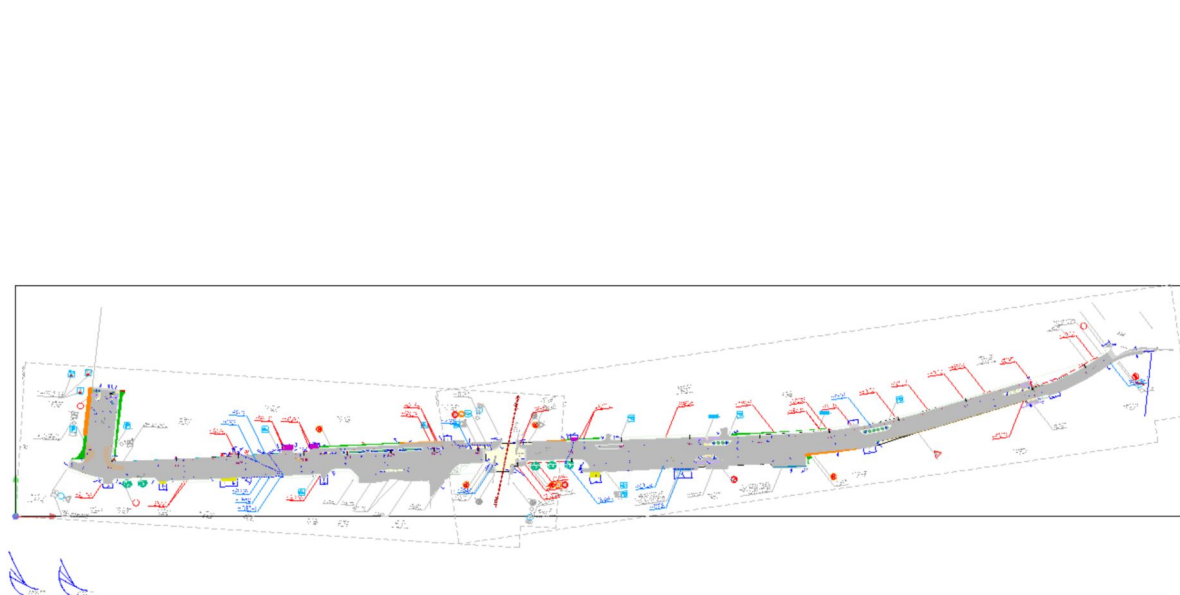




Upes iela Rūjienā, Valmieras novadā

Table of Contents

Cover	1
Table of Contents	2
Contacts	3

Product data sheets

Schröder - IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W /	4
Embellishment plate - [O-R] / 630612 (1x 25 LEDs 500mA NW 740)	
Schröder - TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752 (1x	6
40 LEDs 300mA NW 740)	

Site 1

Images	7
Luminaire layout plan	10
Luminaire list	14
Calculation objects / Light scene 1	15
Upes iela Nr. 1 - 8 / Light scene 1 / Perpendicular illuminance	17
Upes iela Nr. 9 - 10 / Light scene 1 / Perpendicular illuminance	18
Upes iela Nr. 11 - 14 / Light scene 1 / Perpendicular illuminance	19
Upes iela Nr. 15 - 19 / Light scene 1 / Perpendicular illuminance	20

Upes iela Nr. 1 - 8 · Alternative 1

Summary (according to EN 13201:2015)	21
--	----

Upes iela Nr. 9 - 10 · Alternative 2

Summary (according to EN 13201:2015)	25
--	----

Upes iela Nr. 11 - 14 · Alternative 3

Summary (according to EN 13201:2015)	29
--	----

Upes iela Nr. 15 - 19 · Alternative 4

Summary (according to EN 13201:2015)	32
--	----

Contacts



Pārdošanas speciālists
Agris Želvis

ELKO SIA
Apiņu iela 7, Krustkalni,
Ķekavas pagasts, LV-2111

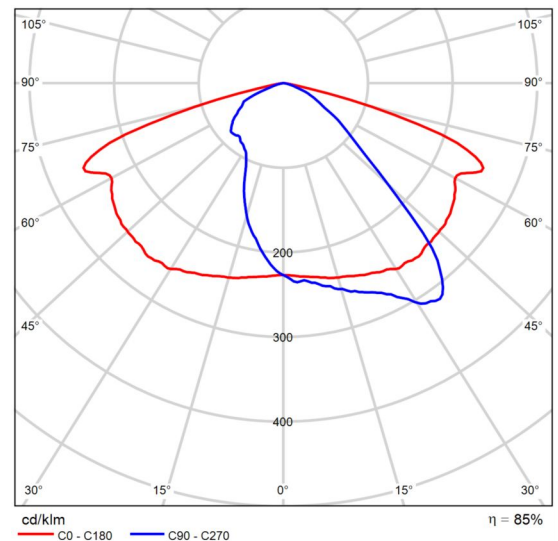
T +371 29181313
agris.zelvis@elkosia.lv

Product data sheet

Schröder - IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612



P	38.2 W
Φ_{Lamp}	7072 lm
$\Phi_{\text{Luminaire}}$	6004 lm
η	84.90 %
Luminous efficacy	157.2 lm/W
CCT	4000 K
CRI	70



Polar LDC

The IZYLUM NEO luminaires have been optimised to deliver enhanced energy efficiency in a compact, user-friendly, sustainable housing.

The luminaires' body and fixation parts are made of die-casted aluminium, while the protector is made of flat glass. Combining durable materials and an aerodynamic profile, IZYLUM NEO is built to withstand the rigours of time and the environment, ensuring long-lasting reliability with minimal maintenance requirements.

Available in different sizes, IZYLUM NEO provides a well-dimensioned, efficient lighting solution suitable for various road and urban applications.

Engineered for the best efficiency, it takes advantage of the LensoFlex®4 and HiFlex™ photometric platforms, offering flexible, energy-efficient solutions that can be tailored to meet the specific lighting needs of any project, while maximising savings and providing a quick return on investment.

To simplify installation and maintenance operations, IZYLUM NEO benefits from the latest generation of the IzyFix universal fixation system, adapted to post-top and side-entry mounting on any spigot (Ø32mm, Ø42-48mm, Ø60mm and Ø76mm). This innovative fixation enables switching from one position to another at any time, without removing the luminaire from the pole. This unique feature eases installation and offers complete versatility for pole and bracket configurations.

Product data sheet

Schröder - IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612

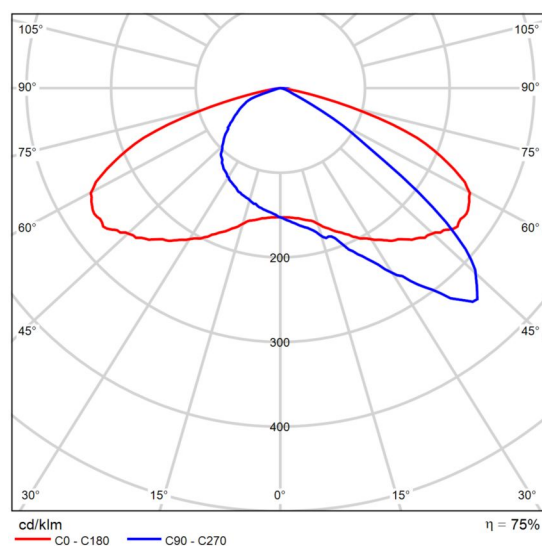
IZYLUM NEO can optionally be equipped with a NEMA or a Zhaga socket, enabling it to easily integrate with existing connected lighting networks to support the development of smart cities. Thanks to an optional lower socket, the addition of a sensor is fast and easy, providing light-on-demand scenarios.

