

Slobozia Mare,R-nul Cahul

Installation :

Project number : S-A34MD0-24119114

Customer :

Processed by : mgr inż. Rafał Skorupski (LUG LIGHT FACTORY)

Date : 04.10.2024

Project description:

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

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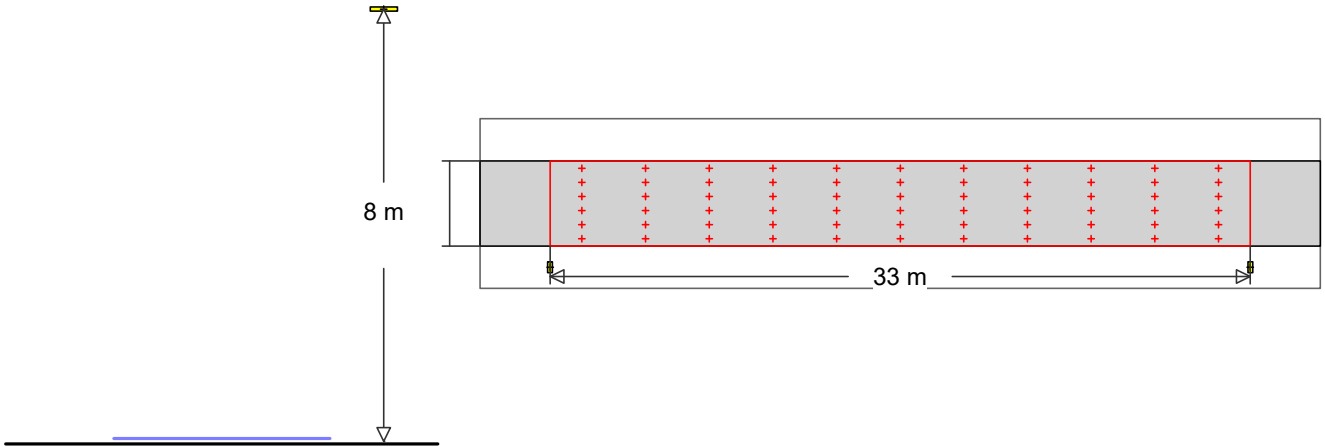
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1.2 Summary, 1

1.2.1 Result overview, 1



1 **LUG LIGHT FACTORY**
Order No. : 130292.5L102.130
Luminaire name : TRAFFIK LED ED 3750lm/740 IP66 O47 szary II kl.
Equipment : 1 x LED 4000K 22 W / 3750 lm

MyLumRow
Luminaire placing : Right row
Luminaire spacing : 33.00 m
Overhang : -1.00 m
Abs. position : -1.00 m
Load/km : 667 W/km
Maintenance factor : 0.85
Height (phot centre) : 8.00 m
Tilt : 0.00 °
Glare index class : D6
Lum. intensity class : G*4

Droga
Width : 4.00 m Lanes : 2
Surface : R3, q0=0.07



Luminance Calculation field: 33m x 4m (11 x 6 pts)

Observer

2 : x=-60.00m, y=3.00m, z=1.50m

1 : x=-60.00m, y=1.00m, z=1.50m

Lane	$\bar{L}_m$	U_o	U_l	f_{TI}	R_{EI}
2:(y=3.00)	0.50 cd/m ²	0.50	0.67	7	0.69
1:(y=1.00)	0.47 cd/m ²	0.50	0.68	8	0.95
M6	>= 0.30 cd/m ²	>= 0.35	>= 0.40	<= 20	>= 0.30

Illuminance Calculation field: 33m x 4m (11 x 6 pts)

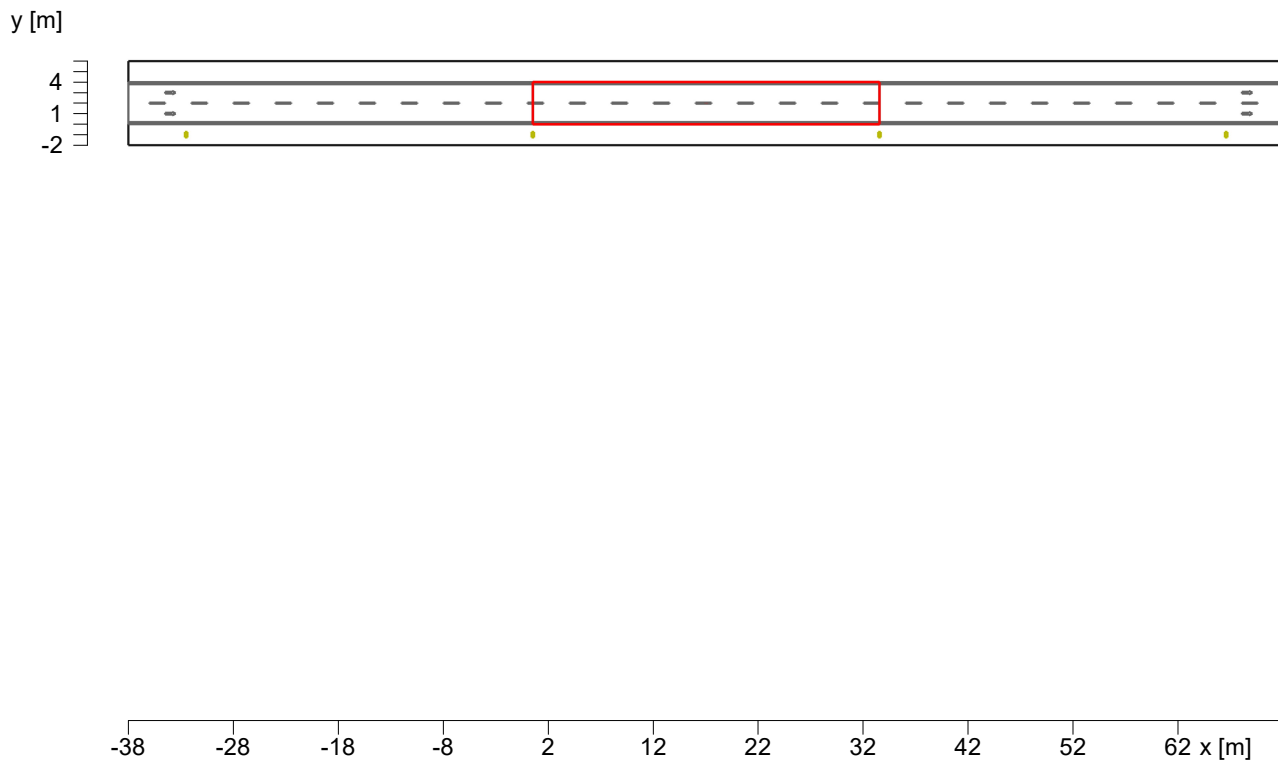
$\bar{E}_m$	E_{min}	U_o	U_d
7.78 lx	3.31 lx	0.43	0.19

