

SMC UNIT RATE

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Company:
Customer No.:

Date: 03.12.2019
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Halonix Technologies Private Limited

B-31, Phase-II, Noida

Gautam Budh Nagar-201305 (UP)

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Table of contents

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Project Cover	1
Table of contents	2
9M ROAD WIDTH-SINGLE SIDE	
Planning data	3
3D Rendering	4
Valuation Fields	
Roadway 1	
Value Chart (E)	5
12M ROAD WIDTH--SINGLE SIDE	
Planning data	6
3D Rendering	7
Valuation Fields	
Roadway 1	
Value Chart (E)	8
15M ROAD WIDTH--SINGLE SIDE	
Planning data	9
3D Rendering	10
Valuation Fields	
Valuation Field Roadway 2	
Value Chart (E)	11
18M ROAD WIDTH-SINGLE SIDE	
Planning data	12
3D Rendering	13
Valuation Fields	
Roadway 1	
Value Chart (E)	14
18M ROAD WIDTH-CENTRAL	
Planning data	15
3D Rendering	16
Valuation Fields	
Roadway 1	
Value Chart (E)	17
Valuation Field Roadway 2	
Value Chart (E)	18
24M ROAD WIDTH-CENTRAL	
Planning data	19
3D Rendering	20
Valuation Fields	
Roadway 1	
Value Chart (E)	21
Valuation Field Roadway 2	
Value Chart (E)	22

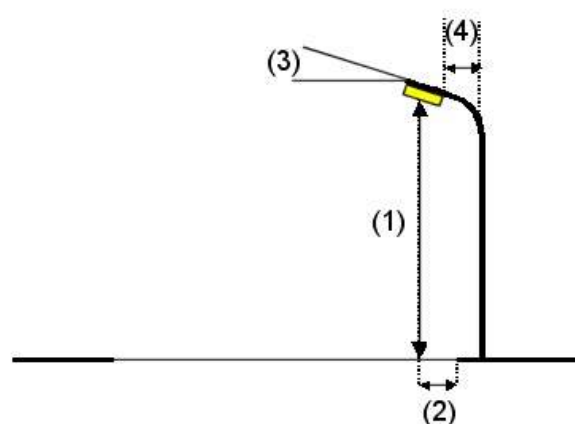
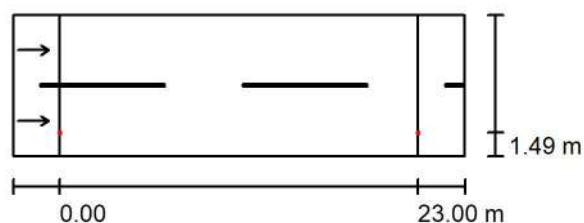


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Roadway 1 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements

Luminaire: Halonix 15W LED Street Light CWL
 Luminous flux (Luminaire): 1810 lm
 Luminous flux (Lamps): 1810 lm
 Luminaire Wattage: 15.0 W
 Arrangement: Single row, bottom
 Pole Distance: 23.000 m
 Mounting Height (1): 6.500 m
 Height: 6.451 m
 Overhang (2): 1.500 m
 Boom Angle (3): 10.0 °
 Boom Length (4): 0.500 m

Maximum luminous intensities
 at 70°: 249 cd/klm
 at 80°: 25 cd/klm
 at 90°: 6.31 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.6.

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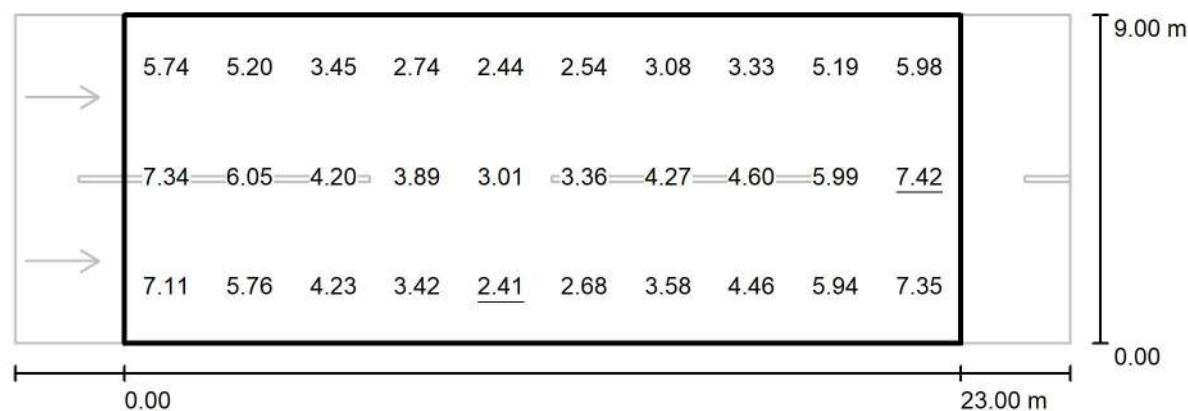
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9M ROAD WIDTH-SINGLE SIDE / 3D Rendering





