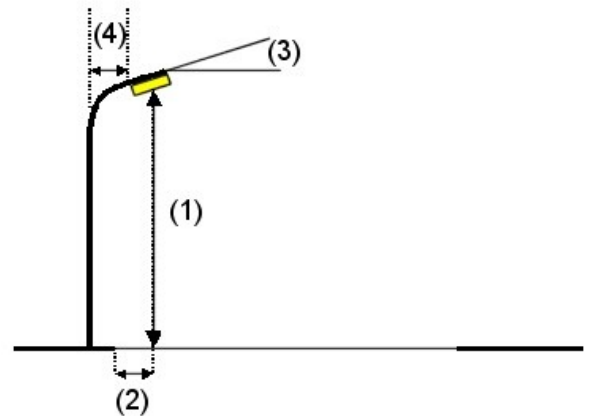
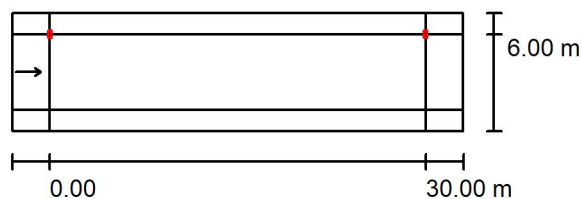
Iecirknis 1 / Planning data

Street Profile

Sidewalk 1 (Width: 1.650 m)
Roadway 1 (Width: 6.000 m, Number of lanes: 1, tarmac: R3, q0: 0.070)
Sidewalk 2 (Width: 1.700 m)

Maintenance factor: 0.80

Luminaire Arrangements



Luminaire:	LUG LIGHT FACTORY 130222.5L072.031 3932_1_2 URBINO 36 LED 740 O4	
Luminous flux (Luminaire):	8450 lm	Maximum luminous intensities
Luminous flux (Lamps):	8450 lm	at 70°: 327 cd/klm
Luminaire Wattage:	84.0 W	at 80°: 41 cd/klm
Arrangement:	Single row, top	at 90°: 0.00 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):	8.000 m	No luminous intensities above 95°.
Height:	7.900 m	Arrangement complies with luminous intensity class G6.
Overhang (2):	0.000 m	Arrangement complies with glare index class D.6.
Boom Angle (3):	0.0 °	
Boom Length (4):	1.500 m	

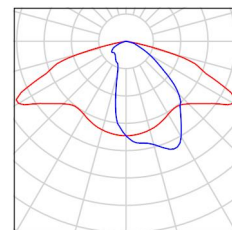


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Iecirknis 1 / Luminaire parts list

LUG LIGHT FACTORY 130222.5L072.031
3932_1_2 URBINO 36 LED 740 O4
Article No.: 130222.5L072.031
Luminous flux (Luminaire): 8450 lm
Luminous flux (Lamps): 8450 lm
Luminaire Wattage: 84.0 W
Luminaire classification according to CIE: 100
CIE flux code: 41 76 97 100 100
Fitting: 1 x LED 4000K (Correction Factor 1.000).

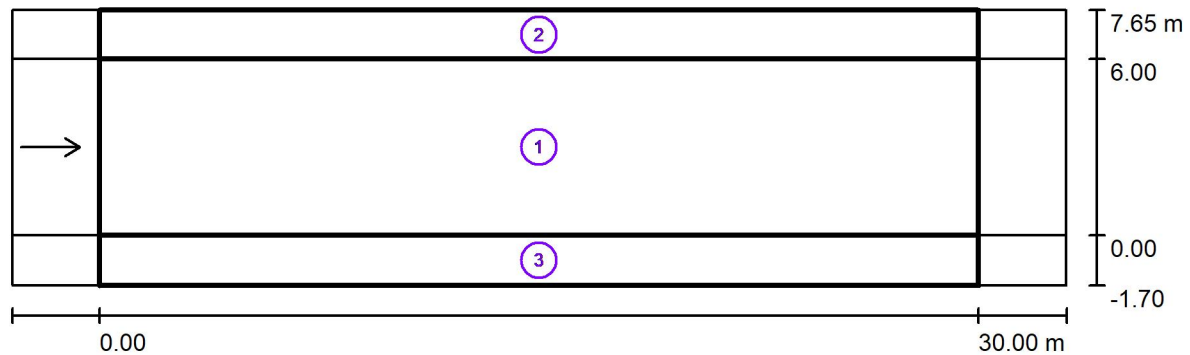
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Iecirknis 1 / Photometric Results