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2.1 Description, 2

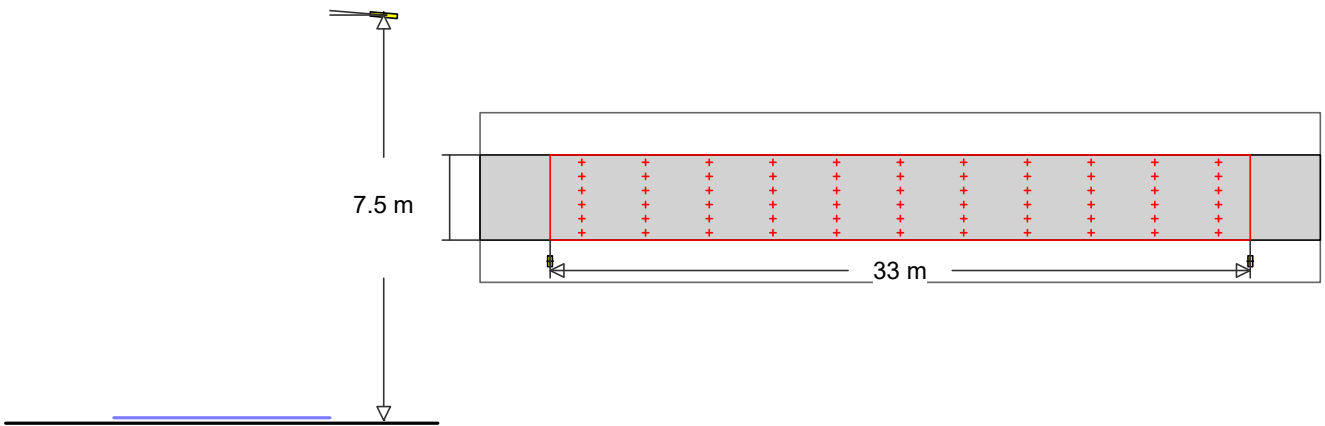
2.1.1 Floor plan



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2.2 Summary, 2

2.2.1 Result overview, 2



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LUG LIGHT FACTORY

Order No. : 130292.5L102.130

Luminaire name : TRAFFIK LED ED 3750lm/740 IP66 O47 szary II kl.

Equipment : 1 x LED 4000K 22 W / 3750 lm

MyLumRow			
Luminaire placing	: Right row	Maintenance factor	: 0.85
Luminaire spacing	: 33.00 m	Height (phot centre)	: 7.50 m
Overhang	: -1.00 m	Tilt	: 5.00 °
Abs. position	: -1.00 m	Glare index class	: D5
Load/km	: 667 W/km	Lum. intensity class	: G*2

Droga			
Width	: 4.00 m	Lanes	: 2
Surface	: R3, q0=0.07		



Luminance Calculation field: 33m x 4m (11 x 6 pts)

Observer

2 : x=-60.00m, y=3.00m, z=1.50m

1 : x=-60.00m, y=1.00m, z=1.50m

Lane	$\bar{L}_m$	U_o	U_l	f_{TI}	R_{EI}
2:(y=3.00)	0.53 cd/m ²	0.50	0.65	7	0.70
1:(y=1.00)	0.50 cd/m ²	0.50	0.64	9	0.89
M6	>= 0.30 cd/m ²	>= 0.35	>= 0.40	<= 20	>= 0.30

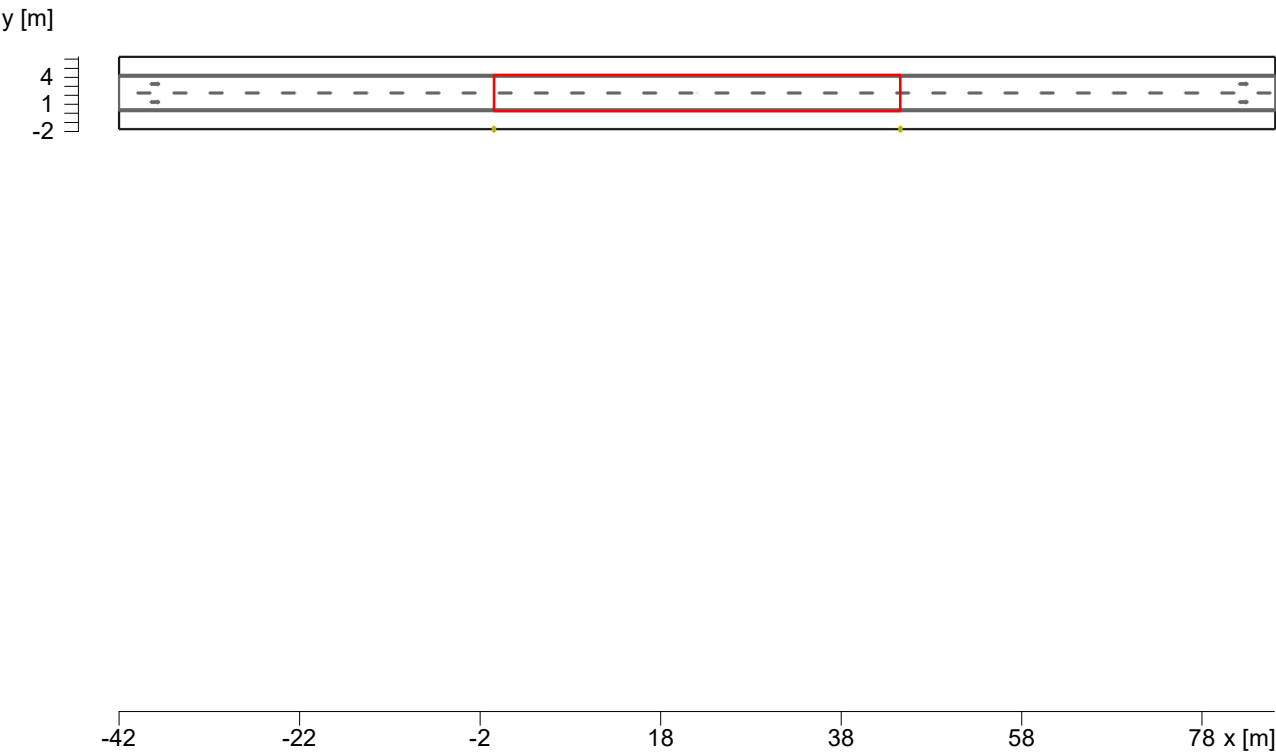
Illuminance Calculation field: 33m x 4m (11 x 6 pts)