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Values in Lux, Scale 1 : 208

Grid: 10 x 3 Points

 E_{av} [lx]
4.56 E_{min} [lx]
2.41 E_{max} [lx]
7.42u0
0.528 E_{min} / E_{max}
0.324

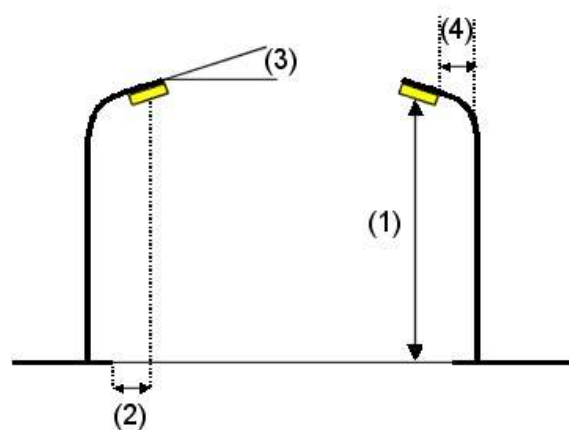
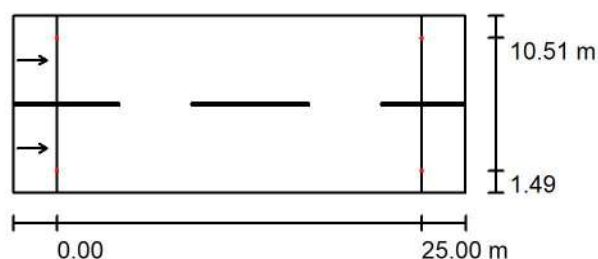


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Roadway 1 (Width: 12.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements

Luminaire: Halonix 40W LED Street Light CWL
 Luminous flux (Luminaire): 4010 lm
 Luminous flux (Lamps): 4010 lm
 Luminaire Wattage: 40.0 W
 Arrangement: Double row, opposing
 Pole Distance: 25.000 m
 Mounting Height (1): 7.000 m
 Height: 6.952 m
 Overhang (2): 1.500 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 1.500 m

Maximum luminous intensities

at 70°: 368 cd/klm
 at 80°: 37 cd/klm
 at 90°: 11 cd/klm

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

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.5.

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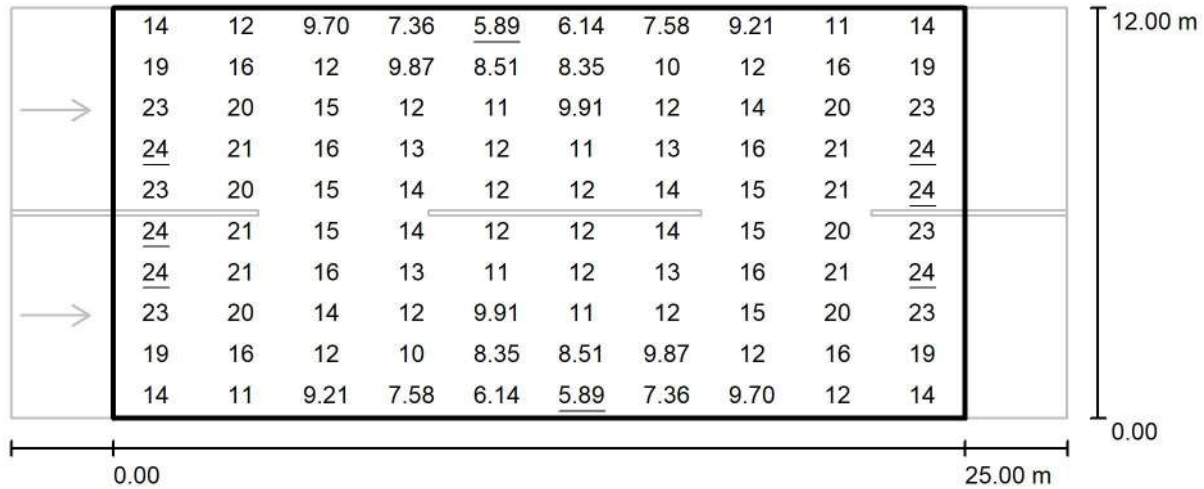
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12M ROAD WIDTH--SINGLE SIDE / 3D Rendering





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Values in Lux, Scale 1 : 222

Grid: 10 x 10 Points

 E_{av} [lx]
15 E_{min} [lx]
5.89 E_{max} [lx]
24 u_0
0.405 E_{min} / E_{max}
0.242