Maintenance factor: 0.80

Scale 1:258

Calculation Field List

- 1 Valuation Field Roadway 1
Length: 30.000 m, Width: 6.000 m
Grid: 10 x 3 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:	1.13	0.54	0.65	7	0.59
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓



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Iecirknis 1 / Photometric Results

Calculation Field List

- 2 Valuation Field Sidewalk 1
Length: 30.000 m, Width: 1.650 m
Grid: 10 x 3 Points
Accompanying Street Elements: Sidewalk 1.
Selected Lighting Class: CE5 (All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	15.95	0.53
Required values according to class:	≥ 7.50	≥ 0.40
Fulfilled/Not fulfilled:	✓	✓

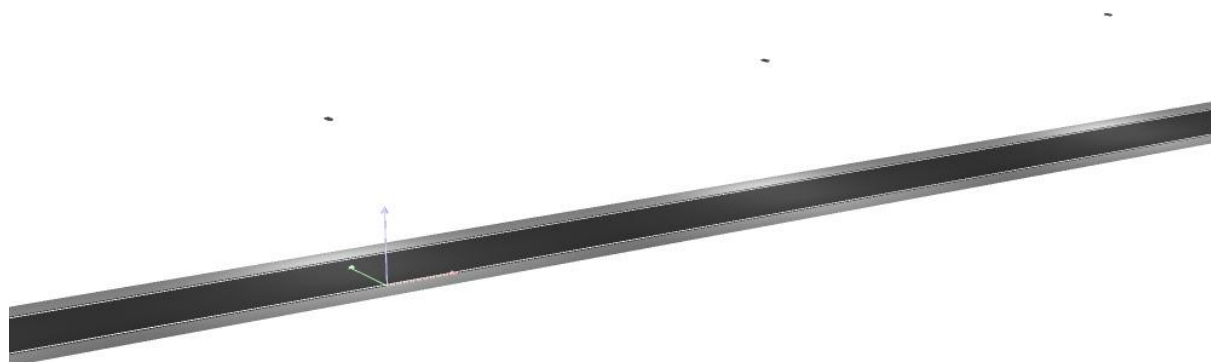
- 3 Valuation Field Sidewalk 2
Length: 30.000 m, Width: 1.700 m
Grid: 10 x 3 Points
Accompanying Street Elements: Sidewalk 2.
Selected Lighting Class: CE5 (All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	10.47	0.59
Required values according to class:	≥ 7.50	≥ 0.40
Fulfilled/Not fulfilled:	✓	✓



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Iecirknis 1 / 3D Rendering



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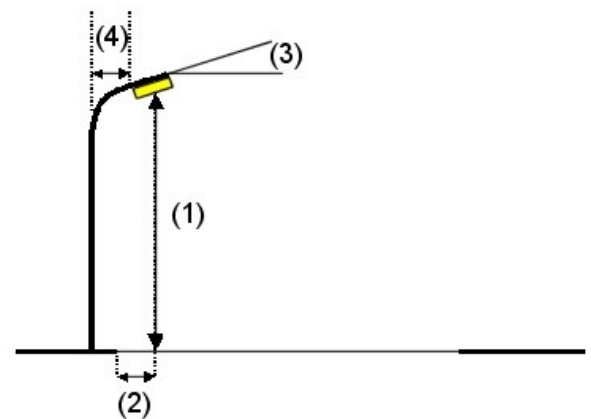
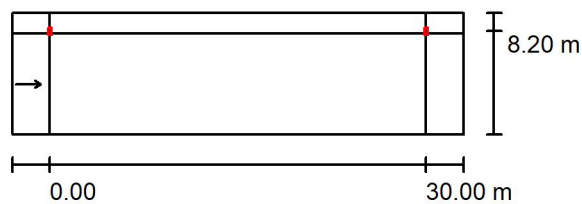
Iecirknis 2 / Planning data

Street Profile

Sidewalk 1 (Width: 1.650 m)
Roadway 1 (Width: 8.000 m, Number of lanes: 1, tarmac: R3, q0: 0.070)

Maintenance factor: 0.80

Luminaire Arrangements



Luminaire:	LUG LIGHT FACTORY 130222.5L072.031 3932_1_2 URBINO 36 LED 740 O4
Luminous flux (Luminaire):	8450 lm
Luminous flux (Lamps):	8450 lm
Luminaire Wattage:	84.0 W
Arrangement:	Single row, top
Pole Distance:	30.000 m
Mounting Height (1):	8.000 m
Height:	7.900 m
Overhang (2):	-0.200 m
Boom Angle (3):	0.0 °
Boom Length (4):	1.500 m
	Maximum luminous intensities
	at 70°: 327 cd/klm
	at 80°: 41 cd/klm
	at 90°: 0.00 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 G6.
	Arrangement complies with glare index class D.6.