$\bar{E}_m$	E_{min}	U_o	U_d
8.24 lx	3.08 lx	0.37	0.17

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3.1Description, 3

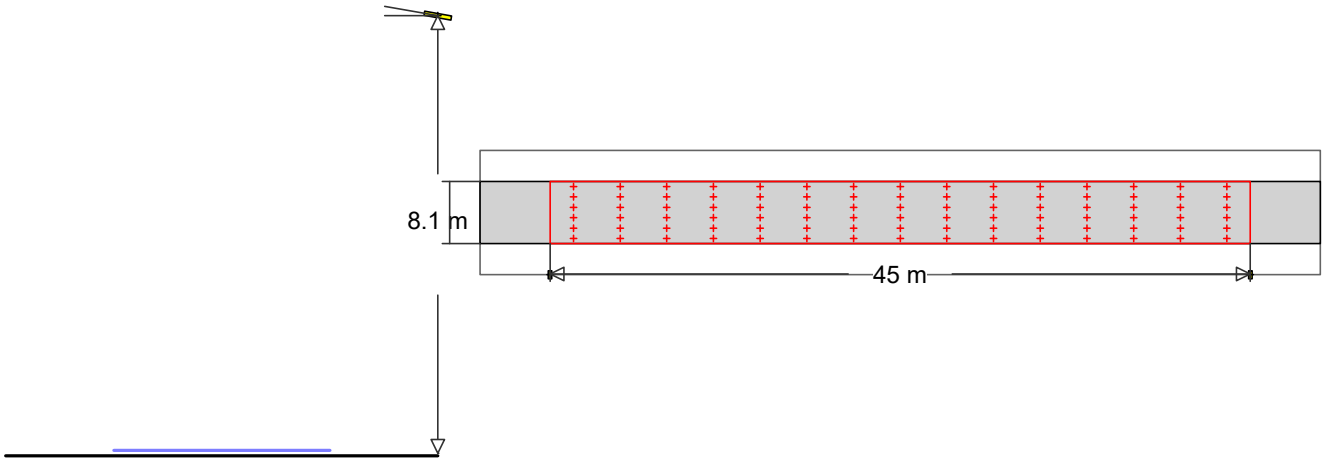
3.1.1Floor plan



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3.2 Summary, 3

3.2.1 Result overview, 3



1		LUG LIGHT FACTORY
	Order No.	: 130292.5L102.130
	Luminaire name	: TRAFFIK LED ED 3750lm/740 IP66 O47 szary II kl.
	Equipment	: 1 x LED 4000K 22 W / 3750 lm

MyLumRow			
Luminaire placing	: Right row	Maintenance factor	: 0.85
Luminaire spacing	: 45.00 m	Height (phot centre)	: 8.10 m
Overhang	: -2.00 m	Tilt	: 10.00 °
Abs. position	: -2.00 m	Glare index class	: D4
Load/km	: 489 W/km	Lum. intensity class	: n/a

Droga			
Width	: 4.00 m	Lanes	: 2
Surface	: R3, q0=0.07		



Luminance Calculation field: 45m x 4m (15 x 6 pts)

Observer					
2 : x=-60.00m, y=3.00m, z=1.50m					
1 : x=-60.00m, y=1.00m, z=1.50m					
Lane	$\bar{L}_m$	U_o	U_i	f_{TI}	REI
2:(y=3.00)	0.32 cd/m ²	0.44	0.48	8	0.72
1:(y=1.00)	0.30 cd/m ²	0.43	0.40	10	0.96
M6	>= 0.30 cd/m ²	>= 0.35	>= 0.40	<= 20	>= 0.30

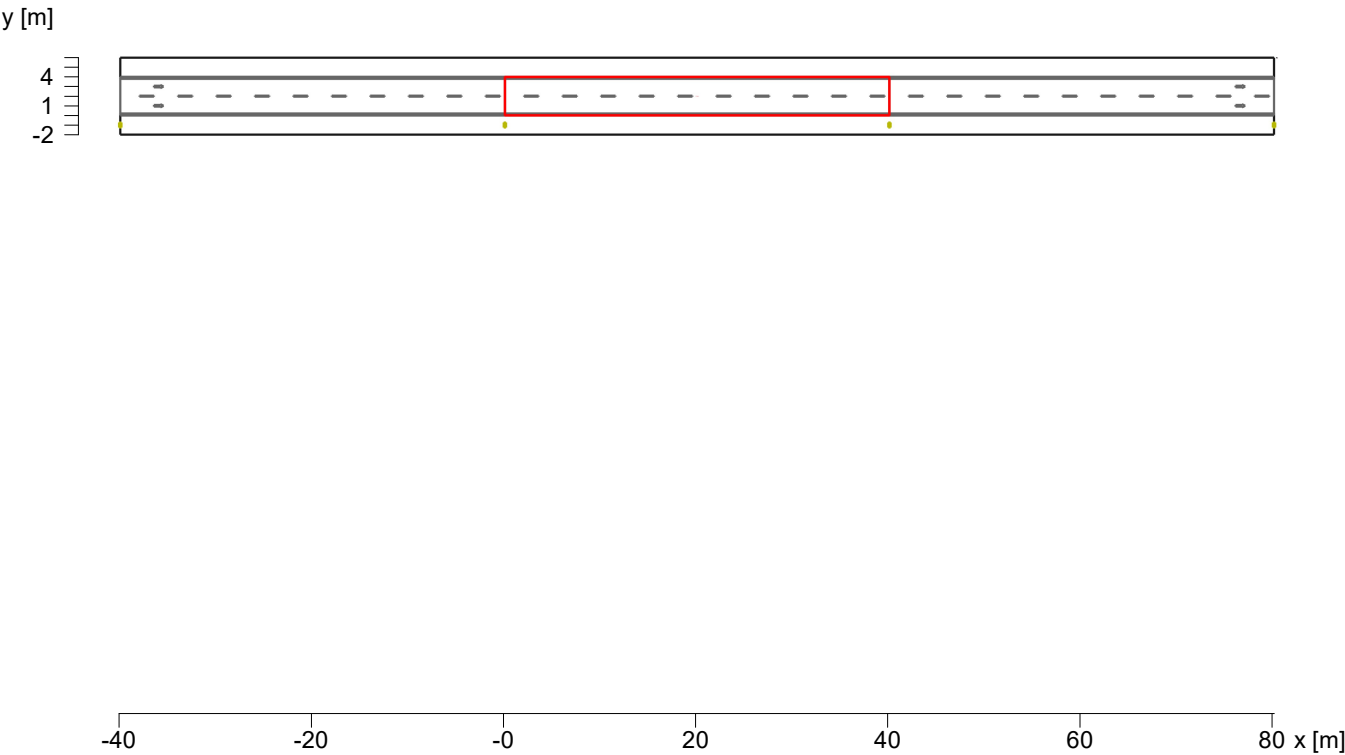
Illuminance Calculation field: 45m x 4m (15 x 6 pts)