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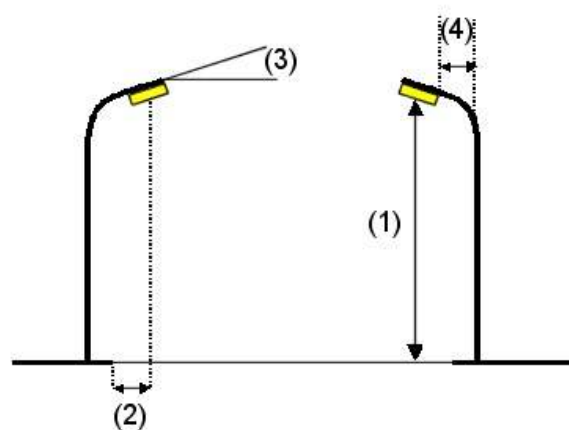
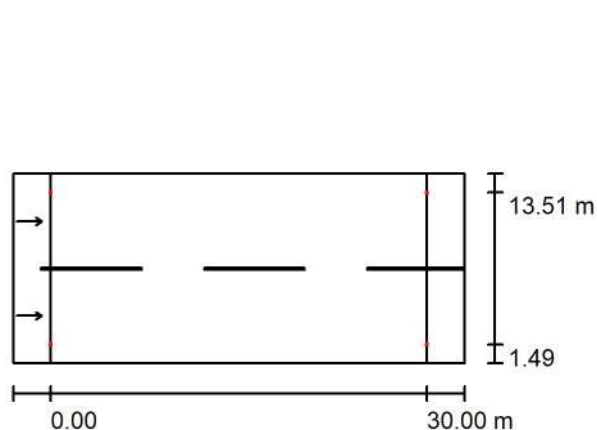
15M ROAD WIDTH--SINGLE SIDE / Planning data

Street Profile

Roadway 2 (Width: 15.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements



Luminaire: Halonix 120W LED Street Light CWL
Luminous flux (Luminaire): 14498 lm
Luminous flux (Lamps): 14500 lm
Luminaire Wattage: 120.0 W
Arrangement: Double row, opposing
Pole Distance: 30.000 m
Mounting Height (1): 9.000 m
Height: 8.952 m
Overhang (2): 1.500 m
Boom Angle (3): 15.0 °
Boom Length (4): 2.000 m

Maximum luminous intensities

at 70°: 322 cd/klm
at 80°: 47 cd/klm
at 90°: 14 cd/klm

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

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.3.

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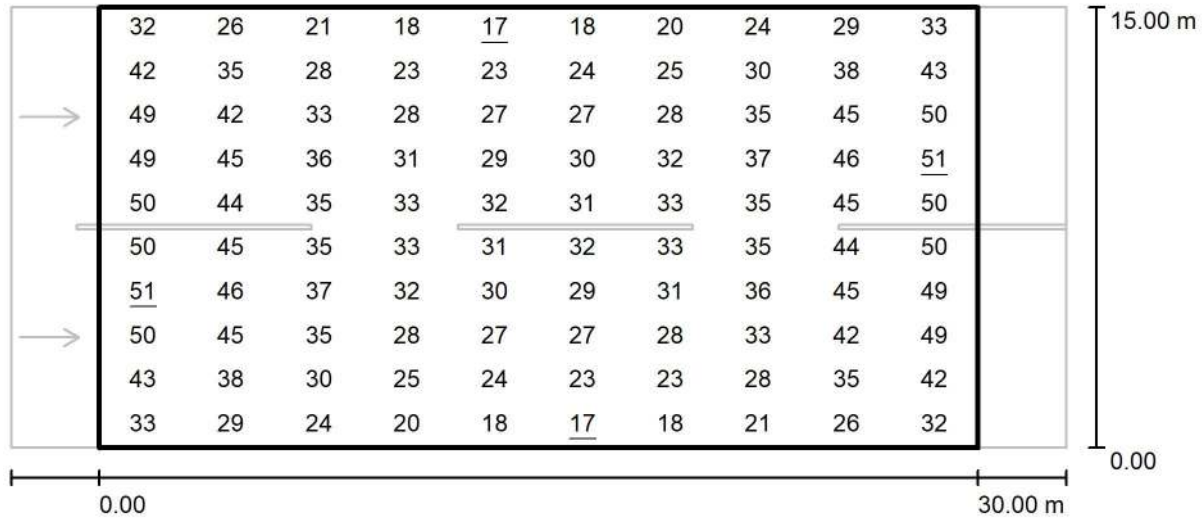
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15M ROAD WIDTH--SINGLE SIDE / 3D Rendering





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Values in Lux, Scale 1 : 258