Product data sheet

Schröder - TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752



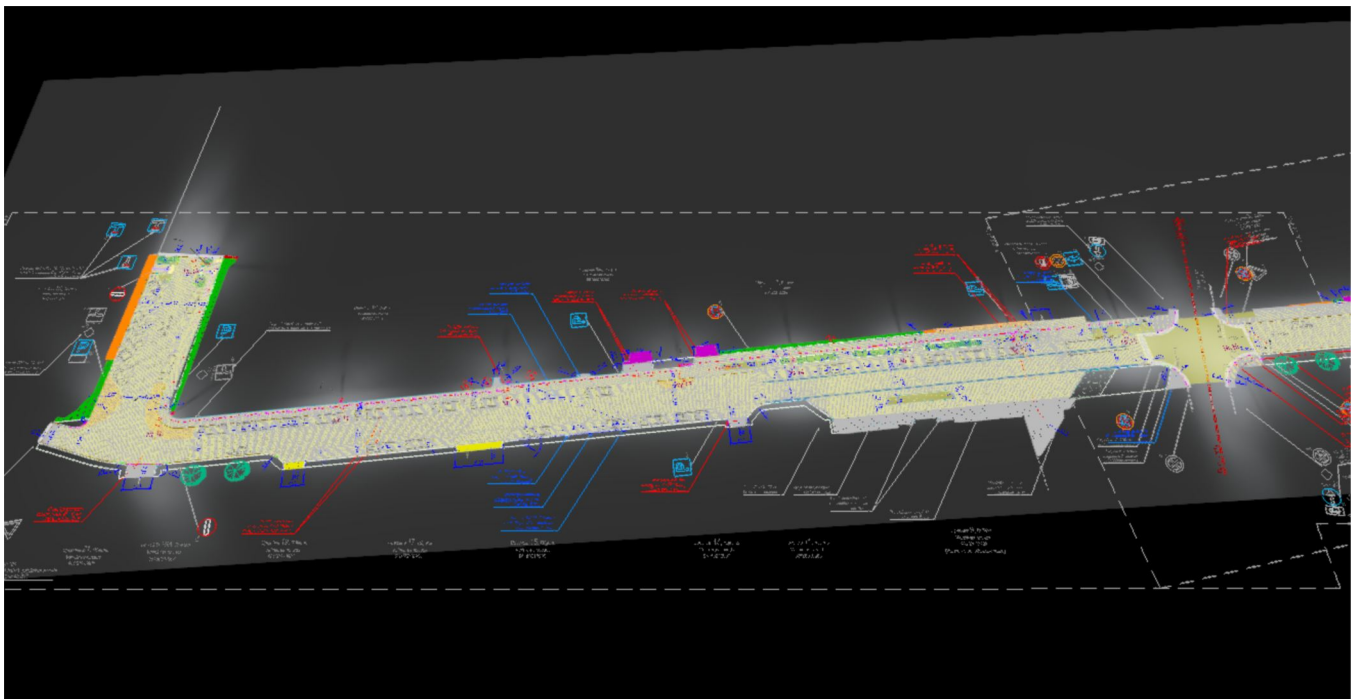
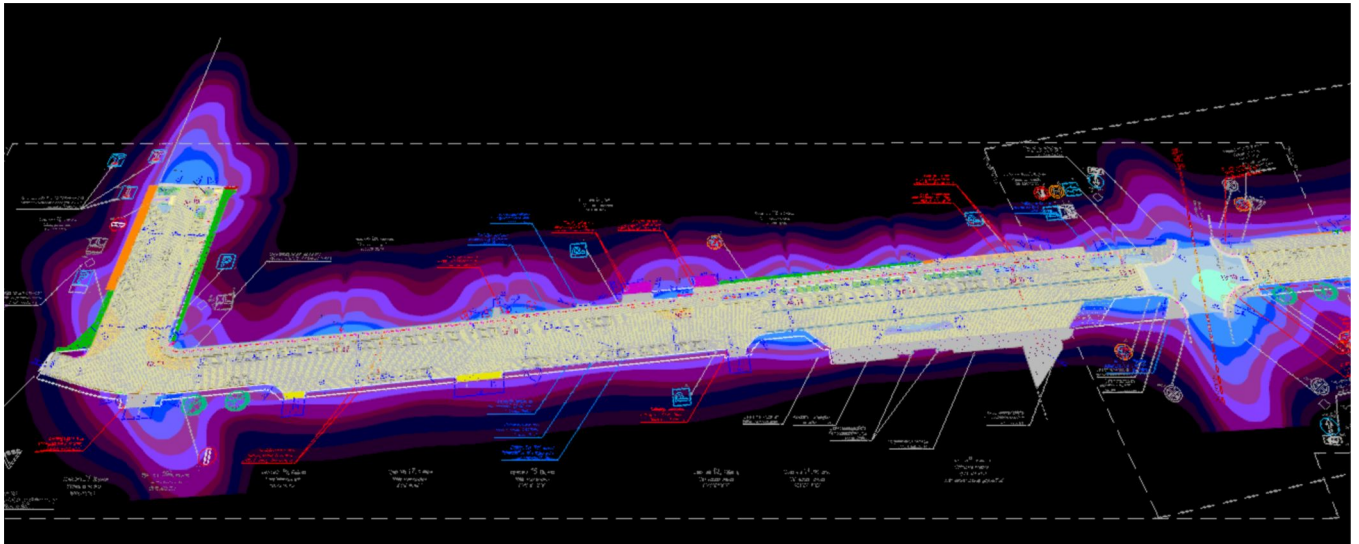
P	36.8 W
Φ_{Lamp}	7208 lm
$\Phi_{\text{Luminaire}}$	5392 lm
η	74.81 %
Luminous efficacy	146.5 lm/W
CCT	4000 K
CRI	70