$\bar{E}_m$	E_{min}	U_o	U_d
5.30 lx	1.29 lx	0.24	0.09

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4.1Description, 4

4.1.1Floor plan

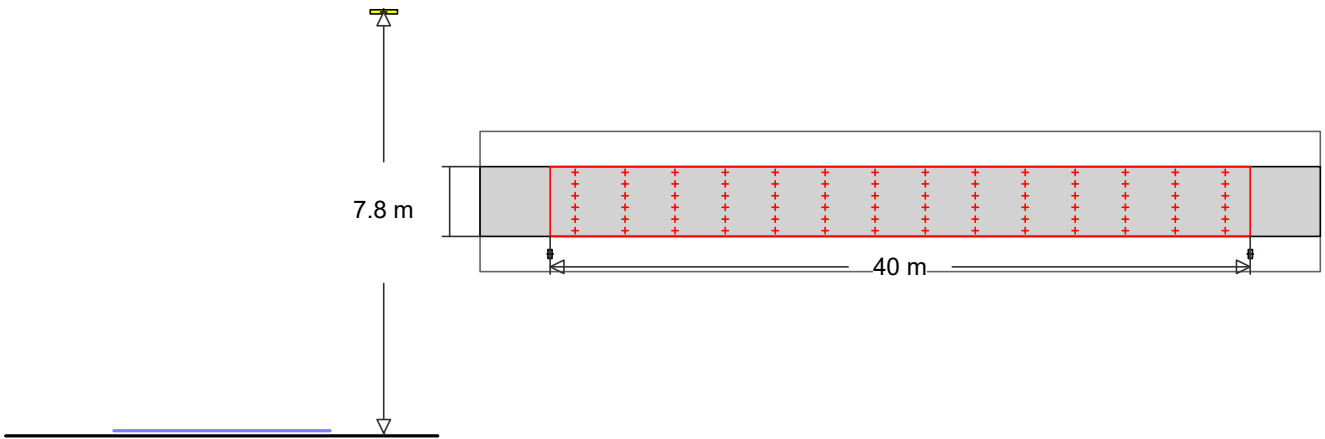


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4.2 Summary, 4

4.2.1 Result overview, 4



1 **LUG LIGHT FACTORY**
Order No. : 130292.5L102.130
Luminaire name : TRAFFIK LED ED 3750lm/740 IP66 O47 szary II kl.
Equipment : 1 x LED 4000K 22 W / 3750 lm

MyLumRow
Luminaire placing : Right row
Luminaire spacing : 40.00 m
Overhang : -1.00 m
Abs. position : -1.00 m
Load/km : 550 W/km
Maintenance factor : 0.85
Height (phot centre) : 7.80 m
Tilt : 0.00 °
Glare index class : D6
Lum. intensity class : G*4

Droga
Width : 4.00 m Lanes : 2
Surface : R3, q0=0.07



Luminance Calculation field: 40m x 4m (14 x 6 pts)

Observer

2 : x=-60.00m, y=3.00m, z=1.50m

1 : x=-60.00m, y=1.00m, z=1.50m

Lane	$\bar{L}_m$	U_o	U_l	f_{Tl}	R_{El}
2:(y=3.00)	0.42 cd/m ²	0.45	0.52	8	0.67
1:(y=1.00)	0.40 cd/m ²	0.46	0.44	9	0.95
M6	>= 0.30 cd/m ²	>= 0.35	>= 0.40	<= 20	>= 0.30