Grid: 10 x 10 Points

 E_{av} [lx]
34 E_{min} [lx]
17 E_{max} [lx]
51 u_0
0.515 E_{min} / E_{max}
0.343

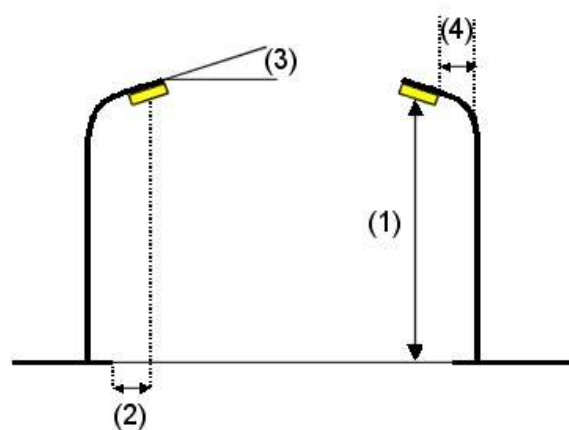
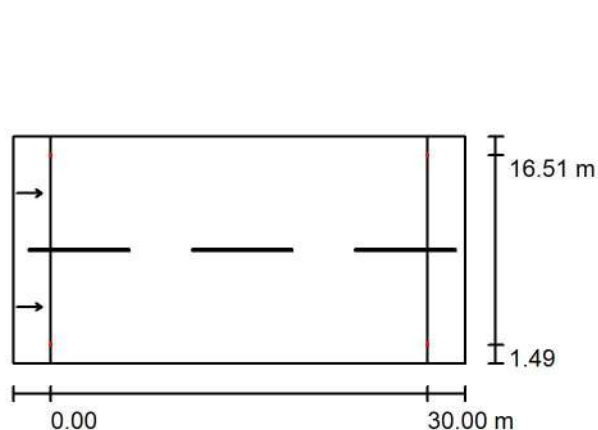


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Roadway 1 (Width: 18.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements

Luminaire: Halonix 120W LED Street Light CWL
 Luminous flux (Luminaire): 14498 lm
 Luminous flux (Lamps): 14500 lm
 Luminaire Wattage: 120.0 W
 Arrangement: Double row, opposing
 Pole Distance: 30.000 m
 Mounting Height (1): 11.800 m
 Height: 11.752 m
 Overhang (2): 1.500 m
 Boom Angle (3): 15.0°
 Boom Length (4): 2.000 m

Maximum luminous intensities
 at 70°: 322 cd/klm
 at 80°: 47 cd/klm
 at 90°: 14 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.3.

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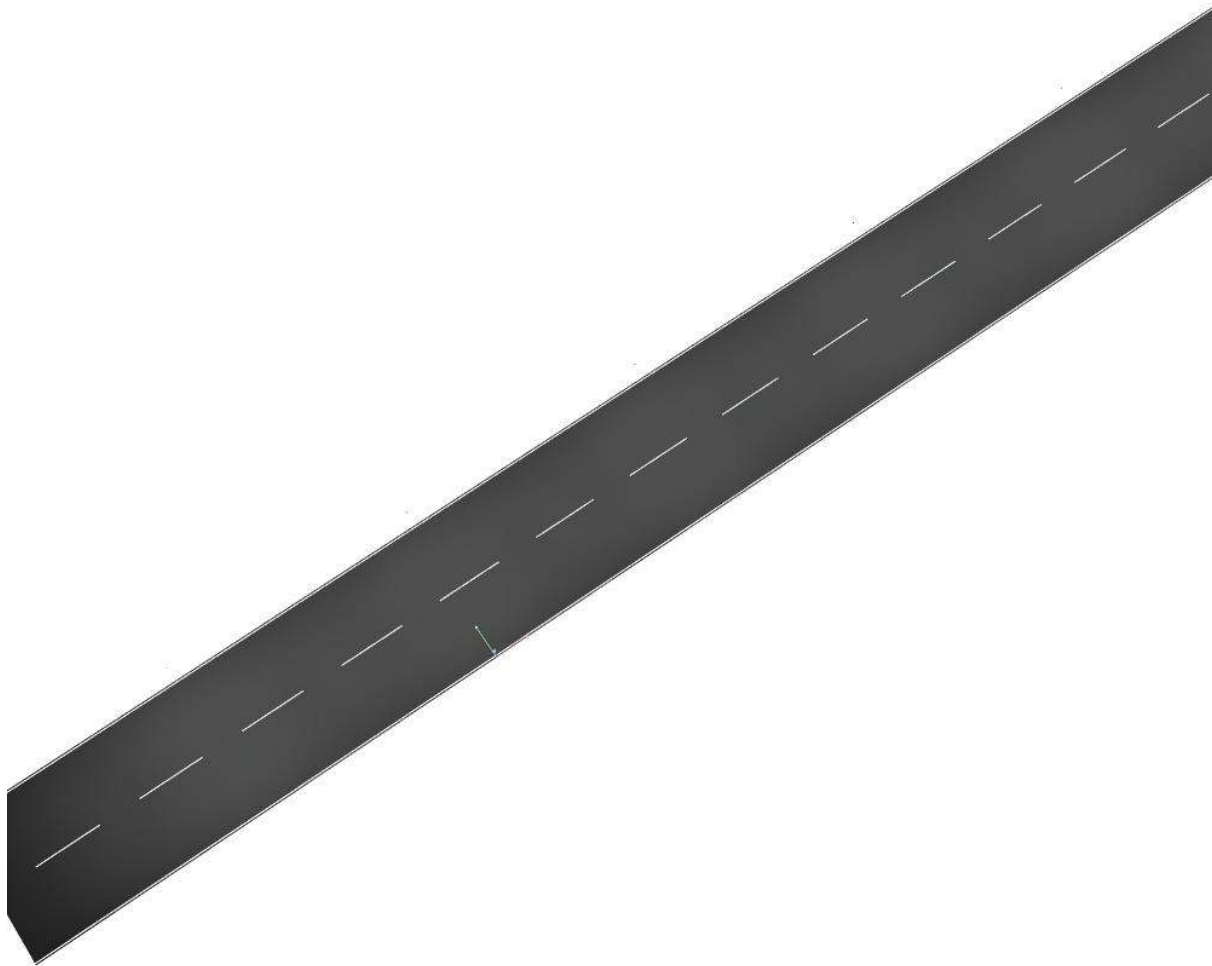
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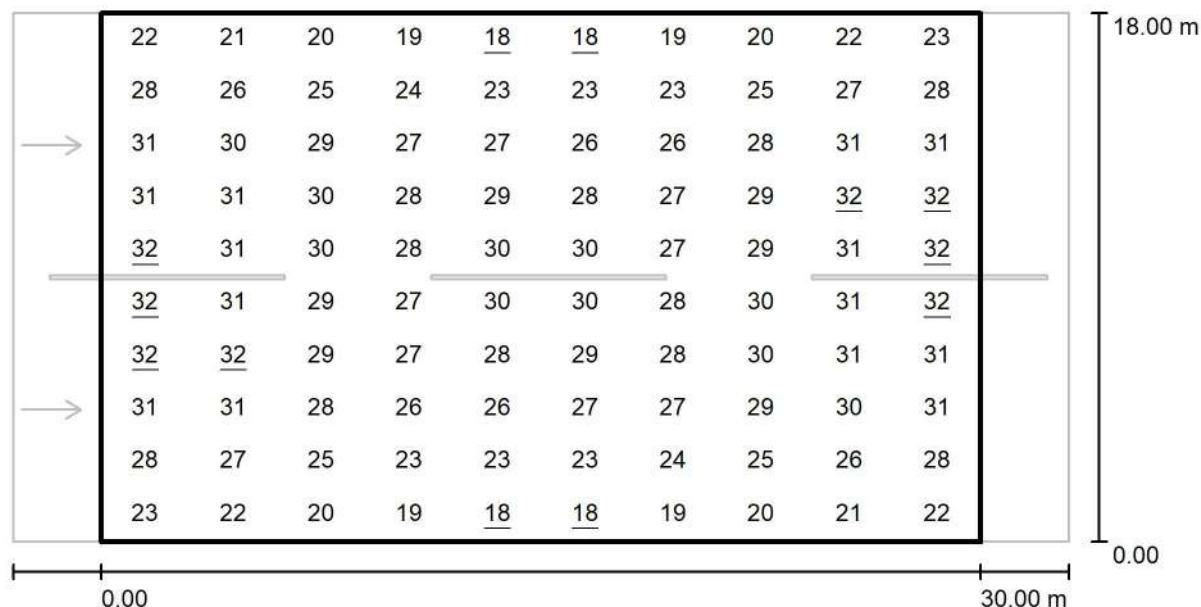
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18M ROAD WIDTH-SINGLE SIDE / 3D Rendering





