

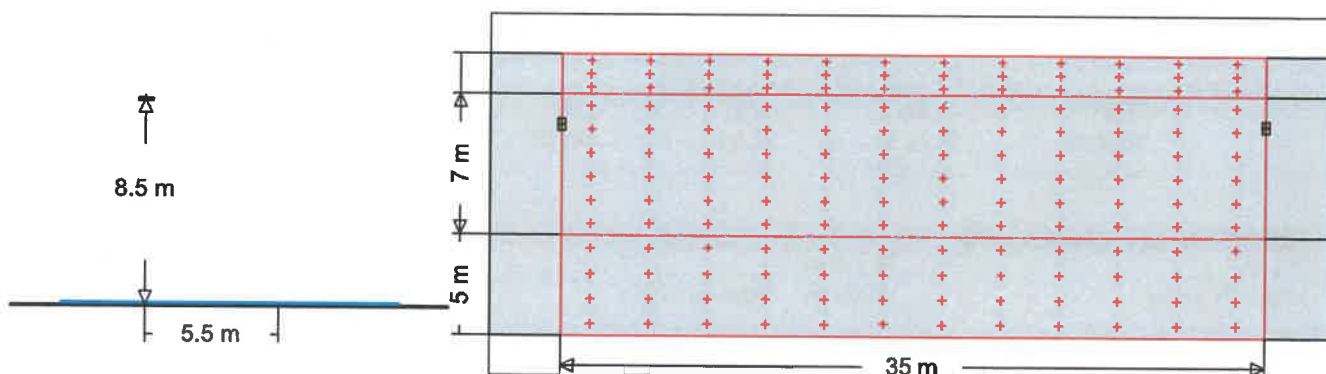
Object :
 Installation : oprawy drogowe
 Project number : Modernizacja oświetlenia - Czarnków
 Date : 28.12.2022

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11 36.Wroniecka (od Fabrycznej do Parkowej)

11.1 Summary, 36.Wroniecka (od Fabrycznej do Parkowej)

11.1.1 Result overview, 36.Wroniecka (od Fabrycznej do Parkowej)



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SCHREDER

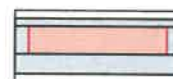
Order No. : 449322
 Luminaire name : IZYLUM 2 5303 [Flat glass], [Lum. shape-related, Plastic, White] Light Exhaust
 Equipment : 1 x 40 LEDs@450mA NW 740 230V 00-36-649 55 W / 8546 lm

MyLumRow

Luminaire placing	: Left row	Maintenance factor	: 0.80
Luminaire spacing	: 35.00 m	Height (phot. centre)	: 8.50 m
Overhang	: 1.50 m	Tilt	: 0.00 °
Abs. position	: 5.50 m	Glare index class	: D6
Load/km	: 1571 W/km	Lum. intensity class	: G*3
Upward light ratio (ULR)	: 0.00		

Road

Width : 7.00 m Lanes : 2
 Surface : R3, q0=0.07



Luminance

Calculation field: 35m x 7m (12 x 6 pts)

Observer

2 : x=-60.00m, y=5.25m, z=1.50m

1 : x=-60.00m, y=1.75m, z=1.50m

Lane	Em	Uo	UI	TI	Rei
2:(y=5.25)	0.93 cd/m²	0.58	0.66	10	0.56
1:(y=1.75)	0.97 cd/m²	0.61	0.74	10	0.69
M4	>= 0.75 cd/m²	>= 0.40	>= 0.60	<= 15	>= 0.30

Illuminance

Calculation field: 35m x 7m (12 x 6 pts)

Em	Emin	Uo	Ud
14.0 lx	5.77 lx	0.41	0.22

Object :
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11 36.Wroniecka (od Fabrycznej do Parkowej)

11.1 Summary, 36.Wroniecka (od Fabrycznej do Parkowej)

11.1.1 Result overview, 36.Wroniecka (od Fabrycznej do Parkowej)

CH1 (General surface, left)

Width : 2.00 m
 Kerb distance : 0.00 m Abs. position : 7.00 m



Illuminance Calculation field: 35m x 2m (12 x 3 pts)

