

Δήμος Τρικκαίων

Οδός Καρδίτσας

Content

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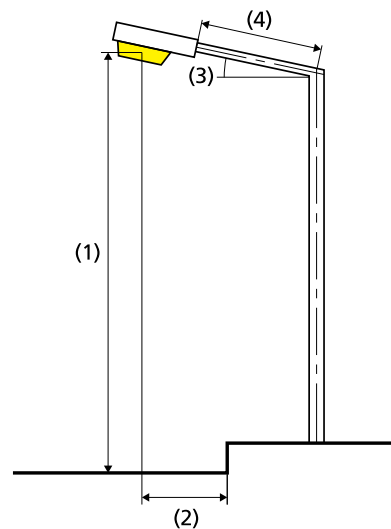
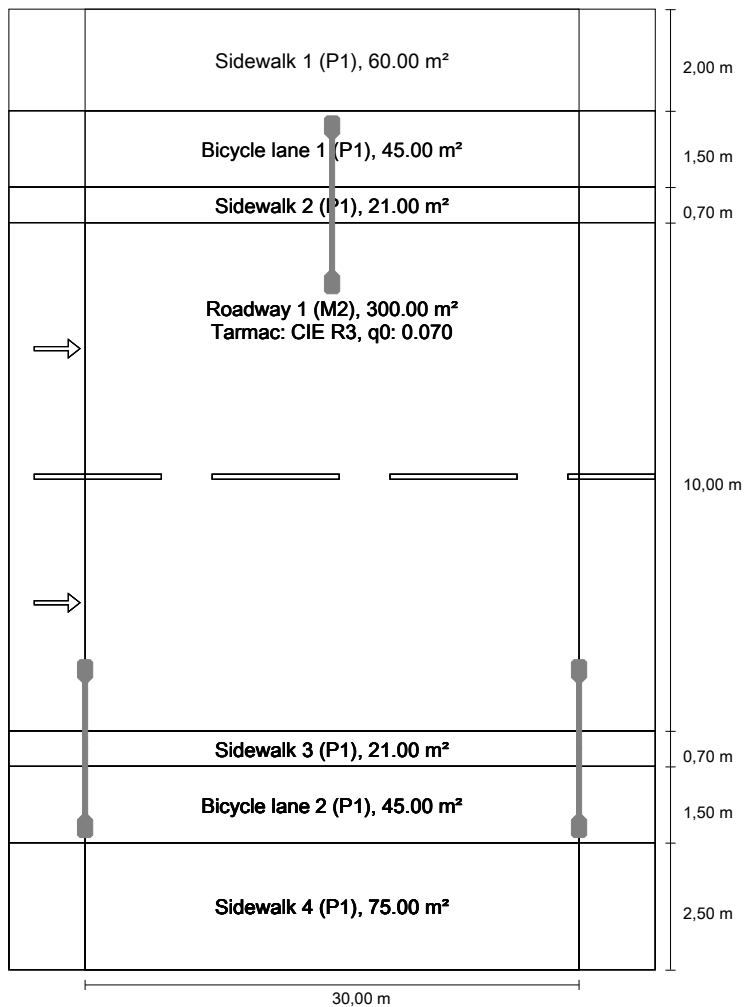
Description.....	3
Οδός Καρδίτσης (διατ. 1): Alternative 1	
Planning results.....	4
Οδός Καρδίτσης (διατ. 2): Alternative 2	
Planning results.....	6
Οδός Καρδίτσης (διατ. 3): Alternative 3	
Planning results.....	8
Οδός Καρδίτσης (γέφυρα): Alternative 4	
Planning results.....	10
Οδός Καρδίτσης (διατ. 4): Alternative 5	
Planning results.....	11

Δήμος Τρικκαίων

Οδός Καρδίτσης

Οδός Καρδίτσης (διατ. 1) according to EN 13201:2015

Disano Illuminazione 3285 Rolle - High Performance
Disano 3285 36 led 4000k CLD CELL grey



Lamp:	1xled_sp3285_36_4k
Luminous flux (luminaire):	7411.75 lm
Luminous flux (lamp):	7412.00 lm
Operating Hours	
4000 h:	100.0 %, 44.3 W
W/km:	5847.6
Arrangement:	both sides offset
Pole distance:	30.000 m
Boom inclination (3):	10.0°
Boom length (4):	1.500 m
Light centre height (1):	7.000 m
Light overhang (2):	1.149 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	520 cd/klm *
at 80° and above	186 cd/klm *
at 90° and above	14.5 cd/klm *
Luminous intensity class:	G*1