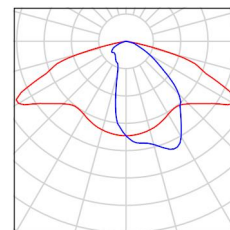


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Iecirknis 2 / Luminaire parts list

LUG LIGHT FACTORY 130222.5L072.031
3932_1_2 URBINO 36 LED 740 O4
Article No.: 130222.5L072.031
Luminous flux (Luminaire): 8450 lm
Luminous flux (Lamps): 8450 lm
Luminaire Wattage: 84.0 W
Luminaire classification according to CIE: 100
CIE flux code: 41 76 97 100 100
Fitting: 1 x LED 4000K (Correction Factor 1.000).

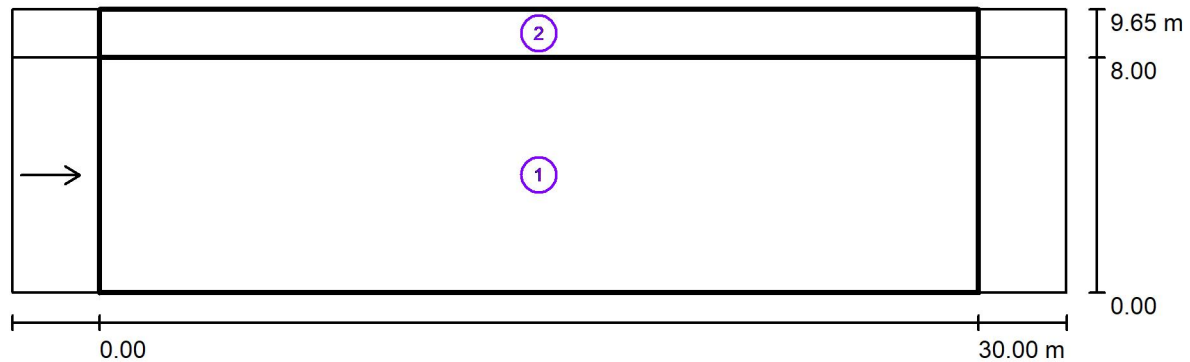
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Iecirknis 2 / Photometric Results



Maintenance factor: 0.80

Scale 1:258

Calculation Field List

- 1 Valuation Field Roadway 1
Length: 30.000 m, Width: 8.000 m
Grid: 10 x 3 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:	0.96	0.43	0.65	6	0.50
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓



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Iecirknis 2 / Photometric Results

Calculation Field List

- 2 Valuation Field Sidewalk 1
Length: 30.000 m, Width: 1.650 m
Grid: 10 x 3 Points
Accompanying Street Elements: Sidewalk 1.
Selected Lighting Class: CE5 (All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	16.73	0.52
Required values according to class:	≥ 7.50	≥ 0.40
Fulfilled/Not fulfilled:	✓	✓



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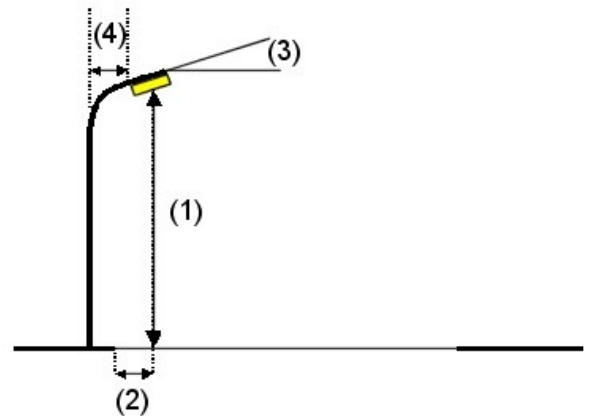
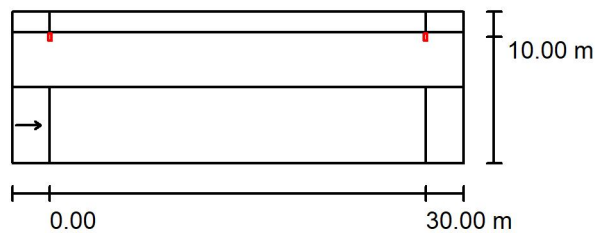
Iecirknis 3 / Planning data

