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Gratiesti village tender

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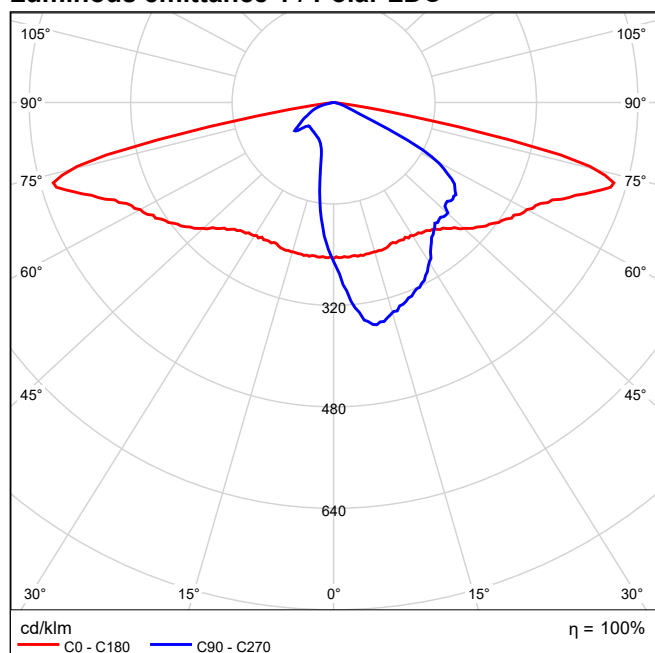
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DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1 1x16 LEDs / DIALux - MRU 039 740 V22 F016 CSN DG1 (1x16 LEDs)

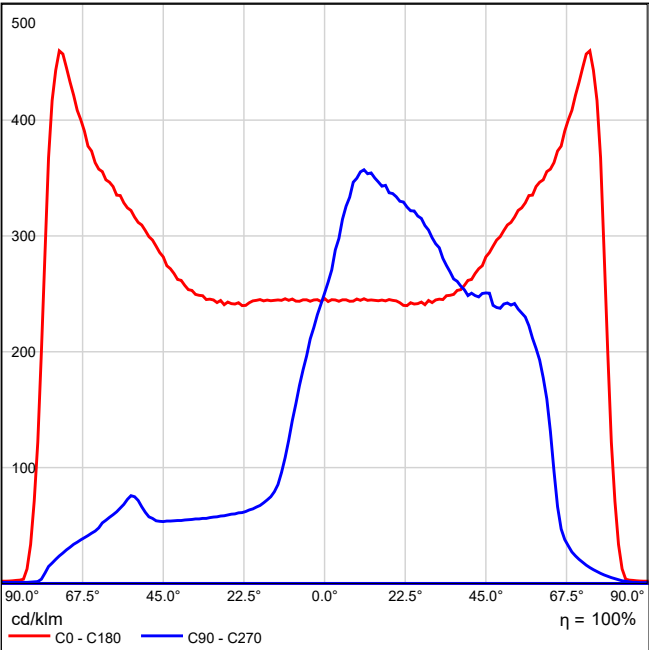
See our luminaire catalog for an image of the luminaire.

Light output ratio: 100%
Lamp luminous flux: 4382 lm
Luminaire luminous flux: 4382 lm
Power: 39.0 W
Luminous efficacy: 112.4 lm/W