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

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.1

Results for valuation fields

Maintenance factor: 0.80

Sidewalk 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 21.97	✓ 10.88

Bicycle lane 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.59	✓ 13.89

Sidewalk 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.07	✓ 16.81

Roadway 1 (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR
✓ 1.79	✓ 0.69	✓ 0.74	✓ 8	* 0.69

Sidewalk 3 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.07	✓ 16.81

Bicycle lane 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.59	✓ 13.89

Sidewalk 4 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 21.84	✓ 10.62

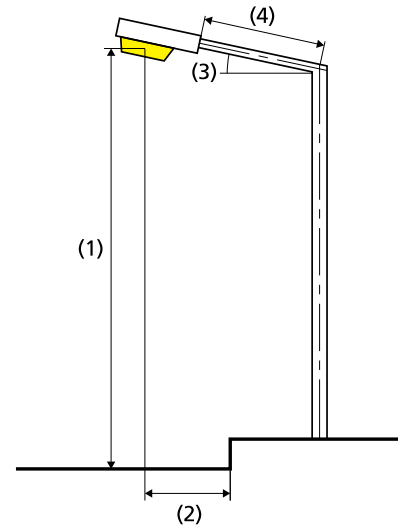
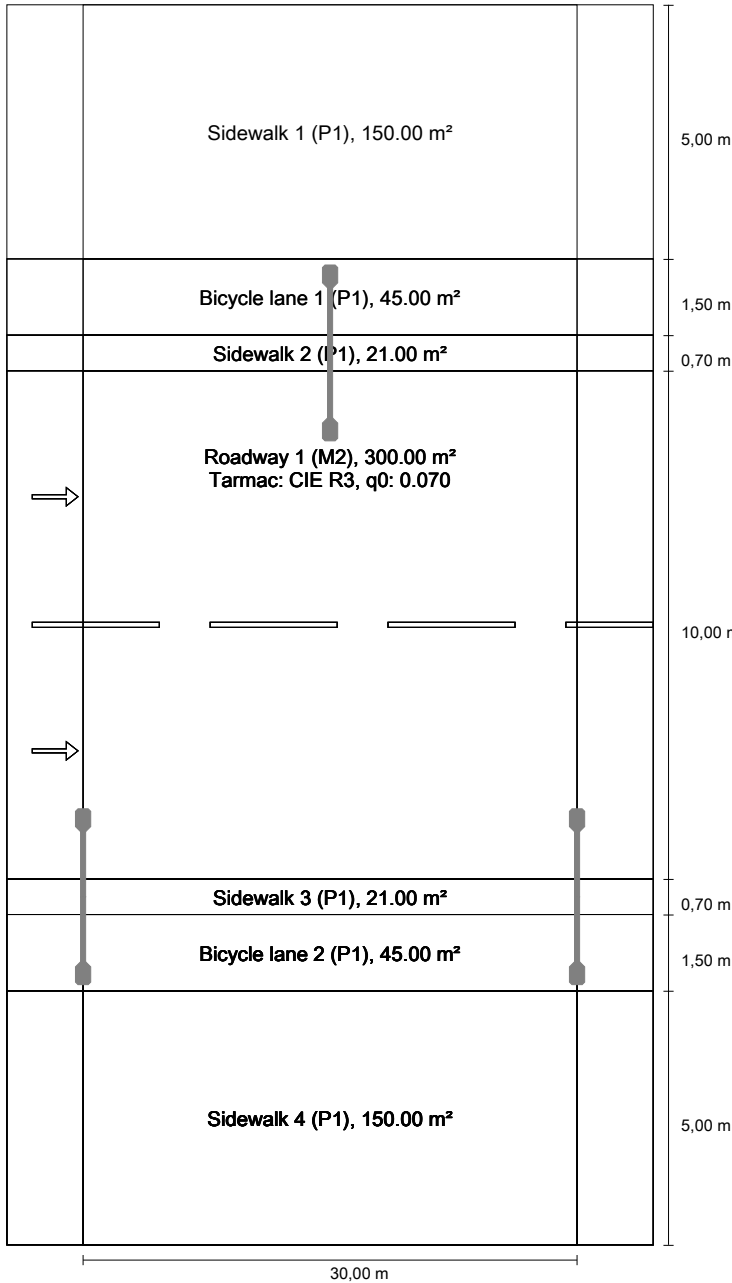
* Informative, not part of the valuation