Polar LDC

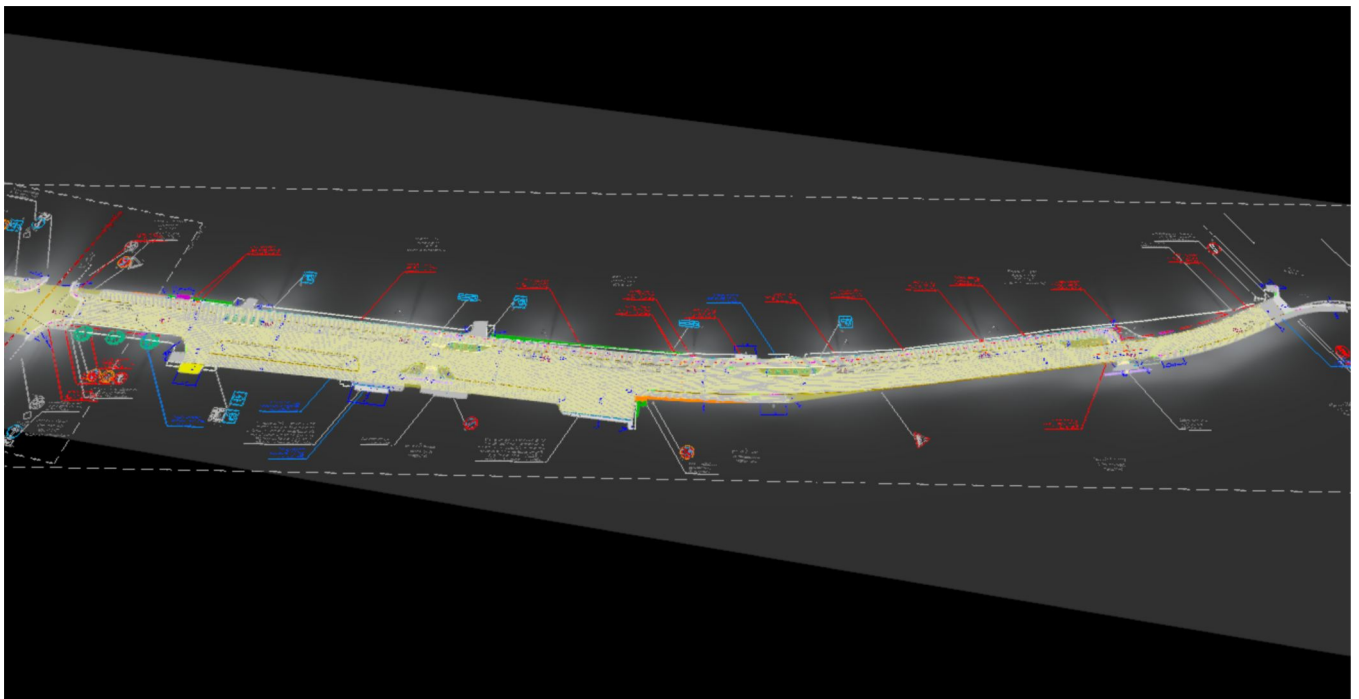
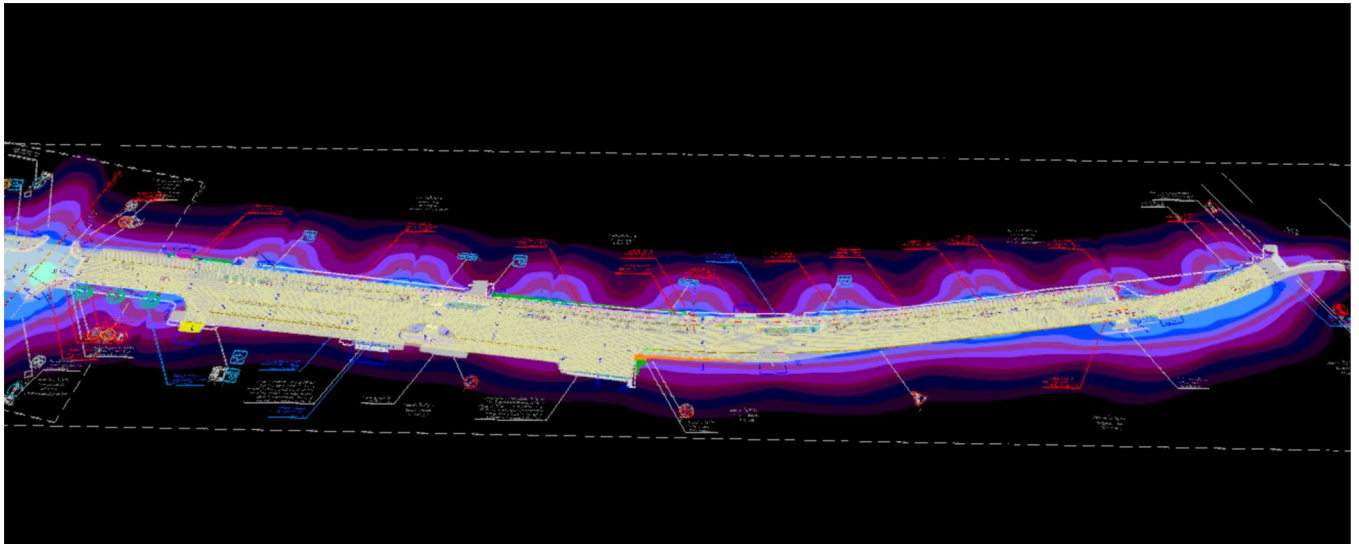
Site 1

Images



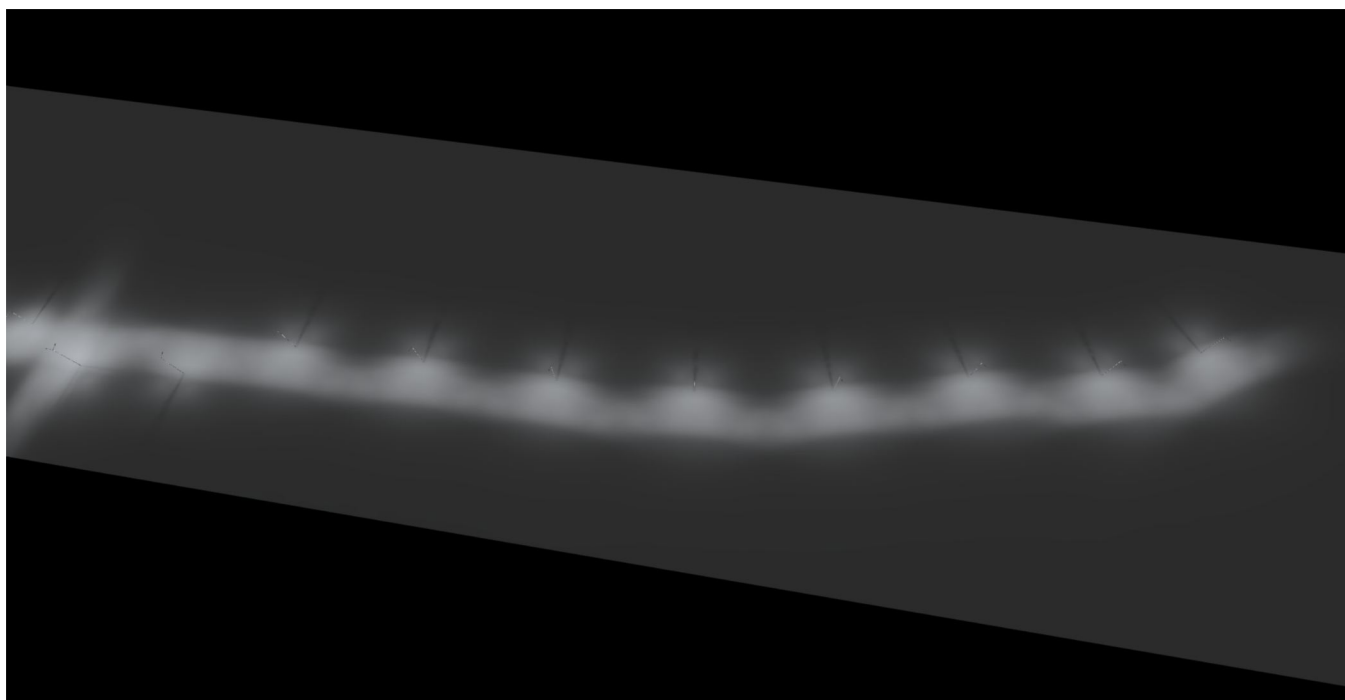
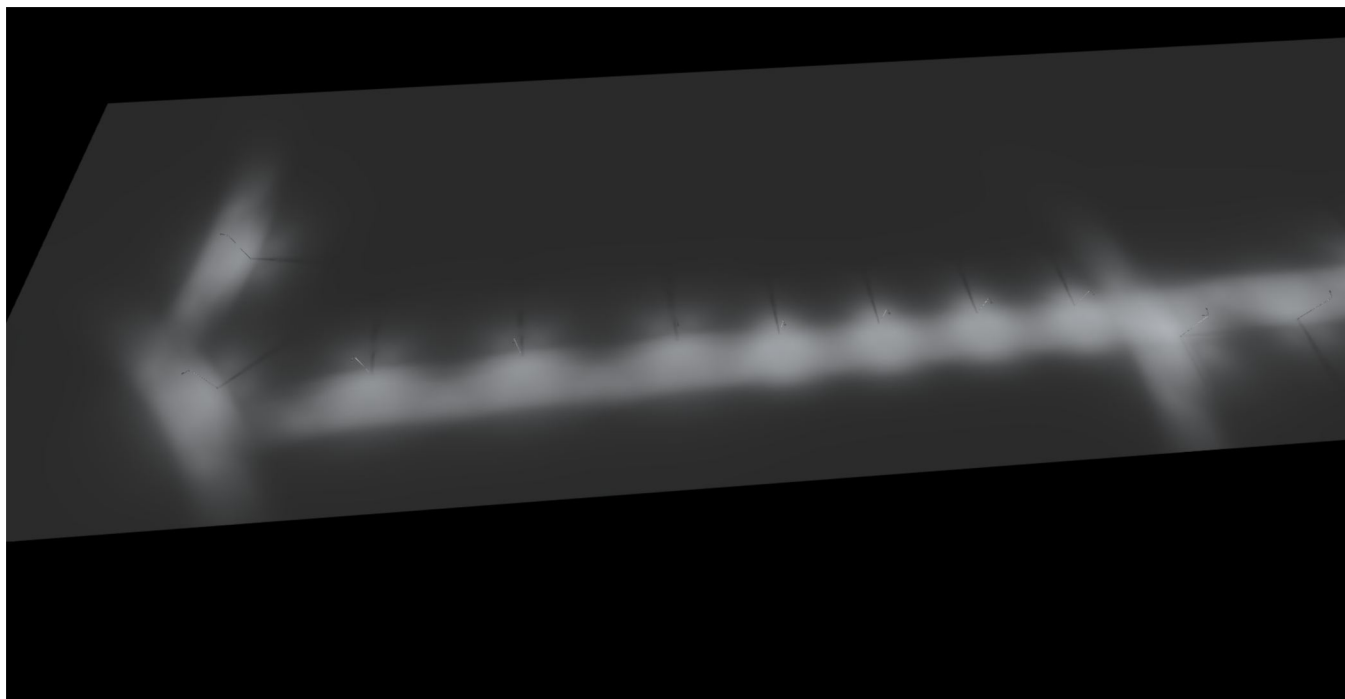
Site 1