Luminous emittance 1 / Polar LDC



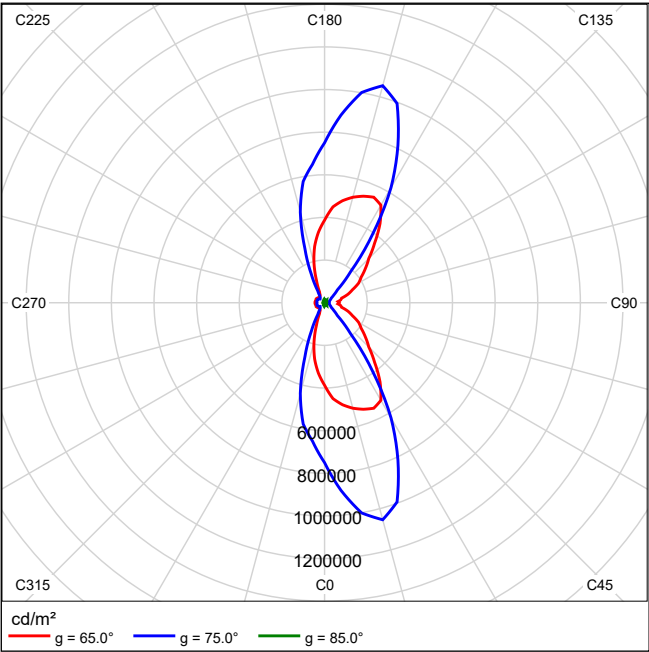
Luminous emittance 1 / Linear LDC



It is not possible to generate a cone diagram, as the light distribution is asymmetrical.

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1 1x16 LEDs / DIALux - MRU 039 740 V22 F016 CSN DG1 (1x16 LEDs)

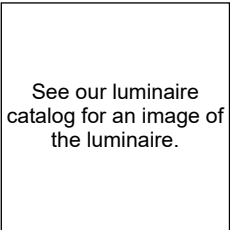
Luminous emittance 1 / Luminance diagram



It is not possible to generate a UGR diagram, as the light distribution is asymmetrical.

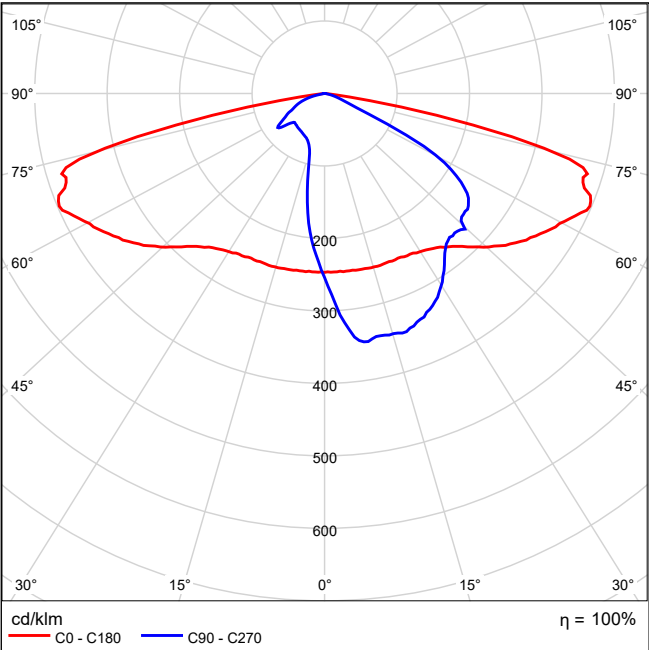
DIALux Micro Martin 46 W 24 LEDs MRU 046 740 V22 F024 CSN DG1 1x24 LEDs / DIALux - MRU 046 740 V22 F024 CSN DG1 (1x24 LEDs)