Results for energy efficiency indicators

Power density indicator (Dp)	0.012 W/lxm²
Energy consumption density	
Arrangement: Disano 3285 36 led 4000k CLD CELL grey (708.8 kWh/yr)	1.3 kWh/m² yr

Οδός Καρδίτσης (διατ. 2) according to EN 13201:2015

Disano Illuminazione 3285 Rolle - High Performance
Disano 3285 36 led 4000k CLD CELL grey



Lamp:	1xled_sp3285_36_4k
Luminous flux (luminaire):	7411.75 lm
Luminous flux (lamp):	7412.00 lm
Operating Hours	
4000 h:	100.0 %, 44.3 W
W/km:	5847.6
Arrangement:	both sides offset
Pole distance:	30.000 m
Boom inclination (3):	10.0°
Boom length (4):	1.482 m
Light centre height (1):	7.000 m
Light overhang (2):	1.131 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	520 cd/klm *
at 80° and above	186 cd/klm *
at 90° and above	14.5 cd/klm *
Luminous intensity class:	G*1

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

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.1

Results for valuation fields

Maintenance factor: 0.80

Sidewalk 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.75	✓ 10.62

Bicycle lane 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.67	✓ 13.89

Sidewalk 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.12	✓ 16.83

Roadway 1 (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR
✓ 1.79	✓ 0.69	✓ 0.74	✓ 8	* 0.69

Sidewalk 3 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.12	✓ 16.83

Bicycle lane 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.67	✓ 13.89

Sidewalk 4 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.75	✓ 10.62

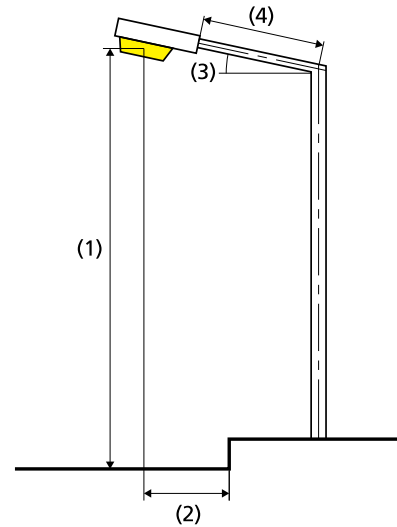
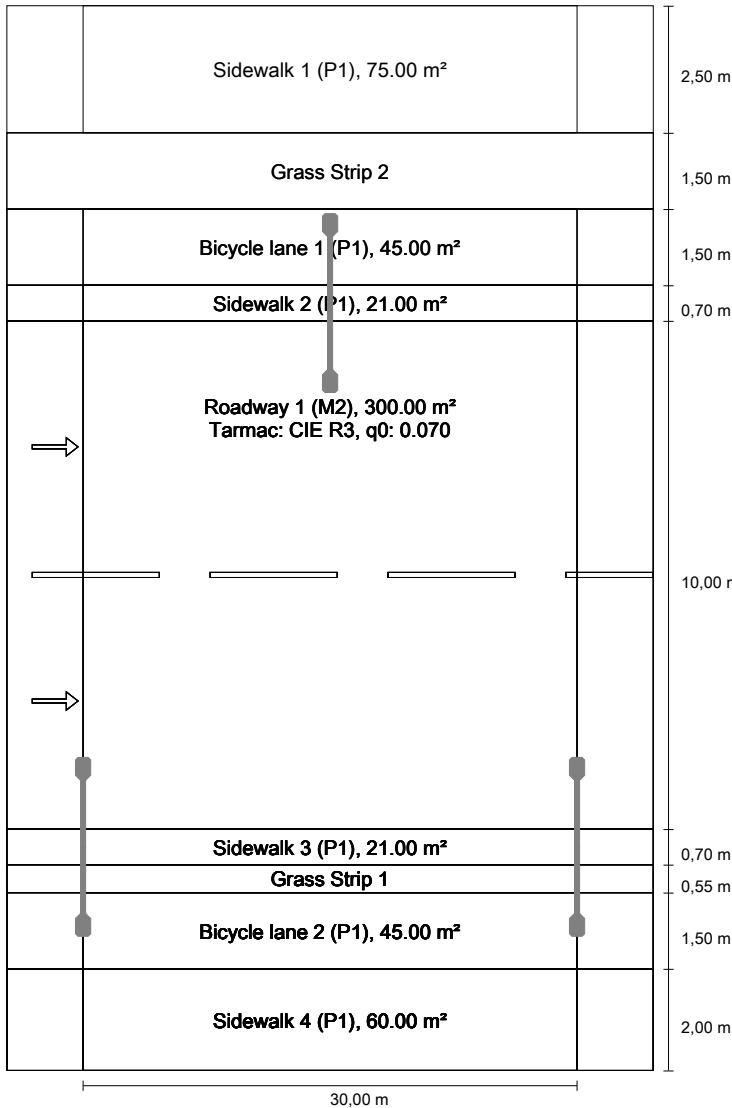
* Informative, not part of the valuation

