

Seccion Tipo Vial B

Lamps: LED 70W-5050T3

Distance: 50m

Double row, offset

Lamps Height: 8m

Date: 24.02.2022

Operator:



Operator
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e-Mail

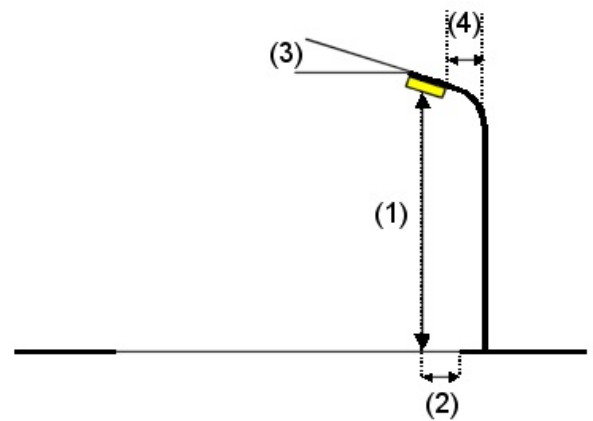
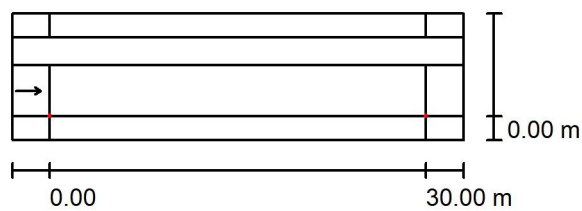
Calle 1 / Planning data

Street Profile

Camino peatonal 1	(Width: 1.900 m)
Carril de estacionamiento 1	(Width: 2.200 m)
Calzada 1	(Width: 4.000 m, Number of lanes: 1, tarmac: R3, q0: 0.070)
Camino peatonal 2	(Width: 1.900 m)

Light loss factor: 0.85

Luminaire Arrangements



Luminaire:	70W 5050 T3D
Luminous flux (Luminaire):	12922 lm
Luminous flux (Lamps):	12923 lm
Luminaire Wattage:	70.1 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):	22.0 °
Boom Length (4):	0.000 m

Maximum luminous intensities

at 70°:	423 cd/klm
at 80°:	242 cd/klm
at 90°:	61 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.0.

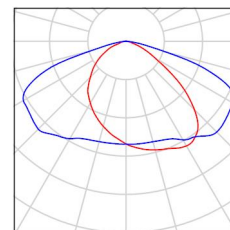


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Calle 1 / Luminaire parts list

70W 5050 T3D
Article No.:
Luminous flux (Luminaire): 12922 lm
Luminous flux (Lamps): 12923 lm
Luminaire Wattage: 70.1 W
Luminaire classification according to CIE: 100
CIE flux code: 42 79 97 100 100
Fitting: 1 x User defined (Correction Factor
1.000).

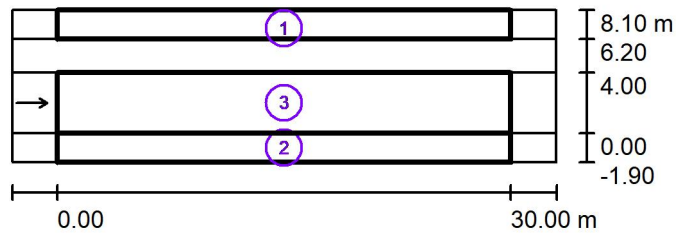
See our luminaire
catalog for an image of
the luminaire.





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Calle 1 / Photometric Results



Light loss factor: 0.85

Scale 1:500

Calculation Field List

- 1 Recuadro de evaluación Camino peatonal 1
 Length: 30.000 m, Width: 1.900 m
 Grid: 10 x 3 Points
 Accompanying Street Elements: Camino peatonal 1.
 Selected Lighting Class: S1 (All lighting performance requirements are met.)

Calculated values:

Required values according to class:

Fulfilled/Not fulfilled:

 E_{av} [lx]

16.51

 ≥ 15.00  E_{min} [lx]

11.39

 ≥ 5.00 



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Calle 1 / Photometric Results

Calculation Field List

2 Recuadro de evaluación Camino peatonal 2

Length: 30.000 m, Width: 1.900 m

Grid: 10 x 3 Points

Accompanying Street Elements: Camino peatonal 2.