	Em	Emin	Uo	Ud
	9.39 lx	3.91 lx	0.42	0.19
P3	>= 7.50 lx	>= 1.50 lx		

CH2 (General surface, right)

Width : 5.00 m
 Kerb distance : 0.00 m Abs. position : -0.00 m



Illuminance Calculation field: 35m x 5m (12 x 4 pts)

	Em	Emin	Uo	Ud
	8.23 lx	3.73 lx	0.45	0.22
P3	>= 7.50 lx	>= 1.50 lx		

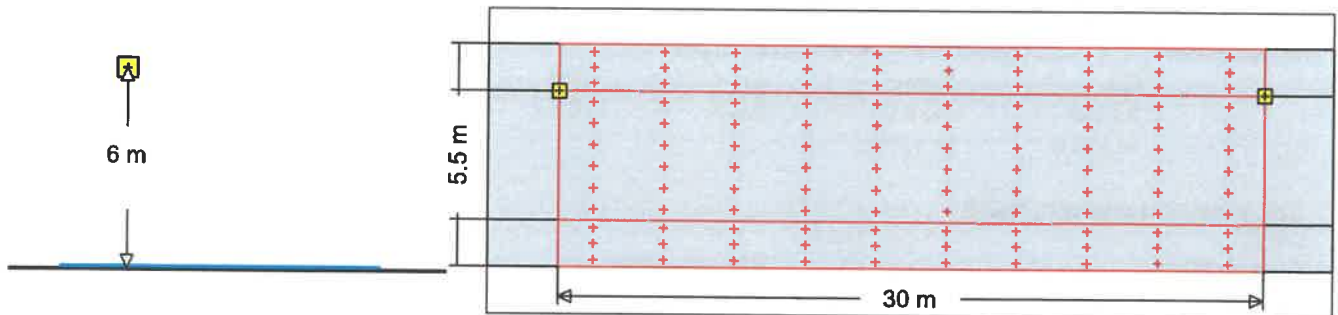
Object :
 Installation : oprawy zwieszane
 Project number : Modernizacja oświetlenia - Czarnków
 Date : 28.12.2022

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18 30.Wroniecka (od Gimnazjalnej do Krzyżowej)

18.1 Summary, 30.Wroniecka (od Gimnazjalnej do Krzyżowej)

18.1.1 Result overview, 30.Wroniecka (od Gimnazjalnej do Krzyżowej)



82 **SCHREDER**
 Order No. : 361822
 Luminaire name : ALBANY MIDI LED 5103 Deep shape PC Back Light 16 LH351C@70
 0mA WW 730 230V 00-3
 Equipment : 1 x 16 LH351C@700mA WW 730 230V 00-36-648 37 W / 3558 lm

MyLumRow

Luminaire placing	: Left row	Maintenance factor	: 0.80
Luminaire spacing	: 30.00 m	Height (phot centre)	: 6.00 m
Overhang	: 0.00 m	Tilt	: 0.00 °
Abs. position	: 5.50 m	Glare index class	: D6
Load/km	: 1233 W/km	Lum. intensity class	: n/a
Upward light ratio (ULR)	: 0.00		

Road

Width : 5.50 m Lanes : 2
 Surface : R3, q0=0.07



Luminance

Calculation field: 30m x 5.5m (10 x 6 pts)

Observer

2 : x=-60.00m, y=4.13m, z=1.50m

1 : x=-60.00m, y=1.38m, z=1.50m

Lane	Em	Uo	UI	TI	Rei
2:(y=4.13)	0.55 cd/m²	0.50	0.62	15	0.51
1:(y=1.38)	0.60 cd/m²	0.50	0.71	11	0.64
M5	>= 0.50 cd/m²	>= 0.35	>= 0.40	<= 15	>= 0.30

Illuminance

Calculation field: 30m x 5.5m (10 x 6 pts)

Em	Emin	Uo	Ud
8.50 lx	2.73 lx	0.32	0.14

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Object :
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 Project number : Modernizacja oświetlenia - Czarnków
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18 30.Wroniecka (od Gimnazjalnej do Krzyżowej)

18.1 Summary, 30.Wroniecka (od Gimnazjalnej do Krzyżowej)

18.1.1 Result overview, 30.Wroniecka (od Gimnazjalnej do Krzyżowej)

CH1 (General surface, left)