Results for energy efficiency indicators

Power density indicator (Dp)	0.010 W/lxm²
Energy consumption density	
Arrangement: Disano 3285 36 led 4000k CLD CELL grey (708.8 kWh/yr)	1.0 kWh/m² yr

Οδός Καρδίτσης (διατ. 3) according to EN 13201:2015

Disano Illuminazione 3285 Rolle - High Performance
Disano 3285 36 led 4000k CLD CELL grey



10,00 m Lamp:	1xled_sp3285_36_4k
Luminous flux (luminaire):	7411.75 lm
Luminous flux (lamp):	7412.00 lm
Operating Hours	
4000 h:	100.0 %, 44.3 W
W/km:	5847.6
Arrangement:	both sides offset
Pole distance:	30.000 m
Boom inclination (3):	10.0°
Boom length (4):	1.506 m
Light centre height (1):	7.000 m
Light overhang (2):	1.155 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	520 cd/klm *
at 80° and above	186 cd/klm *
at 90° and above	14.5 cd/klm *
Luminous intensity class:	G*1

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

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.1

Results for valuation fields

Maintenance factor: 0.80

Sidewalk 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.74	✓ 10.56

Bicycle lane 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.57	✓ 13.89

Sidewalk 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.05	✓ 16.81

Roadway 1 (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR
✓ 1.78	✓ 0.69	✓ 0.74	✓ 8	* 0.69

Sidewalk 3 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.05	✓ 16.81

Bicycle lane 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 21.40	✓ 12.78

Sidewalk 4 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 21.76	✓ 10.58

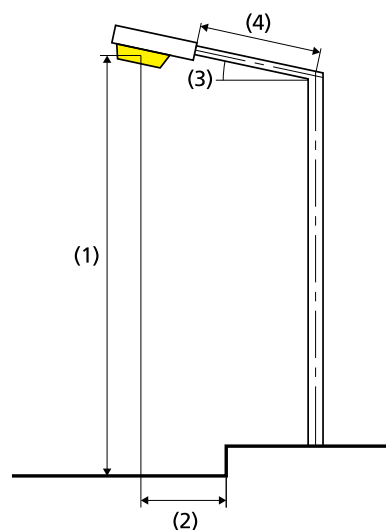
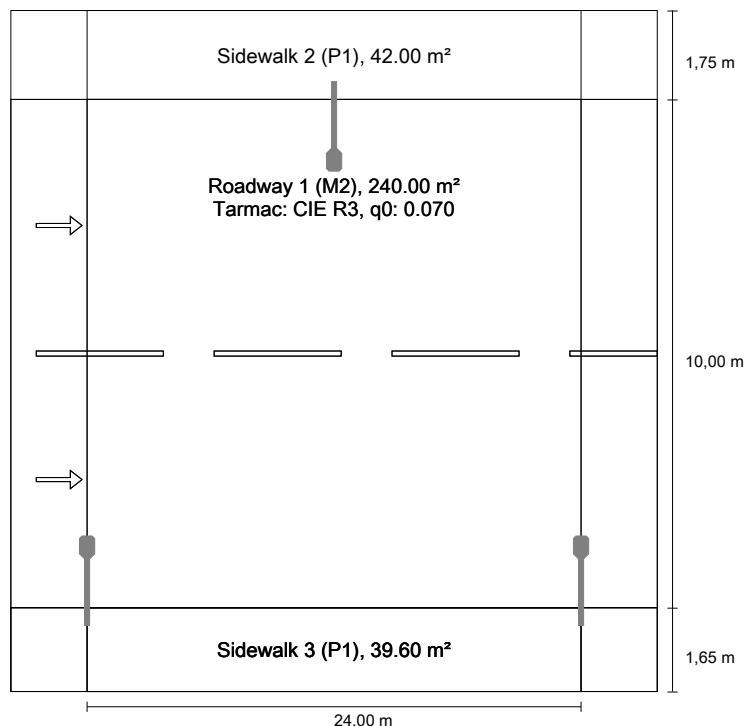
* Informative, not part of the valuation