Street Profile

Sidewalk 1 (Width: 1.650 m)
Lay-by 1 (Width: 4.350 m)
Roadway 1 (Width: 6.000 m, Number of lanes: 1, tarmac: R3, q0: 0.070)

Maintenance factor: 0.80

Luminaire Arrangements



Luminaire:	LUG LIGHT FACTORY 130222.5L072.031 3932_1_2 URBINO 36 LED 740 O4	
Luminous flux (Luminaire):	8450 lm	Maximum luminous intensities
Luminous flux (Lamps):	8450 lm	at 70°: 327 cd/klm
Luminaire Wattage:	84.0 W	at 80°: 41 cd/klm
Arrangement:	Single row, top	at 90°: 0.00 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):	8.100 m	No luminous intensities above 95°.
Height:	8.000 m	Arrangement complies with luminous intensity class G6.
Overhang (2):	-4.000 m	Arrangement complies with glare index class D.6.
Boom Angle (3):	0.0 °	
Boom Length (4):	1.500 m	

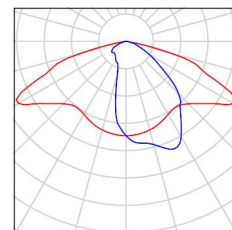


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Iecirknis 3 / Luminaire parts list

LUG LIGHT FACTORY 130222.5L072.031
3932_1_2 URBINO 36 LED 740 O4
Article No.: 130222.5L072.031
Luminous flux (Luminaire): 8450 lm
Luminous flux (Lamps): 8450 lm
Luminaire Wattage: 84.0 W
Luminaire classification according to CIE: 100
CIE flux code: 41 76 97 100 100
Fitting: 1 x LED 4000K (Correction Factor 1.000).

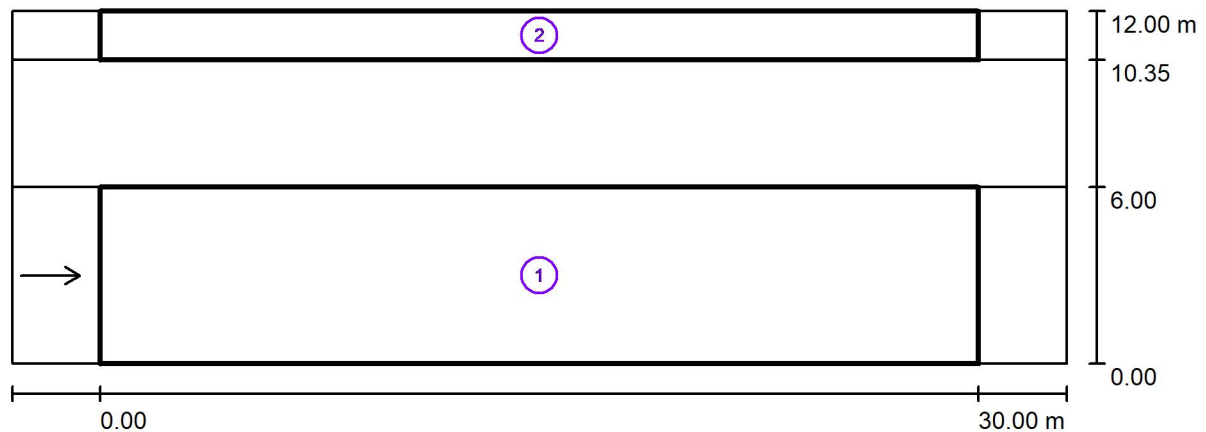
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Iecirknis 3 / Photometric Results



Maintenance factor: 0.80

Scale 1:258

Calculation Field List

- 1 Valuation Field Roadway 1
Length: 30.000 m, Width: 6.000 m
Grid: 10 x 3 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:	0.51	0.48	0.81	6	1.06
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓



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Iecirknis 3 / Photometric Results

Calculation Field List

- 2 Valuation Field Sidewalk 1
Length: 30.000 m, Width: 1.650 m
Grid: 10 x 3 Points
Accompanying Street Elements: Sidewalk 1.
Selected Lighting Class: CE5 (All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	14.21	0.52
Required values according to class:	≥ 7.50	≥ 0.40
Fulfilled/Not fulfilled:	✓	✓



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Iecirknis 3 / 3D Rendering