Images



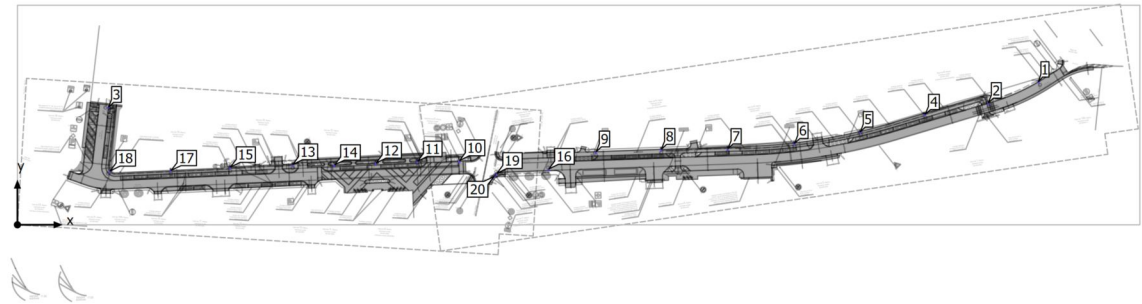
Site 1

Images



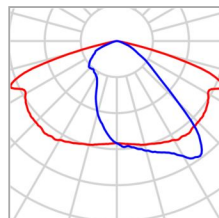
Site 1

Luminaire layout plan



Site 1

Luminaire layout plan



Manufacturer	Schröder	P	38.2 W
Article name	IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612	$\Phi_{\text{Luminaire}}$	6004 lm
Fitting	1x 25 LEDs 500mA NW 740		

Individual luminaires

X	Y	Mounting height	Luminaire
490.331 m	68.449 m	8.000 m	1
466.115 m	58.300 m	8.000 m	2
43.685 m	56.176 m	8.000 m	3
435.689 m	52.859 m	8.000 m	4
404.676 m	44.362 m	8.000 m	5
373.032 m	38.847 m	8.000 m	6
341.052 m	36.390 m	8.000 m	7
309.043 m	36.008 m	8.000 m	8
277.724 m	34.836 m	8.000 m	9
132.040 m	28.651 m	8.000 m	13
102.084 m	27.412 m	8.000 m	15
254.950 m	26.075 m	8.000 m	16

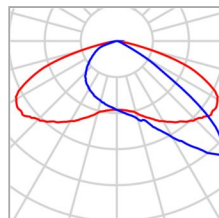
Site 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
73.606 m	25.897 m	8.000 m	17
44.479 m	25.503 m	8.000 m	18
230.068 m	24.036 m	8.000 m	19
229.086 m	23.025 m	8.000 m	20

Site 1

Luminaire layout plan



Manufacturer	Schröder	P	36.8 W
Article name	TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752	$\Phi_{\text{Luminaire}}$	5392 lm
Fitting	1x 40 LEDs 300mA NW 740		

Individual luminaires

X	Y	Mounting height	Luminaire
211.986 m	30.610 m	6.000 m	10
191.961 m	30.378 m	6.000 m	11
172.002 m	29.527 m	6.000 m	12
152.025 m	28.648 m	6.000 m	14

Site 1

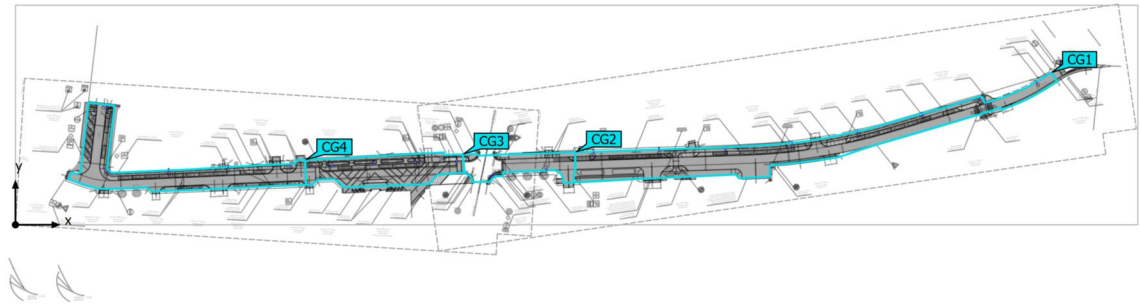
Luminaire list

Φ_{total} 117632 lm	P_{total} 758.4 W	Luminous efficacy 155.1 lm/W
------------------------------------	-------------------------------	---------------------------------

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
16	Schröder		IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612	38.2 W	6004 lm	157.2 lm/W
4	Schröder		TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752	36.8 W	5392 lm	146.5 lm/W

Site 1 (Light scene 1)

Calculation objects



Site 1 (Light scene 1)