DIALux Micro Martin 46 W 24 LEDs MRU 046 740 V22 F024 CSN DG1 1x24 LEDs



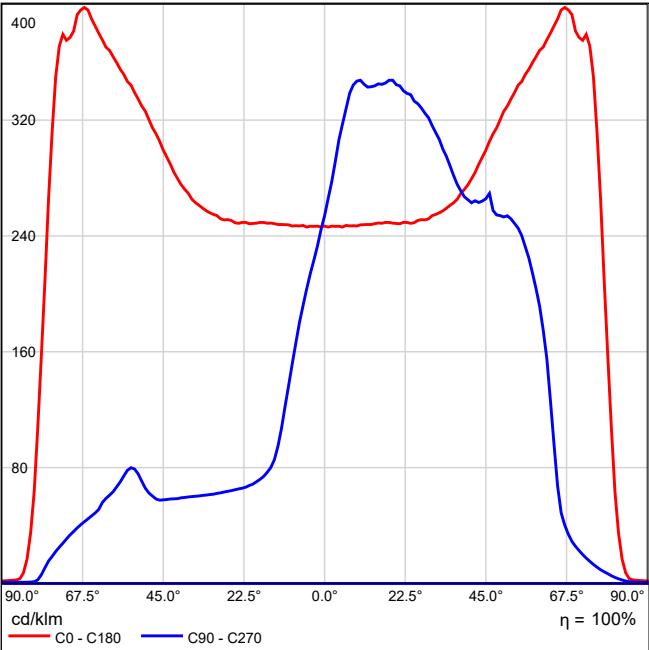
Light output ratio: 100%
Lamp luminous flux: 5589 lm
Luminaire luminous flux: 5589 lm
Power: 46.0 W
Luminous efficacy: 121.5 lm/W

Luminous emittance 1 / Polar LDC



DIALux Micro Martin 46 W 24 LEDs MRU 046 740 V22 F024 CSN DG1 1x24 LEDs / DIALux - MRU 046 740 V22 F024 CSN DG1 (1x24 LEDs)

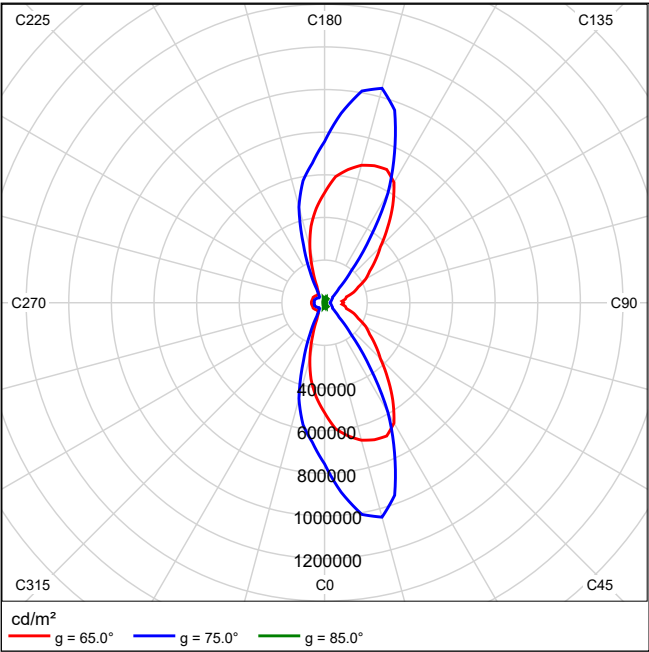
Luminous emittance 1 / Linear LDC



It is not possible to generate a cone diagram, as the light distribution is asymmetrical.

DIALux Micro Martin 46 W 24 LEDs MRU 046 740 V22 F024 CSN DG1 1x24 LEDs / DIALux - MRU 046 740 V22 F024 CSN DG1 (1x24 LEDs)

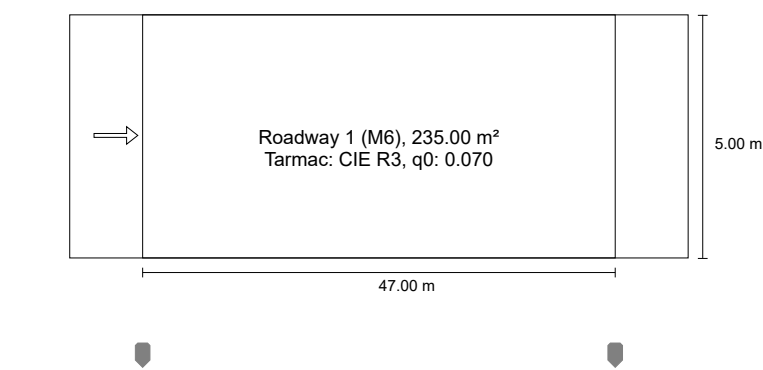
Luminous emittance 1 / Luminance diagram



It is not possible to generate a UGR diagram, as the light distribution is asymmetrical.