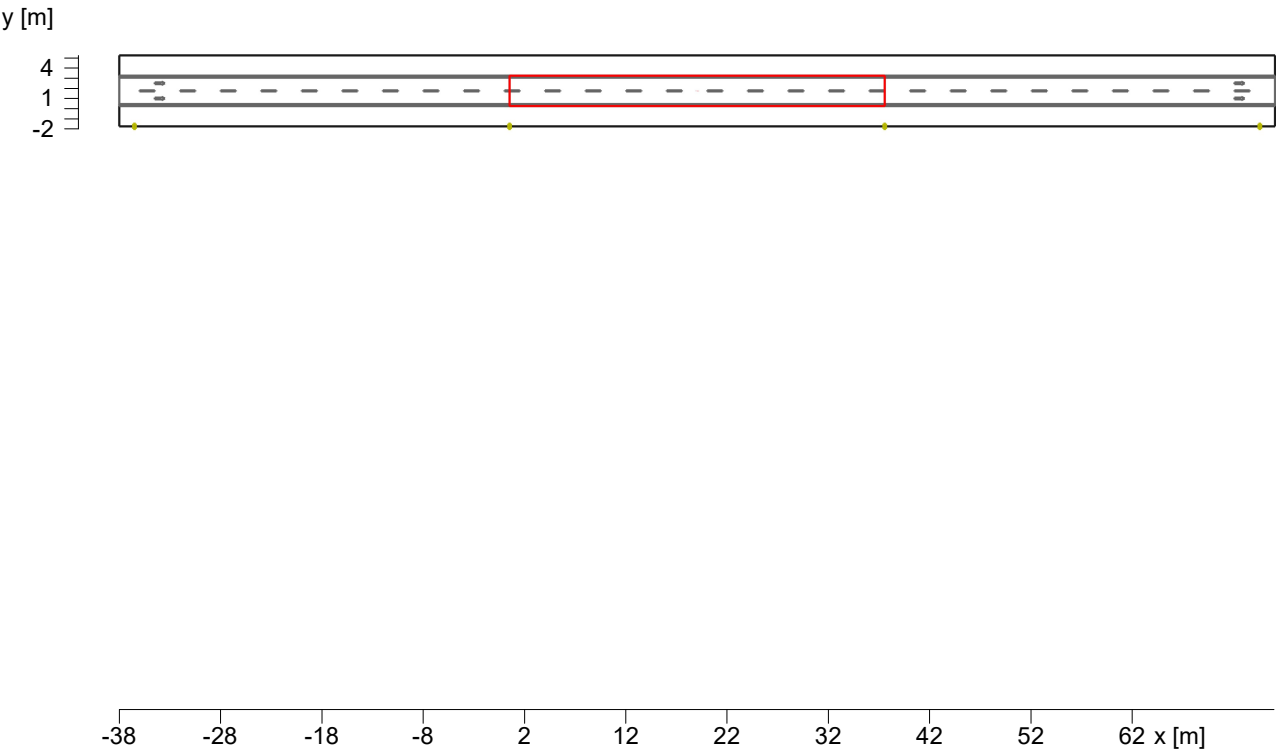
Illuminance Calculation field: 40m x 4m (14 x 6 pts)

$\bar{E}_m$	E_{min}	U_o	U_d
6.53 lx	1.81 lx	0.28	0.10

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5.1 Description, 5

5.1.1 Floor plan

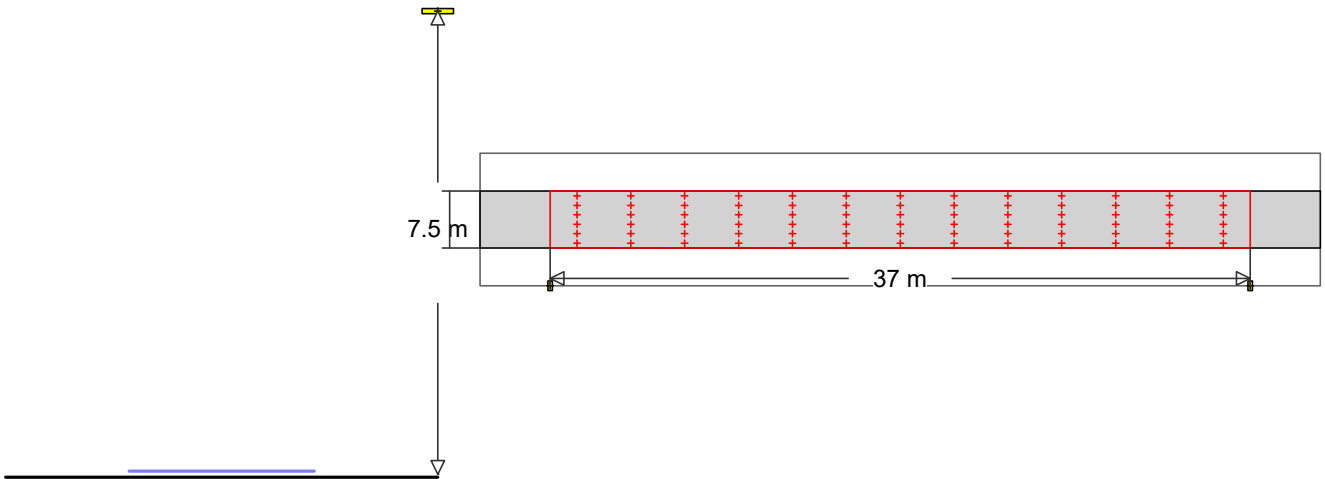


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5.2 Summary, 5

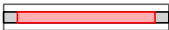
5.2.1 Result overview, 5



1		LUG LIGHT FACTORY
	Order No.	: 130292.5L102.130
	Luminaire name	: TRAFFIK LED ED 3750lm/740 IP66 O47 szary II kl.
	Equipment	: 1 x LED 4000K 22 W / 3750 lm

MyLumRow			
Luminaire placing	: Right row	Maintenance factor	: 0.85
Luminaire spacing	: 37.00 m	Height (phot centre)	: 7.50 m
Overhang	: -2.00 m	Tilt	: 0.00 °
Abs. position	: -2.00 m	Glare index class	: D6
Load/km	: 595 W/km	Lum. intensity class	: G*4