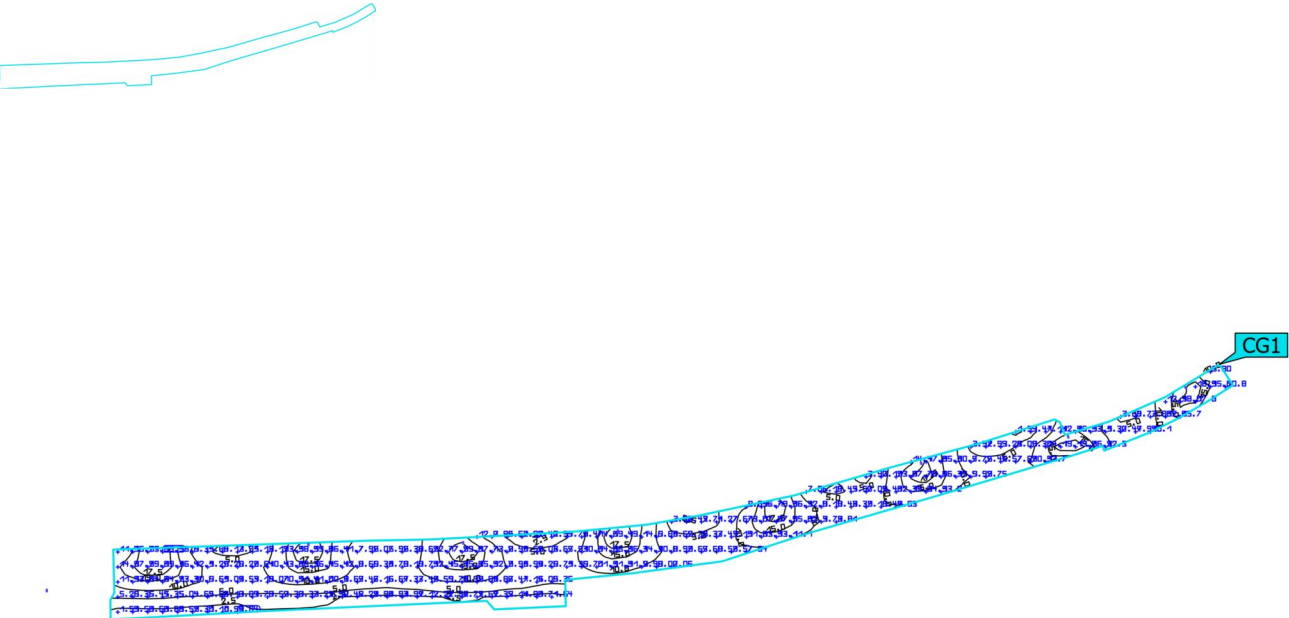
Calculation objects

Calculation surfaces

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Upes iela Nr. 1 - 8 Perpendicular illuminance Height: 0.000 m	9.50 lx	0.84 lx	19.9 lx	0.088	0.042	CG1
Upes iela Nr. 11 - 14 Perpendicular illuminance Height: 0.000 m	14.6 lx	2.46 lx	28.8 lx	0.17	0.085	CG3
Upes iela Nr. 15 - 19 Perpendicular illuminance Height: 0.000 m	9.96 lx	0.61 lx	20.0 lx	0.061	0.031	CG4
Upes iela Nr. 9 - 10 Perpendicular illuminance Height: 0.000 m	17.5 lx	1.42 lx	38.2 lx	0.081	0.037	CG2

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)
Upes iela Nr. 1 - 8

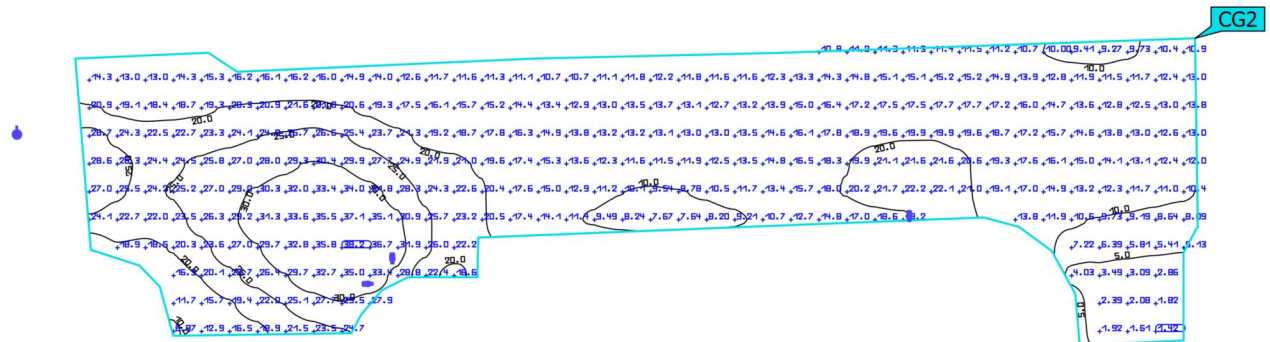


Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Upes iela Nr. 1 - 8 Perpendicular illuminance Height: 0.000 m	9.50 lx	0.84 lx	19.9 lx	0.088	0.042	CG1

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Upes iela Nr. 9 - 10

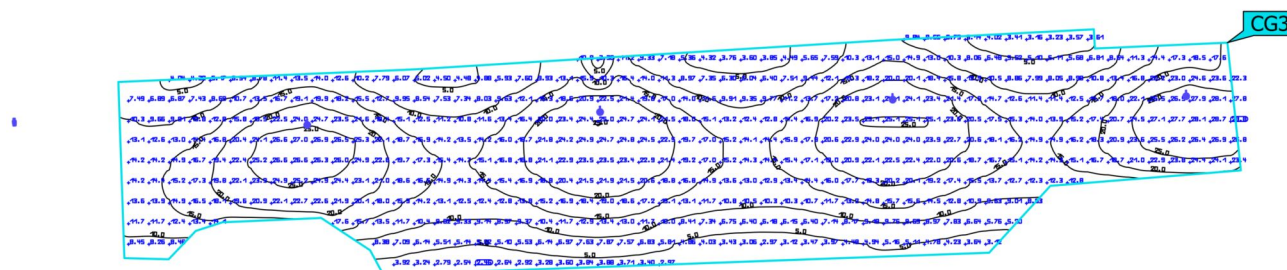


Properties	$\bar{E}$	E_{min}	E_{max}	$U_0 (g_1)$	g_2	Index
Upes iela Nr. 9 - 10	17.5 lx	1.42 lx	38.2 lx	0.081	0.037	CG2
Perpendicular illuminance						
Height: 0.000 m						

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Upes iela Nr. 11 - 14

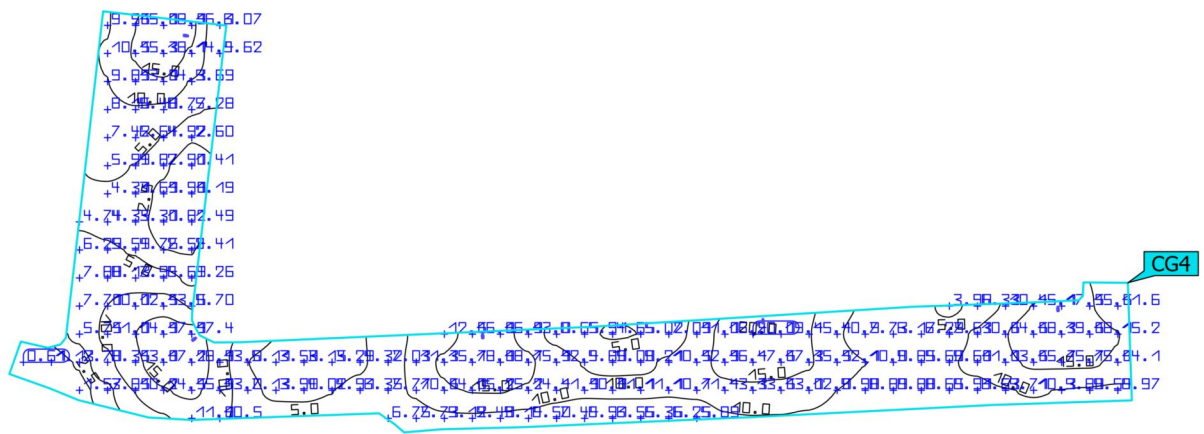


Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Upes iela Nr. 11 - 14 Perpendicular illuminance Height: 0.000 m	14.6 lx	2.46 lx	28.8 lx	0.17	0.085	CG3

Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Site 1 (Light scene 1)