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Values in Lux, Scale 1 : 258

Grid: 10 x 10 Points

 E_{av} [lx]
27 E_{min} [lx]
18 E_{max} [lx]
32u0
0.664 E_{min} / E_{max}
0.555



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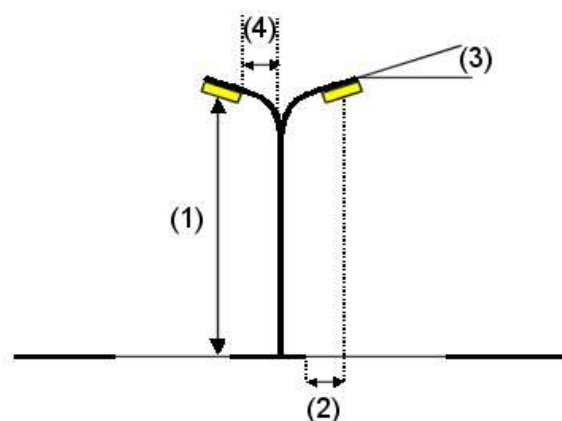
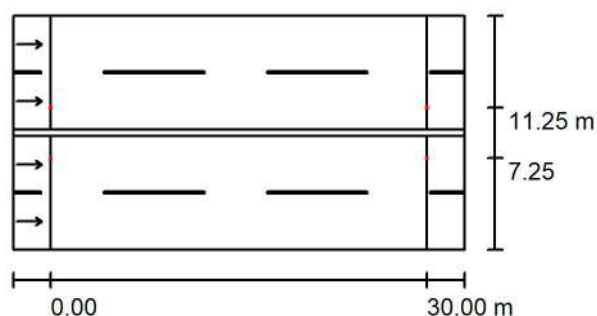
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Roadway 2 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Median 1 (Width: 0.500 m, Height: 0.000 m)

Roadway 1 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements

Luminaire:
 Luminous flux (Luminaire): 8249 lm
 Luminous flux (Lamps): 8250 lm
 Luminaire Wattage: 75.0 W
 Arrangement: on Median
 Pole Distance: 30.000 m
 Mounting Height (1): 8.000 m
 Height: 7.952 m
 Overhang (2): 1.513 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 2.000 m

Halonix 75W LED Street Light CWL

Maximum luminous intensities
 at 70°: 240 cd/klm
 at 80°: 34 cd/klm
 at 90°: 9.39 cd/klm

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

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.5.