Droga			
Width	: 3.00 m	Lanes	: 2
Surface	: R3, q0=0.07		



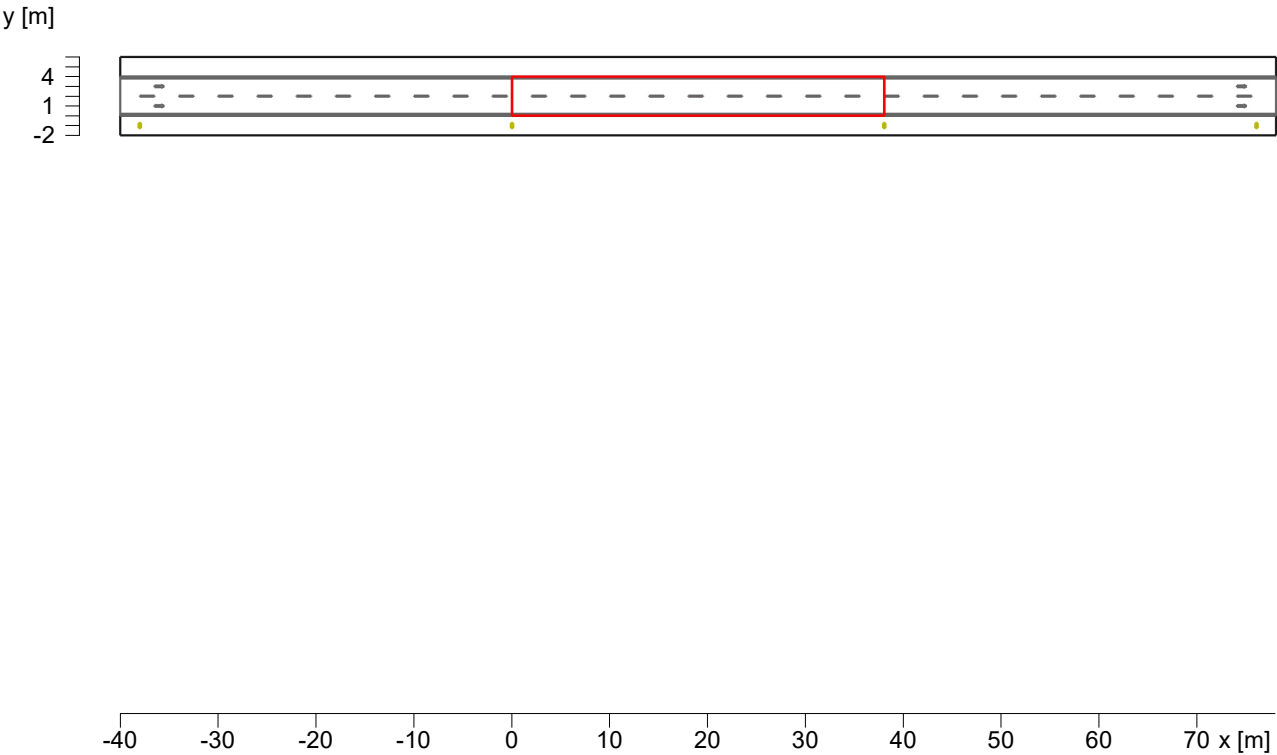
Luminance		Calculation field: 37m x 3m (13 x 6 pts)			
Observer					
2	: x=-60.00m, y=2.25m, z=1.50m				
1	: x=-60.00m, y=0.75m, z=1.50m				
Lane	$\bar{L}_m$	U_o	U_l	f_{TI}	R_{EI}
2:(y=2.25)	0.40 cd/m ²	0.50	0.54	10	0.72
1:(y=0.75)	0.38 cd/m ²	0.50	0.49	9	1.14
M6	>= 0.30 cd/m ²	>= 0.35	>= 0.40	<= 20	>= 0.30

Illuminance		Calculation field: 37m x 3m (13 x 6 pts)		
	$\bar{E}_m$	E_{min}	U_o	U_d
	6.75 lx	2.12 lx	0.31	0.12

6 6

6.1 Description, 6

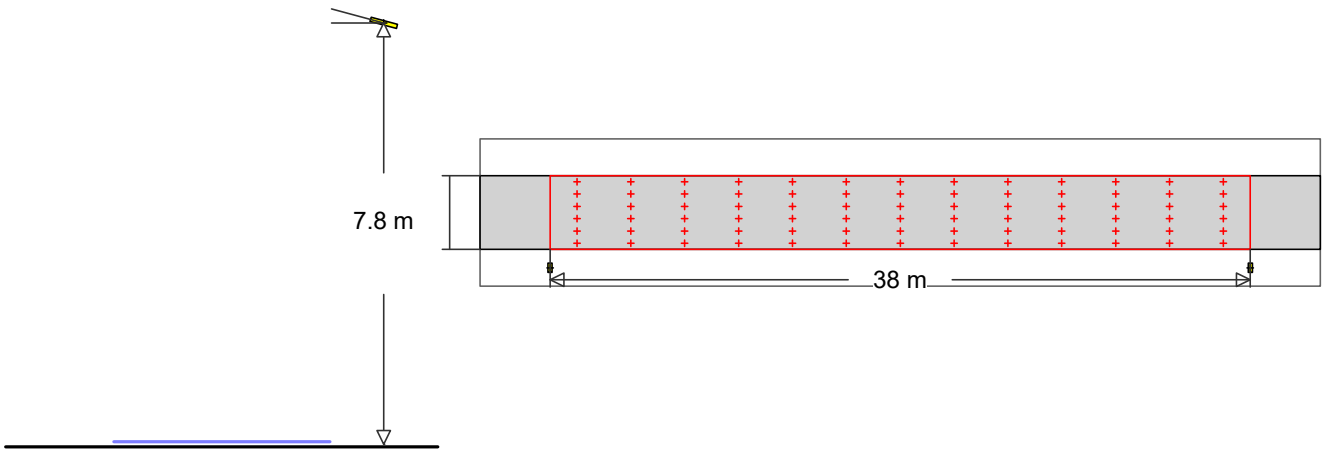
6.1.1 Floor plan



6 6

6.2 Summary, 6

6.2.1 Result overview, 6



1		LUG LIGHT FACTORY
	Order No.	: 130292.5L102.130
	Luminaire name	: TRAFFIK LED ED 3750lm/740 IP66 O47 szary II kl.
	Equipment	: 1 x LED 4000K 22 W / 3750 lm

MyLumRow

Luminaire placing	: Right row	Maintenance factor	: 0.85
Luminaire spacing	: 38.00 m	Height (phot centre)	: 7.80 m
Overhang	: -1.00 m	Tilt	: 15.00 °
Abs. position	: -1.00 m	Glare index class	: D3
Load/km	: 579 W/km	Lum. intensity class	: n/a

Droga

Width	: 4.00 m	Lanes	: 2
Surface	: R3, q0=0.07		



Luminance Calculation field: 38m x 4m (13 x 6 pts)

Observer

2 : x=-60.00m, y=3.00m, z=1.50m

1 : x=-60.00m, y=1.00m, z=1.50m

Lane	$\bar{L}_m$	U_o	U_l	f_{TI}	R_{EI}
2:(y=3.00)	0.46 cd/m ²	0.50	0.57	7	0.75
1:(y=1.00)	0.43 cd/m ²	0.49	0.47	11	0.78
M6	>= 0.30 cd/m ²	>= 0.35	>= 0.40	<= 20	>= 0.30