Upes iela Nr. 15 - 19

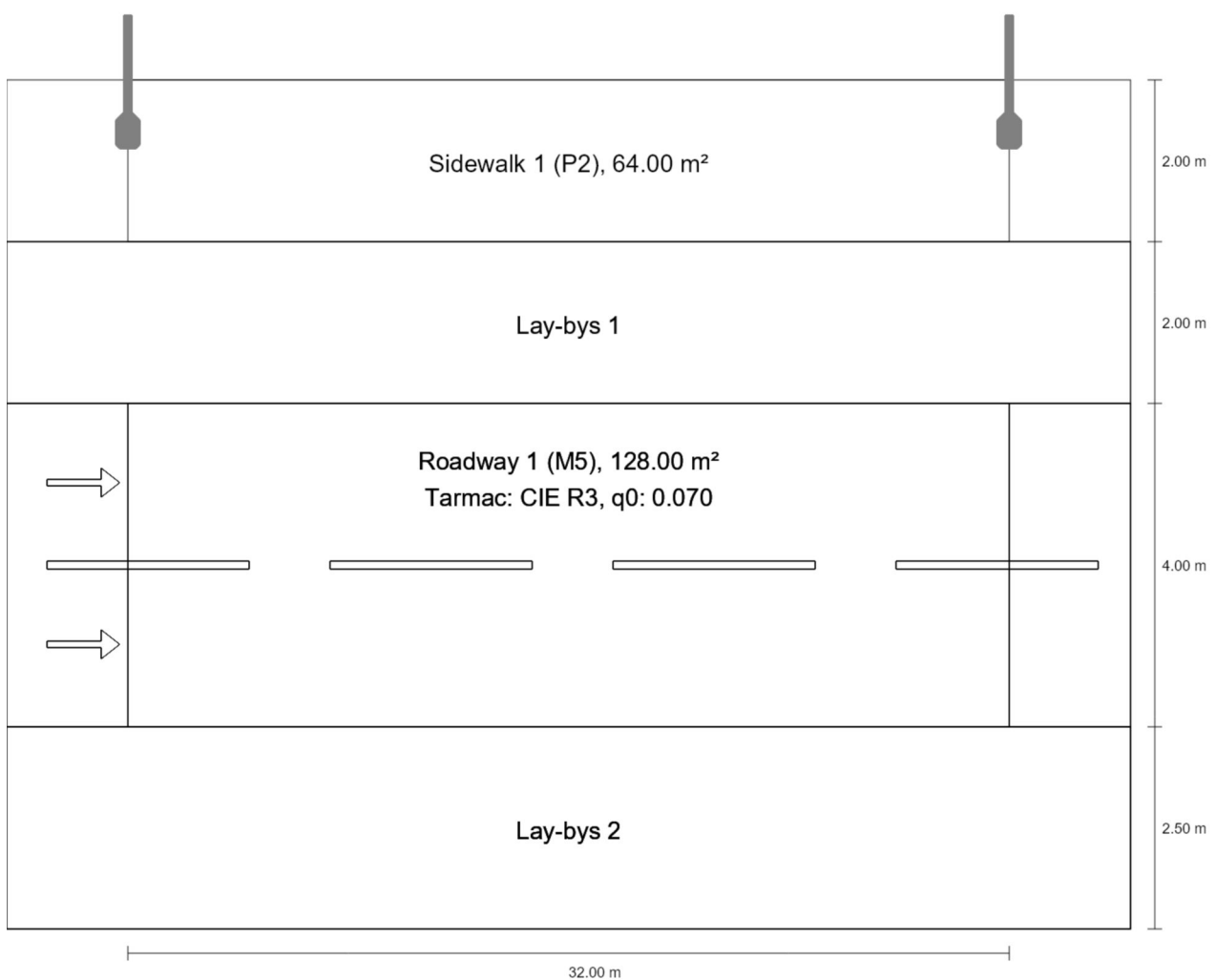


Properties	$\bar{E}$	E_{min}	E_{max}	$U_0 (g_1)$	g_2	Index
Upes iela Nr. 15 - 19 Perpendicular illuminance Height: 0.000 m	9.96 lx	0.61 lx	20.0 lx	0.061	0.031	CG4

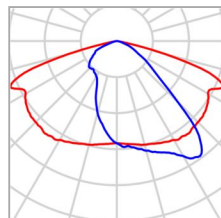
Utilisation profile: DIALux presetting (5.1.4 Standard (outdoor transportation area))

Upes iela Nr. 1 - 8

Summary (according to EN 13201:2015)



Upes iela Nr. 1 - 8

Summary (according to EN 13201:2015)

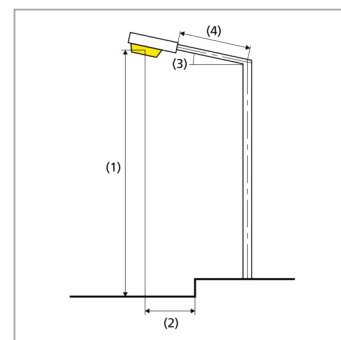
Manufacturer	Schröder	P	38.2 W
Article name	IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612	Φ_{Lamp}	7072 lm
		$\Phi_{\text{Luminaire}}$	6004 lm
		η	84.90 %
Fitting	1x 25 LEDs 500mA NW 740		

Upes iela Nr. 1 - 8

Summary (according to EN 13201:2015)

IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612
(single side top)

Pole distance	32.000 m
(1) Light spot height	8.000 m
(2) Light point overhang	-3.399 m
(3) Boom inclination	5.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 38.2 W
Wattage / route	1184.2 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 689 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 112 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*2
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.5
MF	0.80



Upes iela Nr. 1 - 8

Summary (according to EN 13201:2015)

Results for valuation fields

A maintenance factor of 0.80 was used for calculating for the installation.

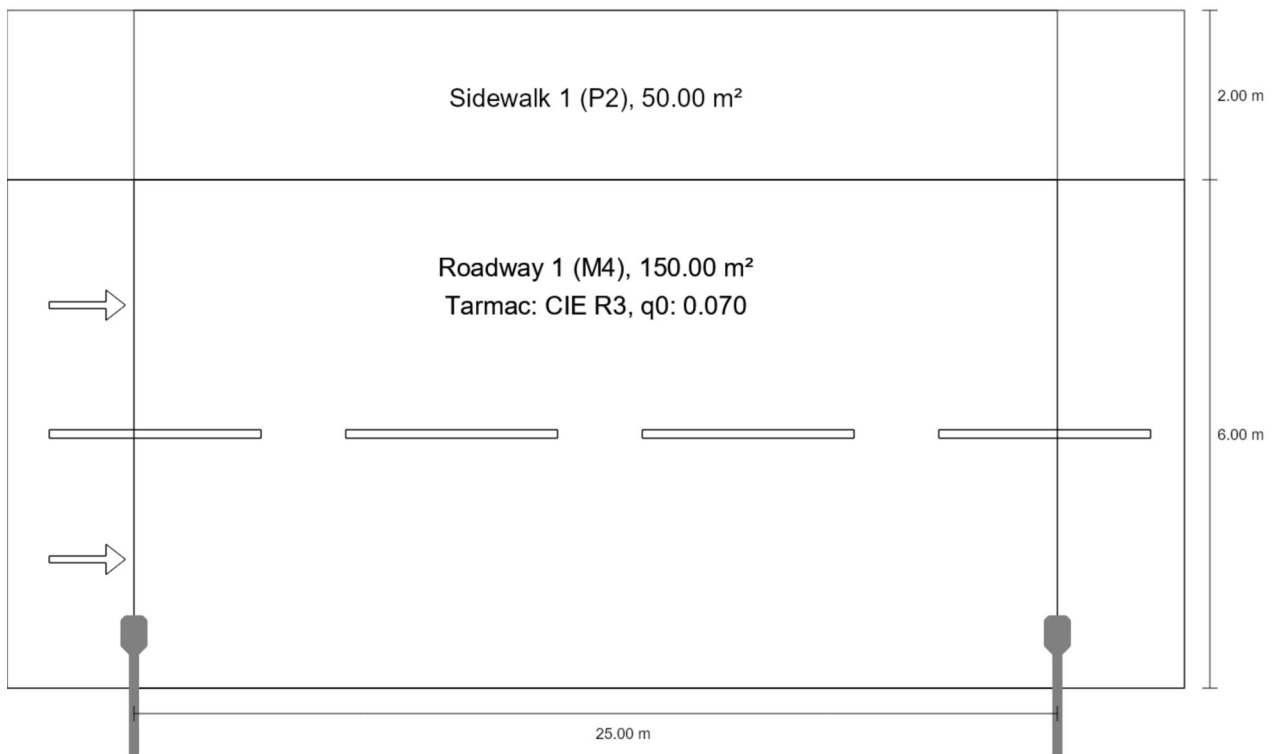
	Symbol	Calculated	Target	Check
Sidewalk 1 (P2)	E_{av}	10.01 lx	[10.00 - 15.00] lx	✓
	E_{min}	2.90 lx	≥ 2.00 lx	✓
Roadway 1 (M5)	L_{av}	0.63 cd/m ²	≥ 0.50 cd/m ²	✓
	U_o	0.66	≥ 0.35	✓
	U_l	0.73	≥ 0.40	✓
	TI	13 %	≤ 15 %	✓
	R_{EI}	0.67	≥ 0.30	✓