Situația 1 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



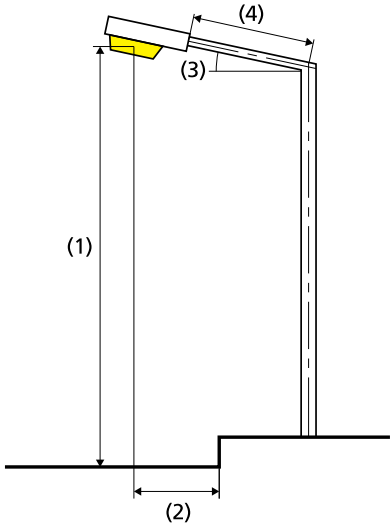
Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.36	✓ 0.56	✓ 0.65	✓ 14	✓ 0.50

Results for energy efficiency indicators

Power density indicator (Dp)	0.031 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr



Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	819.0
Arrangement:	single side bottom
Pole distance:	47.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.000 m
Light overhang (2):	-2.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

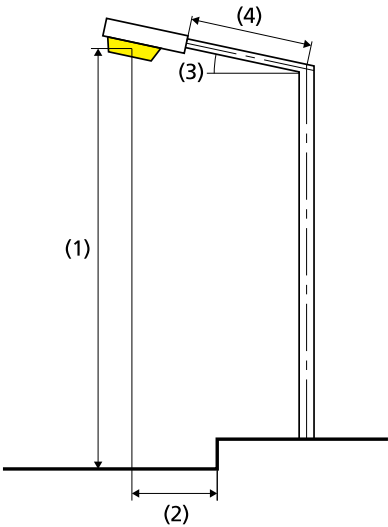
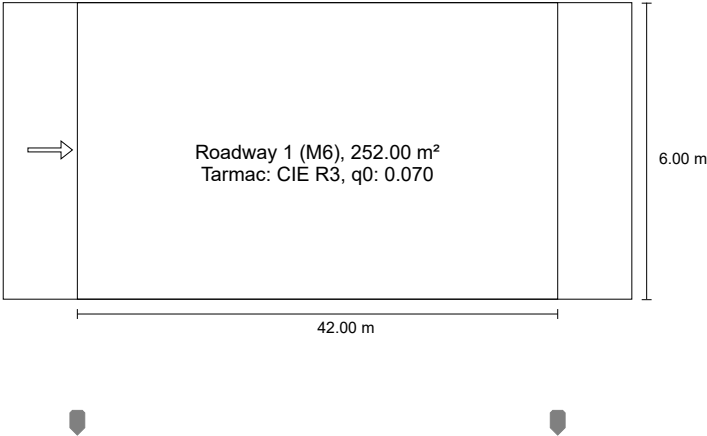
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 2 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.35	✓ 0.52	✓ 0.79	✓ 12	✓ 0.47

Results for energy efficiency indicators

Power density indicator (Dp)	0.029 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	936.0
Arrangement:	single side bottom
Pole distance:	42.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.000 m
Light overhang (2):	-2.500 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