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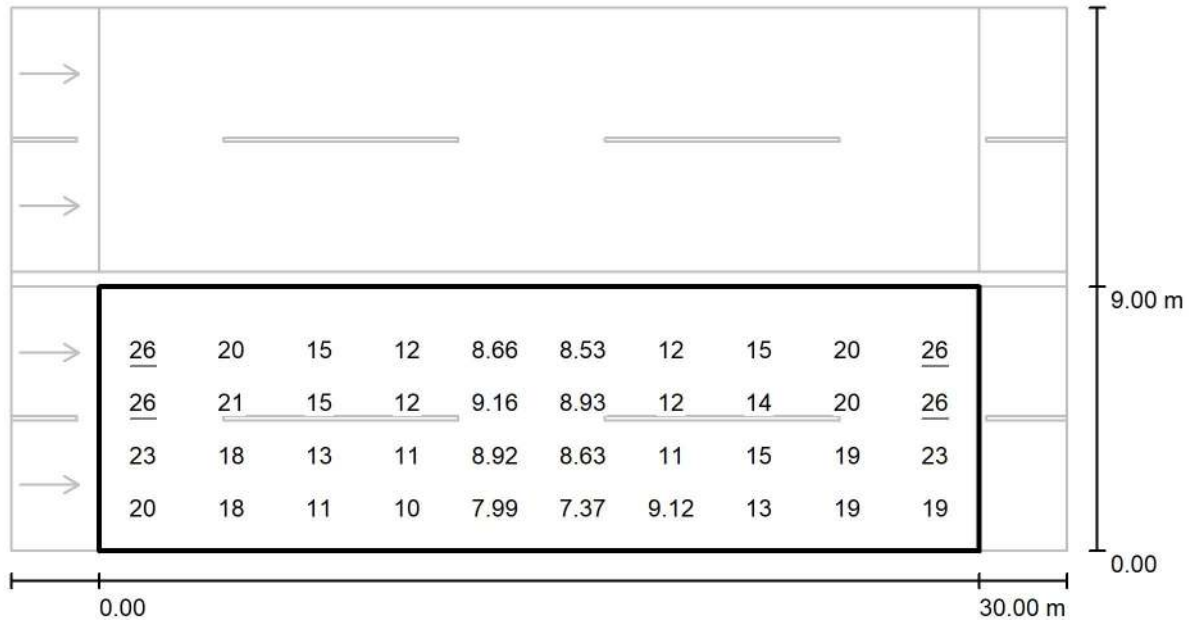
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18M ROAD WIDTH-CENTRAL / 3D Rendering





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Values in Lux, Scale 1 : 258

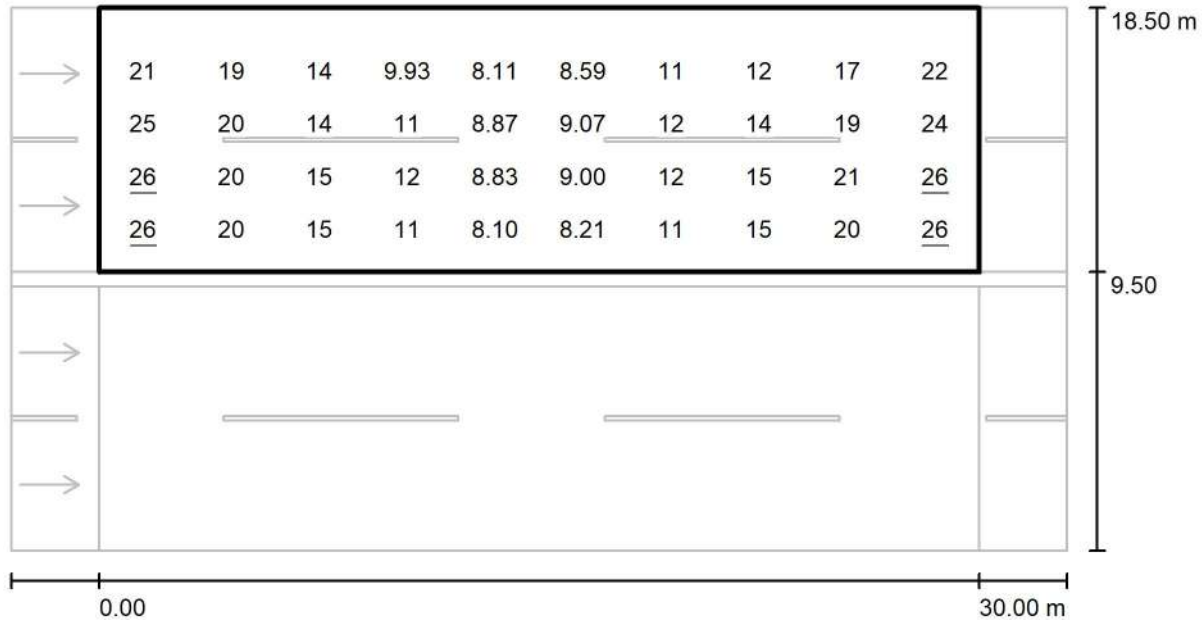
Not all calculated values could be displayed.