Results for energy efficiency indicators

Power density indicator (Dp)	0.012 W/lxm²
Energy consumption density	
Arrangement: Disano 3285 36 led 4000k CLD CELL grey (708.8 kWh/yr)	1.3 kWh/m² yr

Οδός Καρδίτσας (γέφυρα) according to EN 13201:2015

Disano Illuminazione 3285 Rolle - High Performance
Disano 3285 36 led 4000k CLD CELL grey



Results for valuation fields
Maintenance factor: 0.80

Sidewalk 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 15.07	✓ 11.13

Roadway 1 (M2)

Lm [cd/m ²] ≥ 1.50	Uo ≥ 0.40	UI ≥ 0.70	TI [%] ≤ 10	EIR
✓ 1.99	✓ 0.67	✓ 0.91	✓ 7	* 0.29

Sidewalk 3 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 15.27	✓ 11.48

* Informative, not part of the valuation

Results for energy efficiency indicators

Power density indicator (Dp)	0.009 W/lxm ²
Energy consumption density	
Arrangement: Disano 3285 36 led 4000k CLD CELL grey (354.4 kWh/yr)	1.1 kWh/m ² yr

Lamp:	1xled_sp3285_36_4k
Luminous flux (luminaire):	7411.75 lm
Luminous flux (lamp):	7412.00 lm
Operating Hours	
4000 h:	100.0 %, 44.3 W
W/km:	3721.2
Arrangement:	both sides offset
Pole distance:	24.000 m
Boom inclination (3):	10.0°
Boom length (4):	1.506 m
Light centre height (1):	7.000 m
Light overhang (2):	1.155 m

ULR:	0.00
ULOR:	0.00

Maximum luminous intensities

at 70° and above	520 cd/klm *
at 80° and above	186 cd/klm *
at 90° and above	14.5 cd/klm *