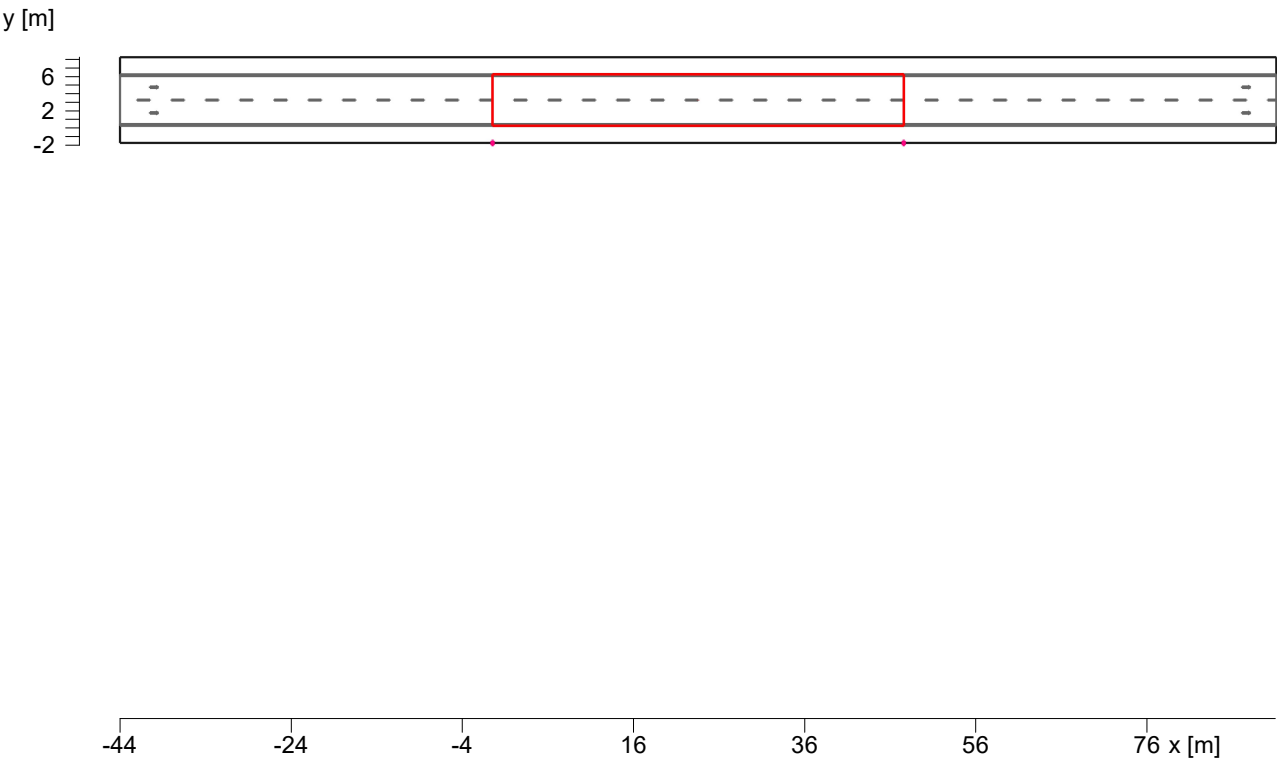
Illuminance Calculation field: 38m x 4m (13 x 6 pts)

$\bar{E}_m$	E_{min}	U_o	U_d
6.76 lx	2.19 lx	0.32	0.14

7 7

7.1 Description, 7

7.1.1 Floor plan

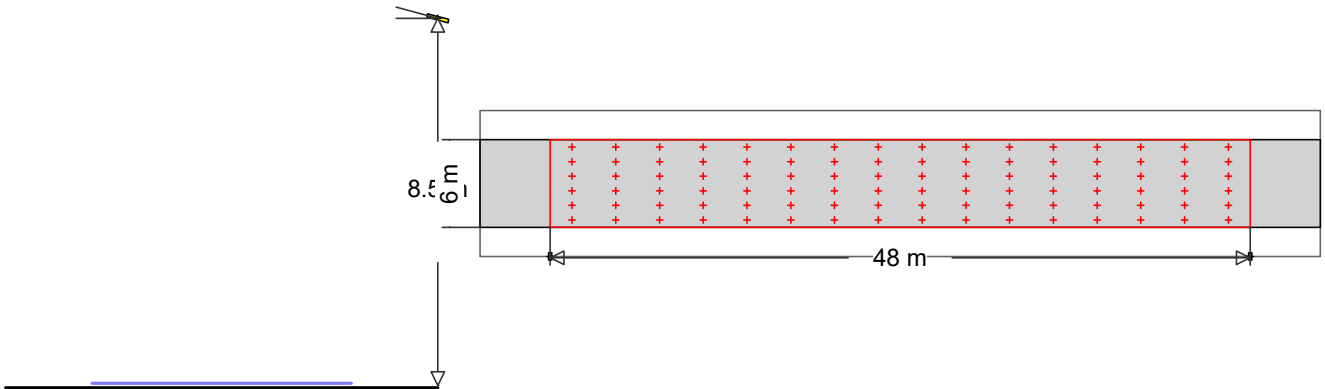


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7.2 Summary, 7

7.2.1 Result overview, 7



2 **LUG LIGHT FACTORY**
Order No. : 130292.5L122.130
Luminaire name : TRAFFIK LED ED 7750lm/740 IP66 O47 szary II kl.
Equipment : 1 x LED 4000K 45 W / 7750 lm

MyLumRow
Luminaire placing : Right row Maintenance factor : 0.85
Luminaire spacing : 48.00 m Height (phot centre) : 8.50 m
Overhang : -2.00 m Tilt : 15.00 °
Abs. position : -2.00 m Glare index class : D2
Load/km : 938 W/km Lum. intensity class : n/a

Droga
Width : 6.00 m Lanes : 2
Surface : R3, q0=0.07



Luminance Calculation field: 48m x 6m (16 x 6 pts)

Observer

2 : x=-60.00m, y=4.50m, z=1.50m

1 : x=-60.00m, y=1.50m, z=1.50m

Lane	$\bar{L}_m$	U_o	U_l	f_{TI}	R_{EI}
2:(y=4.50)	0.54 cd/m ²	0.40	0.51	9	0.63
1:(y=1.50)	0.50 cd/m ²	0.41	0.43	13	0.85
M5	>= 0.50 cd/m ²	>= 0.35	>= 0.40	<= 15	>= 0.30