Selected Lighting Class: S1 (All lighting performance requirements are met.)

	E_{av} [lx]	E_{min} [lx]
Calculated values:	16.51	6.61
Required values according to class:	≥ 15.00	≥ 5.00
Fulfilled/Not fulfilled:	✓	✓

3 Recuadro de evaluación Calzada 1

Length: 30.000 m, Width: 4.000 m

Grid: 10 x 3 Points

Accompanying Street Elements: Calzada 1.

tarmac: R3, q_0 : 0.070

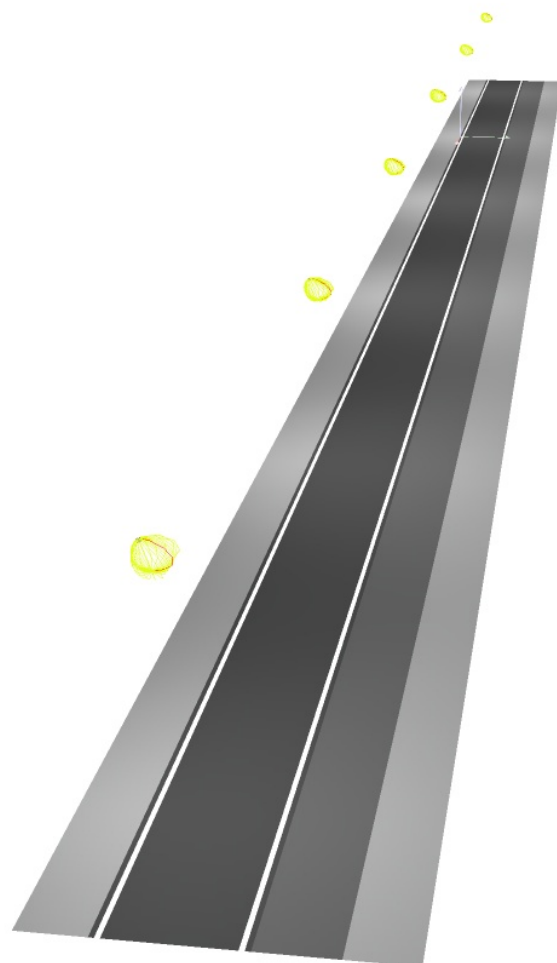
Selected Lighting Class: ME3c (All lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	1.42	0.71	0.76	8	0.84
Required values according to class:	≥ 1.00	≥ 0.40	≥ 0.50	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓



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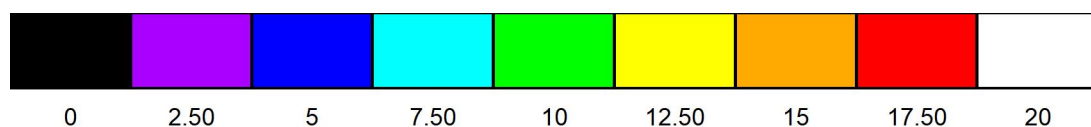
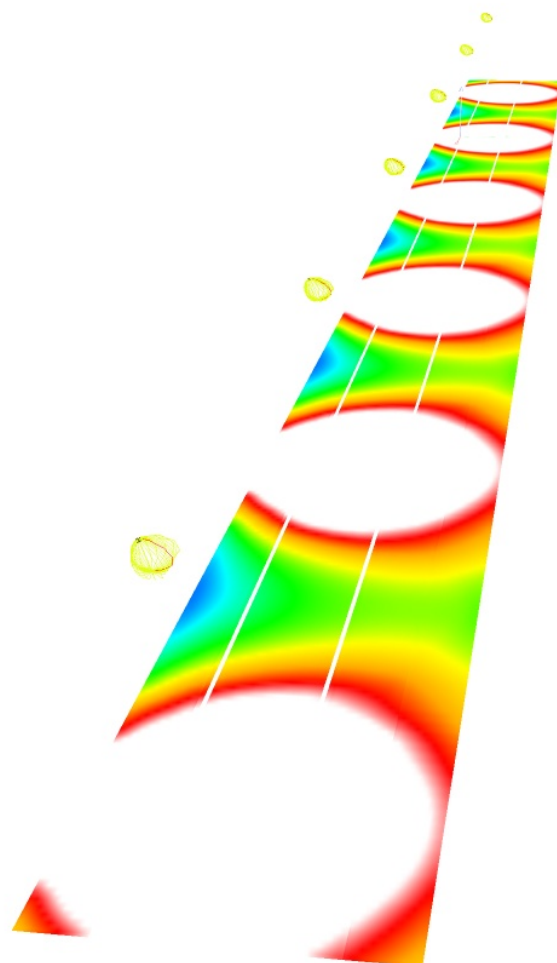
Calle 1 / 3D Rendering