Width : 2.00 m
 Kerb distance : 0.00 m Abs. position : 5.50 m



Illuminance

Calculation field: 30m x 2m (10 x 3 pts)

	Em	Emin	Uo	Ud
	5.56 lx	1.27 lx	0.23	0.07
P4	>= 5.00 lx	>= 1.00 lx		

CH2 (General surface, right)

Width : 2.00 m
 Kerb distance : 0.00 m Abs. position : -0.00 m



Illuminance

Calculation field: 30m x 2m (10 x 3 pts)

	Em	Emin	Uo	Ud
	5.41 lx	3.40 lx	0.63	0.36
P4	>= 5.00 lx	>= 1.00 lx		

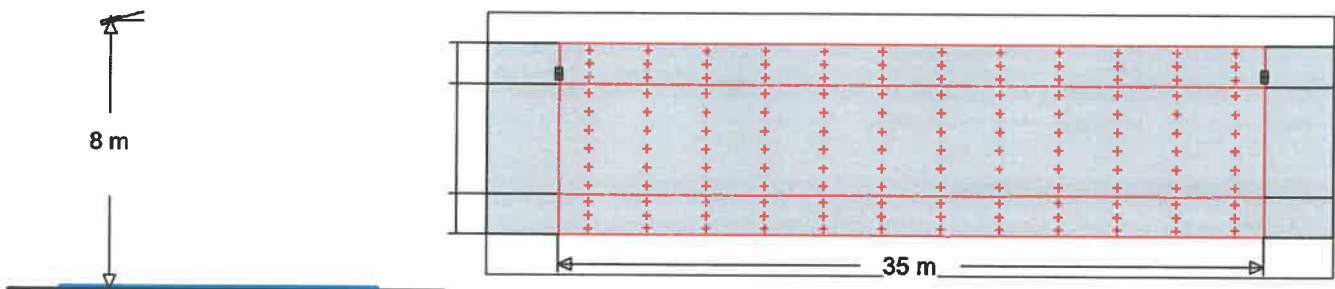
Object :
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2 10.Rolna

2.1 Summary, 10.Rolna

2.1.1 Result overview, 10.Rolna



3 **SCHREDER**
 Order No. : 450442
 Luminaire name : IZYLUM 1 5301 [Flat glass], [Lum. shape-related, Plastic, White] Light Exhaust
 Equipment : 1 x 20 LEDs@450mA NW 740 230V 00-36-646 28.8 W / 4296 lm

MyLumRow
 Luminaire placing : Left row
 Luminaire spacing : 35.00 m
 Overhang : -0.50 m
 Abs. position : 6.00 m
 Load/km : 823 W/km
 Upward light ratio (ULR) : 0.00
 Maintenance factor : 0.80
 Height (phot centre) : 8.00 m
 Tilt : 15.00 °
 Glare index class : D5
 Lum. intensity class : n/a

Road
 Width : 5.50 m Lanes : 2
 Surface : R3, q0=0.07



Luminance Calculation field: 35m x 5.5m (12 x 6 pts)

Observer

2 : x=-60.00m, y=4.13m, z=1.50m

1 : x=-60.00m, y=1.38m, z=1.50m

Lane	Em	Uo	UI	TI	Rei
2:(y=4.13)	0.52 cd/m²	0.62	0.63	9	0.55
1:(y=1.38)	0.56 cd/m²	0.63	0.77	10	0.60
M5	>= 0.50 cd/m²	>= 0.35	>= 0.40	<= 15	>= 0.30

Illuminance Calculation field: 35m x 5.5m (12 x 6 pts)

Em	Emin	Uo	Ud
8.37 lx	2.45 lx	0.29	0.15

Object :
 Installation : oprawy drogowe
 Project number : Modernizacja oświetlenia - Czarnków
 Date : 28.12.2022



2 10.Rolna

2.1 Summary, 10.Rolna

2.1.1 Result overview, 10.Rolna

CH1 (General surface, left)