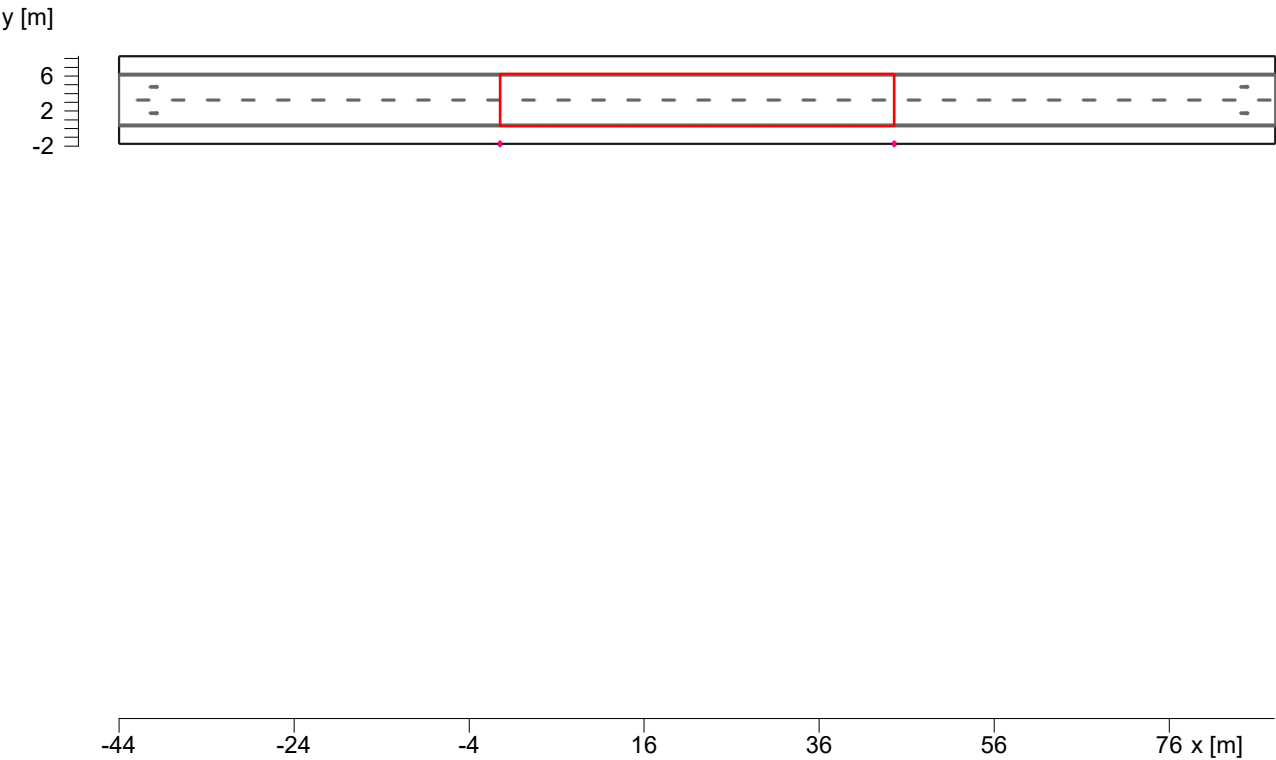
Illuminance Calculation field: 48m x 6m (16 x 6 pts)

$\bar{E}_m$	E_{min}	U_o	U_d
8.93 lx	2.36 lx	0.26	0.09

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8.1 Description, 8

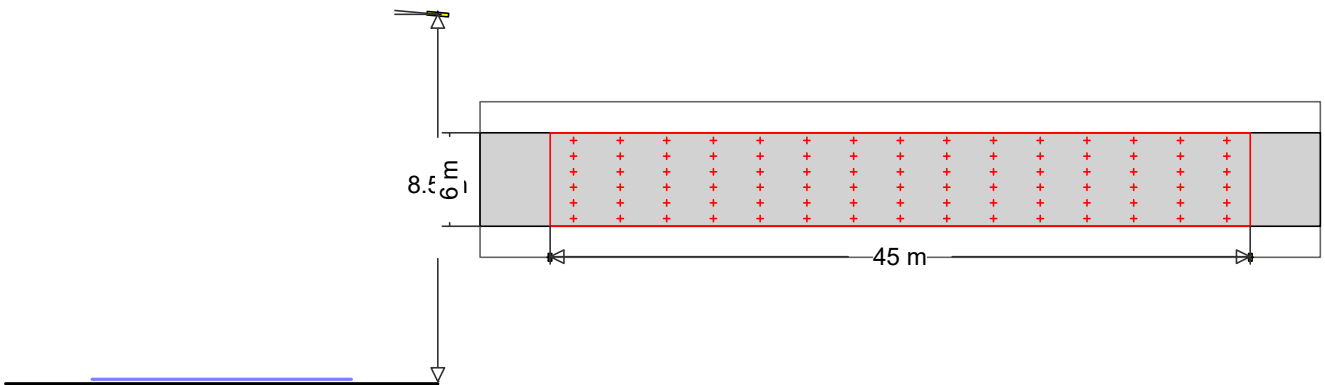
8.1.1 Floor plan



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8.2 Summary, 8

8.2.1 Result overview, 8



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LUG LIGHT FACTORY

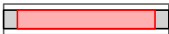
Order No. : 130292.5L122.130

Luminaire name : TRAFFIK LED ED 7750lm/740 IP66 O47 szary II kl.

Equipment : 1 x LED 4000K 45 W / 7750 lm

MyLumRow			
Luminaire placing	: Right row	Maintenance factor	: 0.85
Luminaire spacing	: 45.00 m	Height (phot centre)	: 8.50 m
Overhang	: -2.00 m	Tilt	: 5.00 °
Abs. position	: -2.00 m	Glare index class	: D4
Load/km	: 1000 W/km	Lum. intensity class	: G*2

Droga			
Width	: 6.00 m	Lanes	: 2
Surface	: R3, q0=0.07		



Luminance Calculation field: 45m x 6m (15 x 6 pts)

Observer

2 : x=-60.00m, y=4.50m, z=1.50m

1 : x=-60.00m, y=1.50m, z=1.50m

Lane	$\bar{L}_m$	U_o	U_l	f_{TI}	R_{EI}
2:(y=4.50)	0.55 cd/m ²	0.40	0.57	9	0.50
1:(y=1.50)	0.51 cd/m ²	0.42	0.44	11	1.03
M5	>= 0.50 cd/m ²	>= 0.35	>= 0.40	<= 15	>= 0.30

Illuminance Calculation field: 45m x 6m (15 x 6 pts)

$\bar{E}_m$	E_{min}	U_o	U_d
9.18 lx	2.77 lx	0.30	0.09