Results for energy efficiency indicators

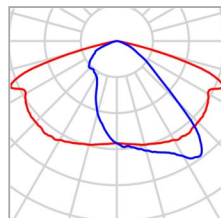
	Symbol	Calculated	Energy Consumption
Upes iela Nr. 1 - 8	D_p	0.018 W/lx*m ²	–
IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O- R] / 630612 (single side top)	D_e	0.8 kWh/m ² yr	152.8 kWh/yr

Upes iela Nr. 9 - 10

Summary (according to EN 13201:2015)



Upes iela Nr. 9 - 10

Summary (according to EN 13201:2015)

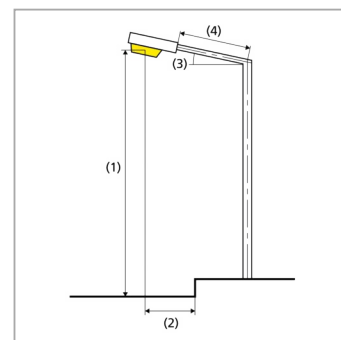
Manufacturer	Schröder	P	38.2 W
Article name	IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612	Φ_{Lamp}	7072 lm
		$\Phi_{\text{Luminaire}}$	6004 lm
		η	84.90 %
Fitting	1x 25 LEDs 500mA NW 740		

Upes iela Nr. 9 - 10

Summary (according to EN 13201:2015)

IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612
(single side bottom)

Pole distance	25.000 m
(1) Light spot height	8.000 m
(2) Light point overhang	0.601 m
(3) Boom inclination	5.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 38.2 W
Wattage / route	1528.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 689 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 112 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*2
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.5
MF	0.80



Upes iela Nr. 9 - 10

Summary (according to EN 13201:2015)

Results for valuation fields

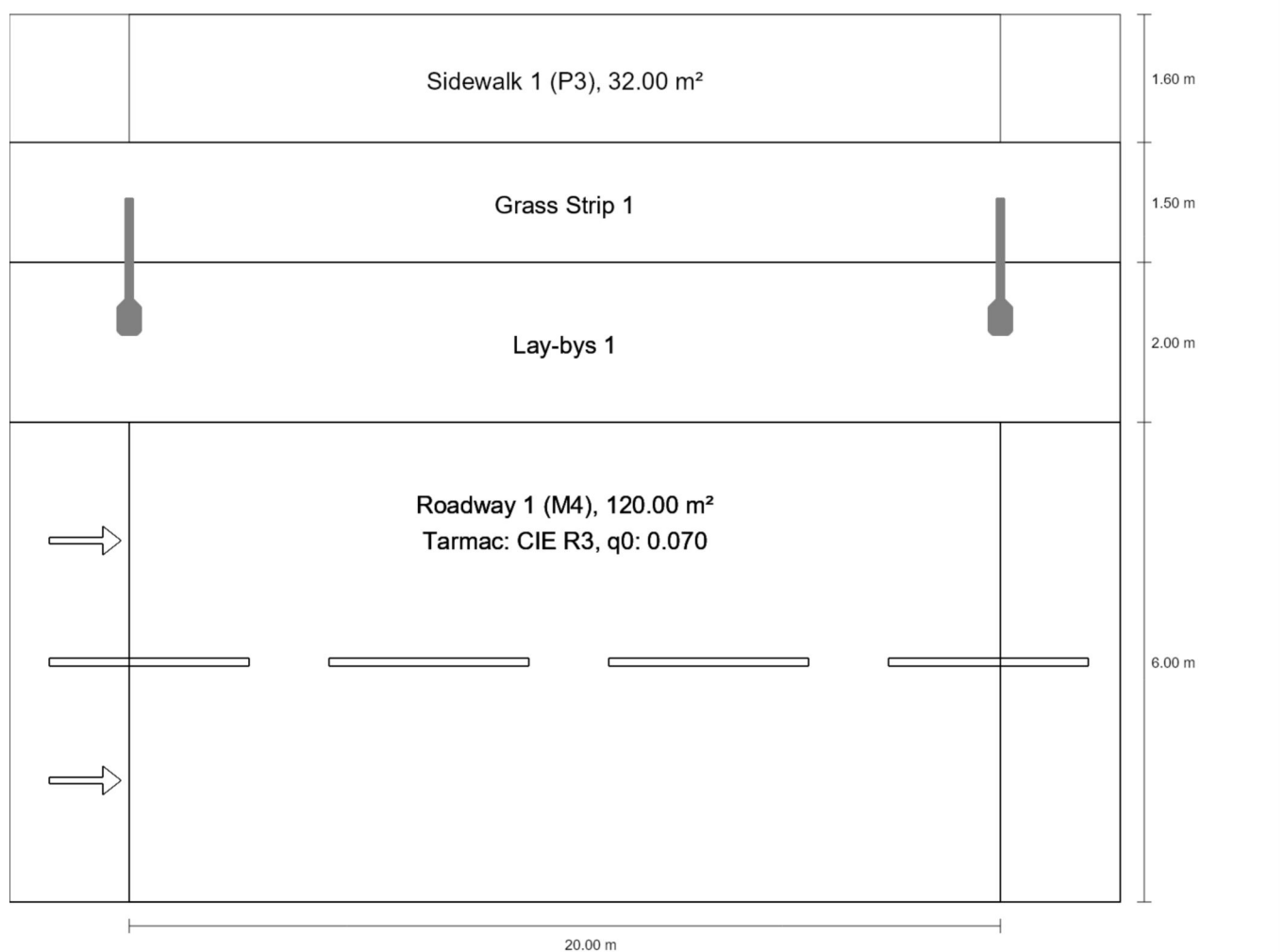
A maintenance factor of 0.80 was used for calculating for the installation.

	Symbol	Calculated	Target	Check
Sidewalk 1 (P2)	E_{av}	13.89 lx	[10.00 - 15.00] lx	✓
	E_{min}	11.42 lx	≥ 2.00 lx	✓
Roadway 1 (M4)	L_{av}	0.92 cd/m ²	≥ 0.75 cd/m ²	✓
	U_o	0.72	≥ 0.40	✓
	U_l	0.84	≥ 0.60	✓
	TI	10 %	≤ 15 %	✓
	R_{EI}	0.51	≥ 0.30	✓

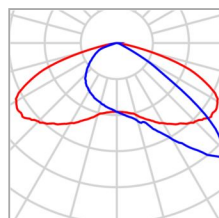
Results for energy efficiency indicators

	Symbol	Calculated	Energy Consumption
Upes iela Nr. 9 - 10	D_p	0.013 W/lx*m ²	–
IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612 (single side bottom)	D_e	0.8 kWh/m ² yr	152.8 kWh/yr

Upes iela Nr. 11 - 14

Summary (according to EN 13201:2015)

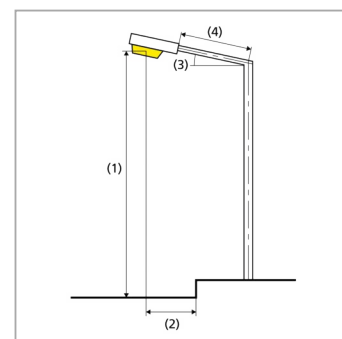
Upes iela Nr. 11 - 14

Summary (according to EN 13201:2015)

Manufacturer	Schröder	P	36.8 W
Article name	TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752	Φ_{Lamp}	7208 lm
		$\Phi_{\text{Luminaire}}$	5392 lm
Fitting	1x 40 LEDs 300mA NW 740	η	74.81 %

TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752 (single side top)

Pole distance	20.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	-1.344 m
(3) Boom inclination	5.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 36.8 W
Wattage / route	1840.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 356 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 47.4 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*4
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.6
MF	0.80



Upes iela Nr. 11 - 14

Summary (according to EN 13201:2015)

Results for valuation fields

A maintenance factor of 0.80 was used for calculating for the installation.