Luminous intensity class: G*1

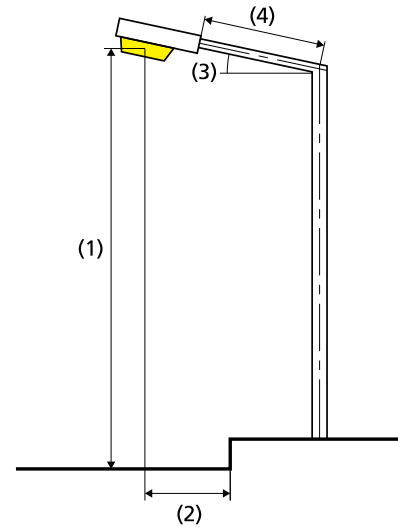
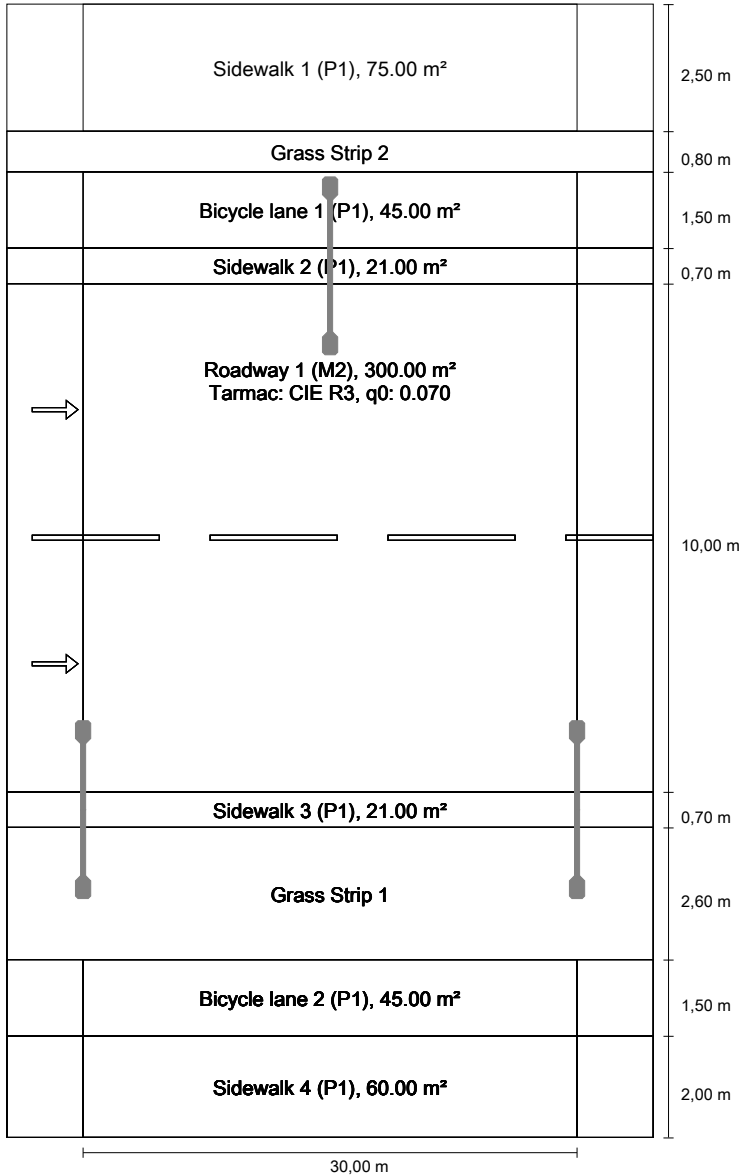
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.1

Οδός Καρδίτσης (διατ. 4) according to EN 13201:2015

Disano Illuminazione 3285 Rolle - High Performance
Disano 3285 36 led 4000k CLD CELL grey



Lamp:	1xled_sp3285_36_4k
Luminous flux (luminaire):	7411.75 lm
Luminous flux (lamp):	7412.00 lm
Operating Hours	
4000 h:	100.0 %, 44.3 W
W/km:	5847.6
Arrangement:	both sides offset
Pole distance:	30.000 m
Boom inclination (3):	10.0°
Boom length (4):	1.500 m
Light centre height (1):	7.000 m
Light overhang (2):	1.149 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	520 cd/klm *
at 80° and above	186 cd/klm *
at 90° and above	14.5 cd/klm *
Luminous intensity class:	G*1

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

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.1

Results for valuation fields

Maintenance factor: 0.80

Sidewalk 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 21.37	✓ 10.57

Bicycle lane 1 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.59	✓ 13.89

Sidewalk 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.07	✓ 16.81

Roadway 1 (M2)

Lm [cd/m²] ≥ 1.50	Uo ≥ 0.40	Ui ≥ 0.70	TI [%] ≤ 10	EIR
✓ 1.79	✓ 0.69	✓ 0.74	✓ 8	* 0.69

Sidewalk 3 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 20.07	✓ 16.81

Bicycle lane 2 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 21.63	✓ 10.56

Sidewalk 4 (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 19.81	✓ 10.57

* Informative, not part of the valuation

Results for energy efficiency indicators

Power density indicator (Dp)	0.012 W/lxm²
Energy consumption density	
Arrangement: Disano 3285 36 led 4000k CLD CELL grey (708.8 kWh/yr)	1.3 kWh/m² yr

Συντάχθηκε

Τρίκαλα, 17-02-2020
Ελέγχθηκε
Η Προϊστ/νη Τμ.Μελετών & Κατασκ

Θεωρήθηκε
Η Αναπλ. Προϊστ. Δ/νσης Τ.Υ.

Θεμ. Καραμούστος
Ηλεκ/γος Μηχ/κός

Παναγιώτα Μάντζαρη
Αγρ.-Τοπ. Μηχ/κός

Θεοδώρα Σαργιώτη
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