Grid: 10 x 10 Points

 E_{av} [lx]
15 E_{min} [lx]
6.75 E_{max} [lx]
26u0
0.444 E_{min} / E_{max}
0.258



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Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 10 Points

 E_{av} [lx]
15 E_{min} [lx]
6.75 E_{max} [lx]
26u0
0.444 E_{min} / E_{max}
0.258



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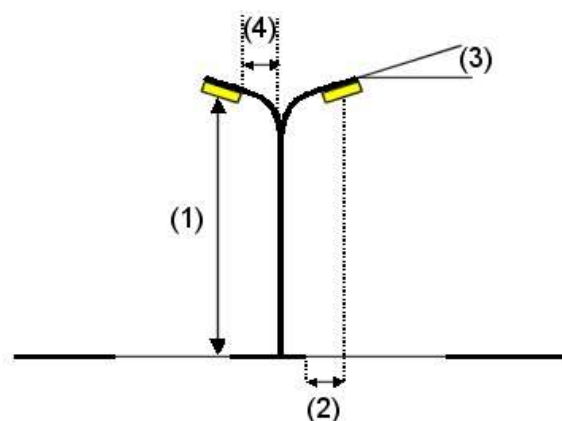
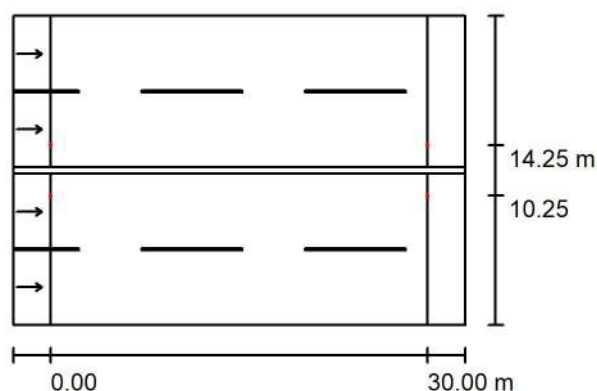
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Roadway 2 (Width: 12.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Median 1 (Width: 0.500 m, Height: 0.000 m)

Roadway 1 (Width: 12.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.70

Luminaire Arrangements

Luminaire:
 Luminous flux (Luminaire): 8249 lm
 Luminous flux (Lamps): 8250 lm
 Luminaire Wattage: 75.0 W
 Arrangement: on Median
 Pole Distance: 30.000 m
 Mounting Height (1): 10.000 m
 Height: 9.952 m
 Overhang (2): 1.513 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 2.000 m

Halonix 75W LED Street Light CWL

Maximum luminous intensities
 at 70°: 240 cd/klm
 at 80°: 34 cd/klm
 at 90°: 9.39 cd/klm

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

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.5.

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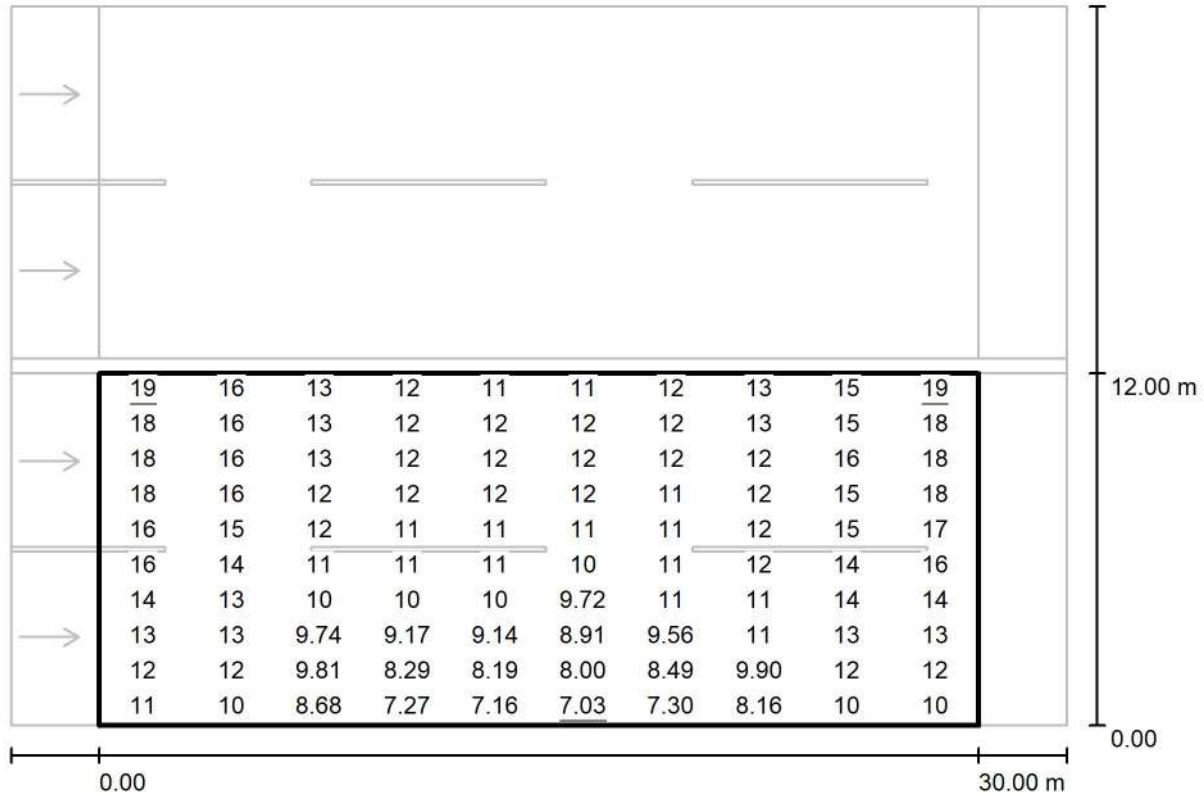
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24M ROAD WIDTH-CENTRAL / 3D Rendering