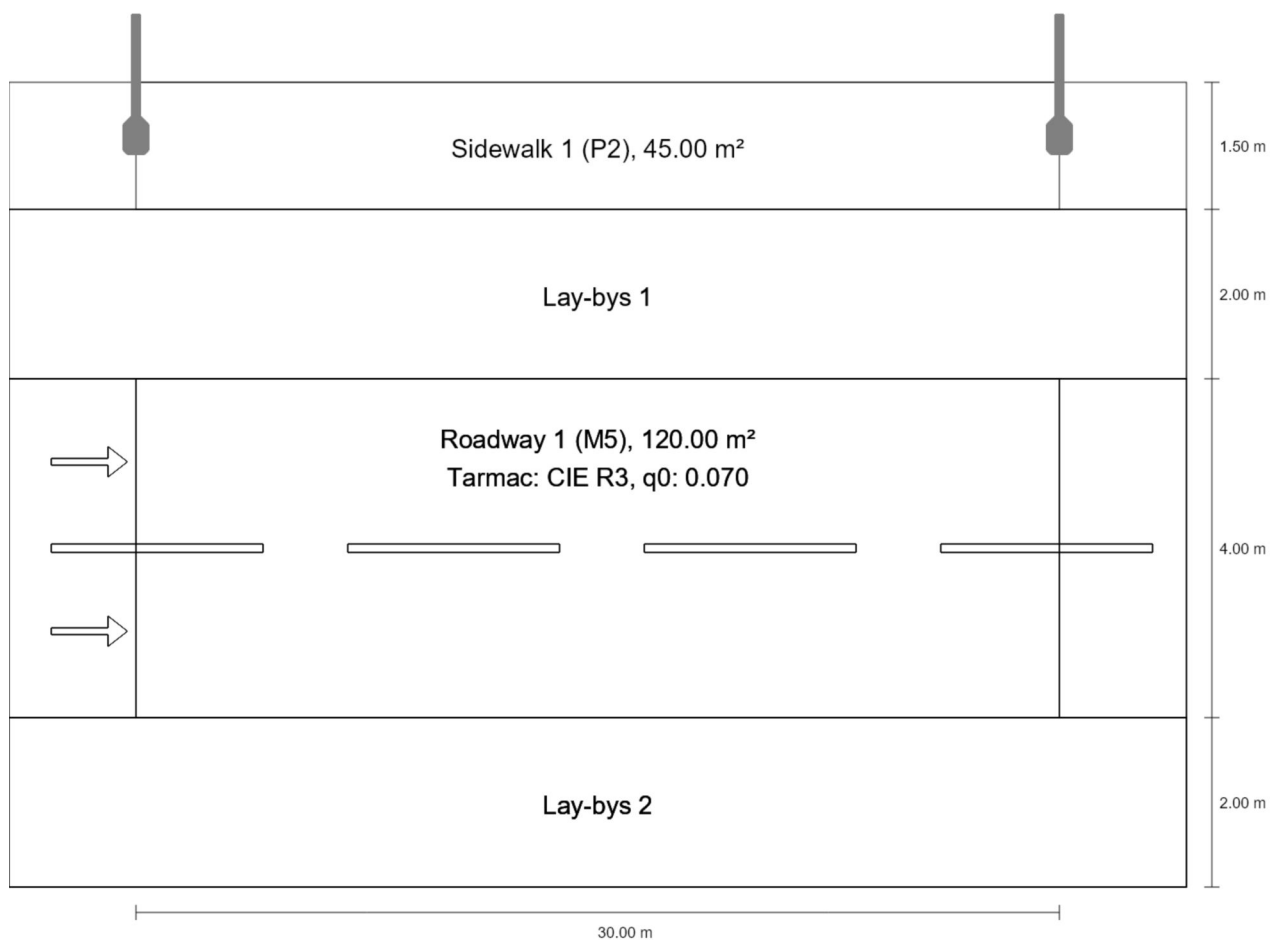
	Symbol	Calculated	Target	Check
Sidewalk 1 (P3)	E_{av}	8.15 lx	[7.50 - 11.25] lx	✓
	E_{min}	3.17 lx	≥ 1.50 lx	✓
Roadway 1 (M4)	L_{av}	0.88 cd/m ²	≥ 0.75 cd/m ²	✓
	U_o	0.52	≥ 0.40	✓
	U_l	0.69	≥ 0.60	✓
	TI	9 %	≤ 15 %	✓
	R_{EI}	0.40	≥ 0.30	✓

Results for energy efficiency indicators

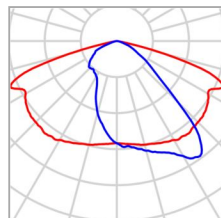
	Symbol	Calculated	Energy Consumption
Upes iela Nr. 11 - 14	D_p	0.016 W/lx*m ²	–
TOPIA MIDI / 5308 / 40 LEDs 300mA NW 740 36.8W / / 564752 (single side top)	D_e	1.0 kWh/m ² yr	147.2 kWh/yr

Upes iela Nr. 15 - 19

Summary (according to EN 13201:2015)



Upes iela Nr. 15 - 19

Summary (according to EN 13201:2015)

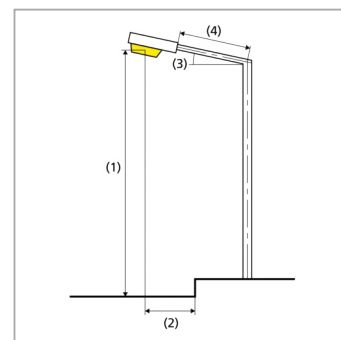
Manufacturer	Schröder	P	38.2 W
Article name	IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612	Φ_{Lamp}	7072 lm
		$\Phi_{\text{Luminaire}}$	6004 lm
		η	84.90 %
Fitting	1x 25 LEDs 500mA NW 740		

Upes iela Nr. 15 - 19

Summary (according to EN 13201:2015)

IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O-R] / 630612
(single side top)

Pole distance	30.000 m
(1) Light spot height	8.000 m
(2) Light point overhang	-2.899 m
(3) Boom inclination	5.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 38.2 W
Wattage / route	1260.6 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 689 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 112 cd/klm ≥ 90°: 0.00 cd/klm
Luminous intensity class	G*2
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.5
MF	0.80



Upes iela Nr. 15 - 19

Summary (according to EN 13201:2015)

Results for valuation fields

A maintenance factor of 0.80 was used for calculating for the installation.

	Symbol	Calculated	Target	Check
Sidewalk 1 (P2)	E_{av}	10.28 lx	[10.00 - 15.00] lx	✓
	E_{min}	3.56 lx	≥ 2.00 lx	✓
Roadway 1 (M5)	L_{av}	0.71 cd/m ²	≥ 0.50 cd/m ²	✓
	U_o	0.68	≥ 0.35	✓
	U_l	0.74	≥ 0.40	✓
	TI	13 %	≤ 15 %	✓
	R_{EI}	0.74	≥ 0.30	✓

Results for energy efficiency indicators

	Symbol	Calculated	Energy Consumption
Upes iela Nr. 15 - 19	D_p	0.020 W/lx*m ²	–
IZYLUM NEO 1 / 50011 / 25 LEDs 500mA NW 740 38.2W / Embellishment plate - [O- R] / 630612 (single side top)	D_e	0.9 kWh/m ² yr	152.8 kWh/yr