Width : 2.00 m
 Kerb distance : 0.00 m Abs. position : 5.50 m



Illuminance				
	Calculation field: 35m x 2m (12 x 3 pts)			
	Em	Emin	Uo	Ud
	5.12 lx	1.27 lx	0.25	0.10
P4	>= 5.00 lx	>= 1.00 lx		

CH2 (General surface, right)

Width : 2.00 m
 Kerb distance : 0.00 m Abs. position : -0.00 m



Illuminance				
	Calculation field: 35m x 2m (12 x 3 pts)			
	Em	Emin	Uo	Ud
	5.46 lx	3.47 lx	0.64	0.36
P4	>= 5.00 lx	>= 1.00 lx		

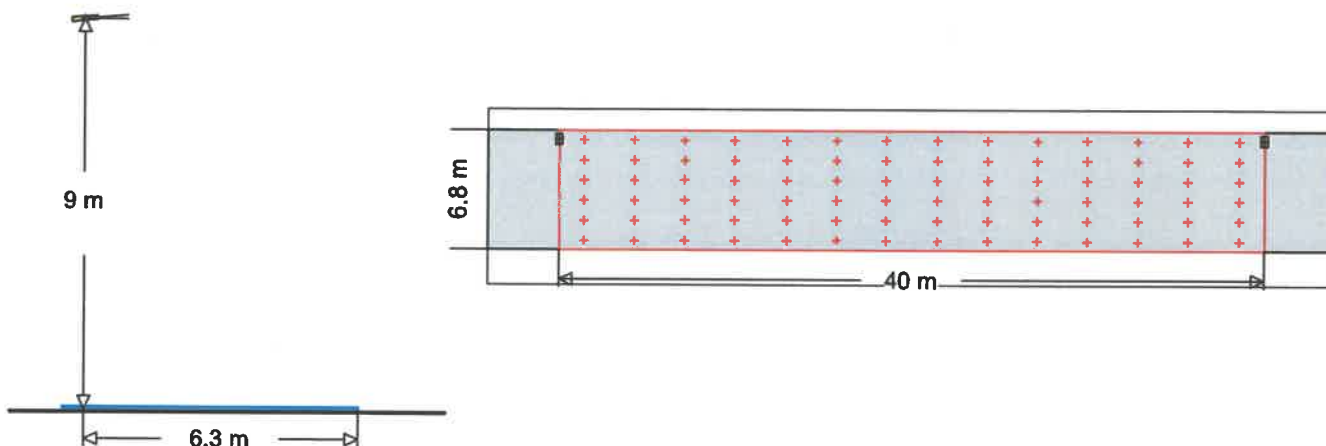
Object :
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 Date : 28.12.2022

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5 15.Poznańska

5.1 Summary, 15.Poznańska

5.1.1 Result overview, 15.Poznańska



SCHREDER
 32 Order No. : 449202
 Luminaire name : IZYLUM 2 5301 [Flat glass], [Lum. shape-related, Plastic, White] Light Exhaust
 Equipment : 1 x 40 LEDs@450mA NW 740 230V 00-36-649 55 W / 8540 lm

MyLumRow

Luminaire placing	: Left row	Maintenance factor	: 0.80
Luminaire spacing	: 40.00 m	Height (phot centre)	: 9.00 m
Overhang	: 0.50 m	Tilt	: 5.00 °
Abs. position	: 6.30 m	Glare index class	: D6
Load/km	: 1375 W/km	Lum. intensity class	: G*2
Upward light ratio (ULR)	: 0.00		

Road

Width : 6.80 m Lanes : 2
 Surface : R3, q0=0.07



Luminance

Calculation field: 40m x 6.8m (14 x 6 pts)

Observer

2 : x=-60.00m, y=5.10m, z=1.50m

1 : x=-60.00m, y=1.70m, z=1.50m

Lane	Em	Uo	UI	TI	Rei
2:(y=5.10)	0.93 cd/m²	0.46	0.66	10	0.52
1:(y=1.70)	1.00 cd/m²	0.48	0.74	10	0.42
M4	>= 0.75 cd/m²	>= 0.40	>= 0.60	<= 15	>= 0.30

Illuminance

Calculation field: 40m x 6.8m (14 x 6 pts)

Em	Emin	Uo	Ud
13.8 lx	4.40 lx	0.32	0.15

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