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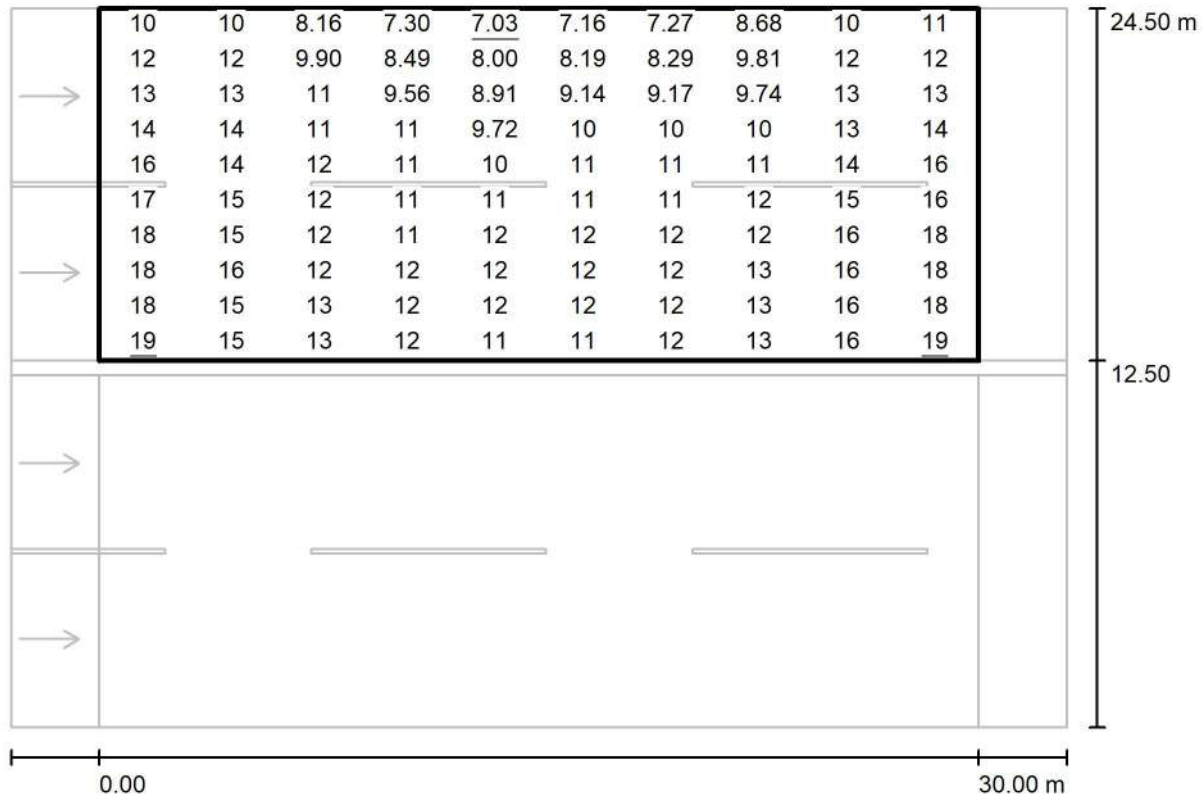
Values in Lux, Scale 1 : 258

Grid: 10 x 10 Points

 E_{av} [lx]
12 E_{min} [lx]
7.03 E_{max} [lx]
19 $u0$
0.572 E_{min} / E_{max}
0.377



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Values in Lux, Scale 1 : 258

Grid: 10 x 10 Points

 E_{av} [lx]
12 E_{min} [lx]
7.03 E_{max} [lx]
19 $u0$
0.572 E_{min} / E_{max}
0.377