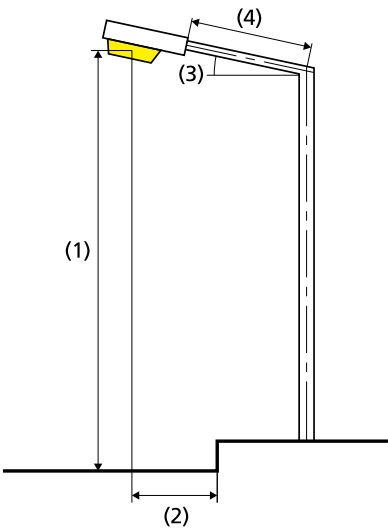
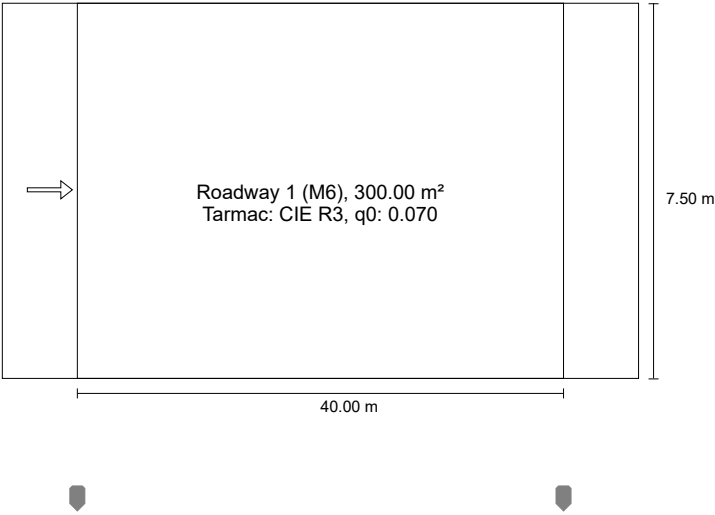
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 3 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.33	✓ 0.53	✓ 0.88	✓ 9	✓ 0.53

Results for energy efficiency indicators

Power density indicator (Dp)	0.027 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.5 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	975.0
Arrangement:	single side bottom
Pole distance:	40.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	9.500 m
Light overhang (2):	-2.400 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

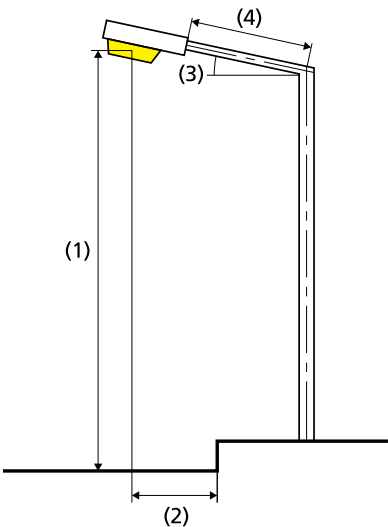
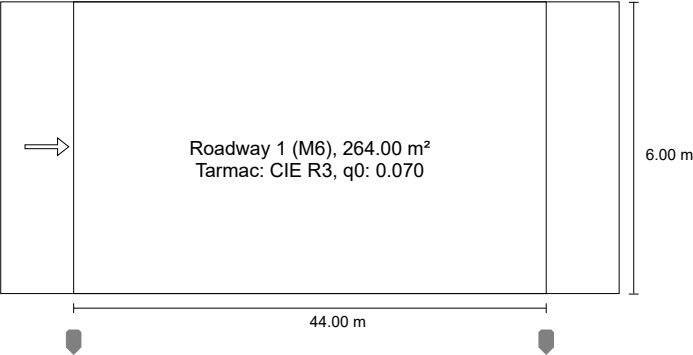
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 4 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.43	✓ 0.52	✓ 0.70	✓ 13	✓ 0.50

Results for energy efficiency indicators

Power density indicator (Dp)	0.025 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	897.0
Arrangement:	single side bottom
Pole distance:	44.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.000 m
Light overhang (2):	-1.000 m

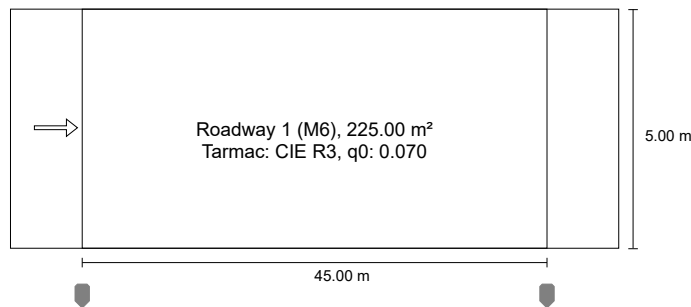
ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