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Calle 1 / False Color Rendering

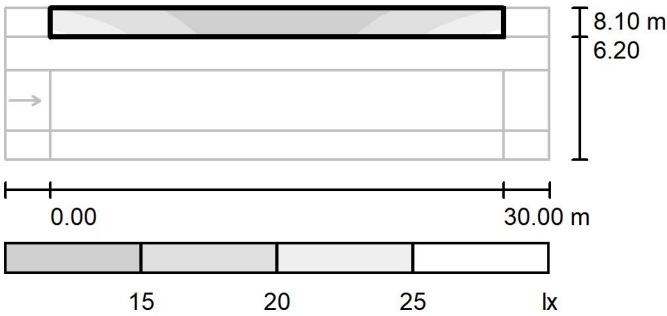


lx



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Calle 1 / Recuadro de evaluación Camino peatonal 1 / Greyscale (E)



Scale 1 : 500

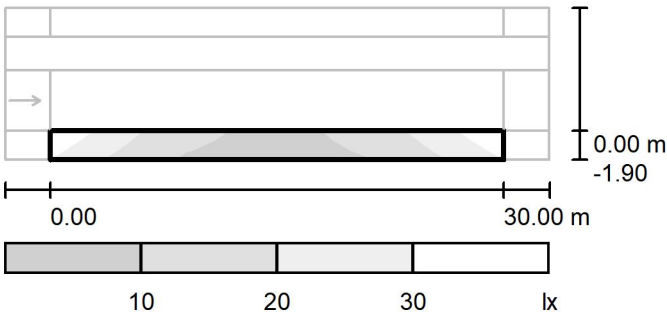
Grid: 10 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
17	11	24	0.690	0.467



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Calle 1 / Recuadro de evaluación Camino peatonal 2 / Greyscale (E)



Scale 1 : 500

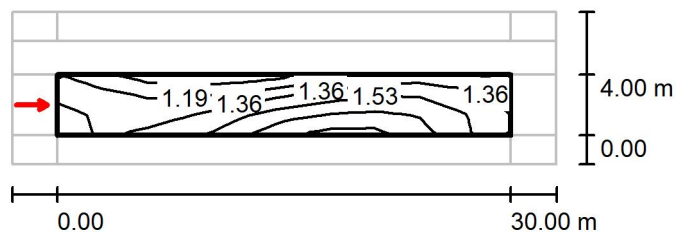
Grid: 10 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
17	6.61	34	0.400	0.197



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Calle 1 / Recuadro de evaluación Calzada 1 / Observador 1 / Isolines (L)



Values in Candela/m², Scale 1 : 500

Grid: 10 x 3 Points

Observer Position: (-60.000 m, 2.000 m, 1.500 m)

tarmac: R3, q0: 0.070

Calculated values:

L_{av} [cd/m ²]	U0	UI	TI [%]
1.42	0.71	0.76	8

Required values according to class ME3c:

≥ 1.00	≥ 0.40	≥ 0.50	≤ 15
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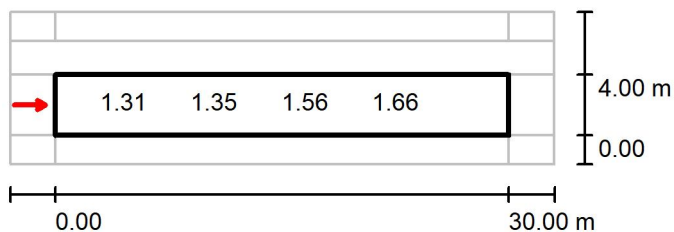
Fulfilled/Not fulfilled:

✓	✓	✓	✓
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Calle 1 / Recuadro de evaluación Calzada 1 / Observador 1 / Value Chart (L)



Values in Candela/m², Scale 1 : 500

Not all calculated values could be displayed.

Grid: 10 x 3 Points

Observer Position: (-60.000 m, 2.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	1.42	0.71	0.76	8
Required values according to class ME3c:	≥ 1.00	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