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.5

Situația 5 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



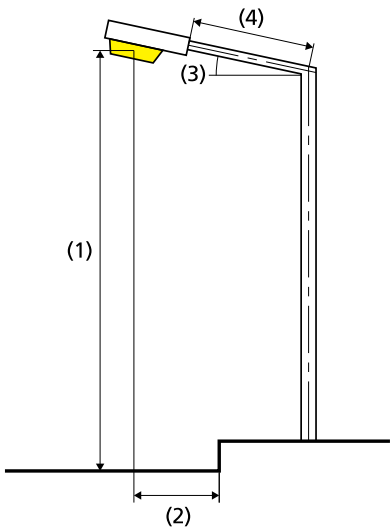
Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.45	✓ 0.55	✓ 0.64	✓ 13	✓ 0.53

Results for energy efficiency indicators

Power density indicator (Dp)	0.028 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr



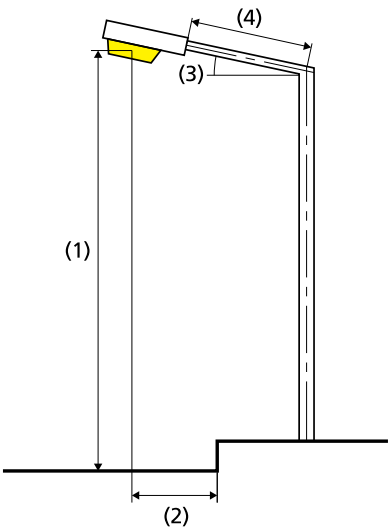
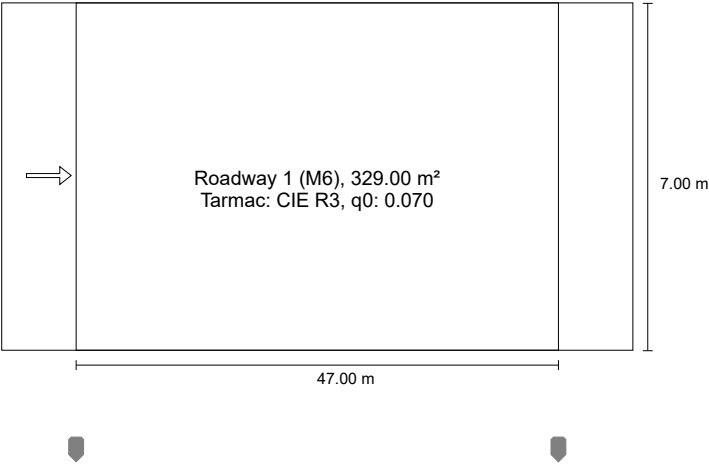
Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	858.0
Arrangement:	single side bottom
Pole distance:	45.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.000 m
Light overhang (2):	-1.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 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.5

Situafia 6 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.32	✓ 0.48	✓ 0.72	✓ 13	✓ 0.48

Results for energy efficiency indicators

Power density indicator (Dp)	0.025 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.5 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	819.0
Arrangement:	single side bottom
Pole distance:	47.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.300 m
Light overhang (2):	-2.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

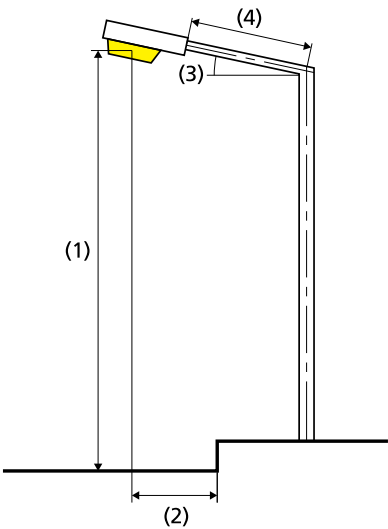
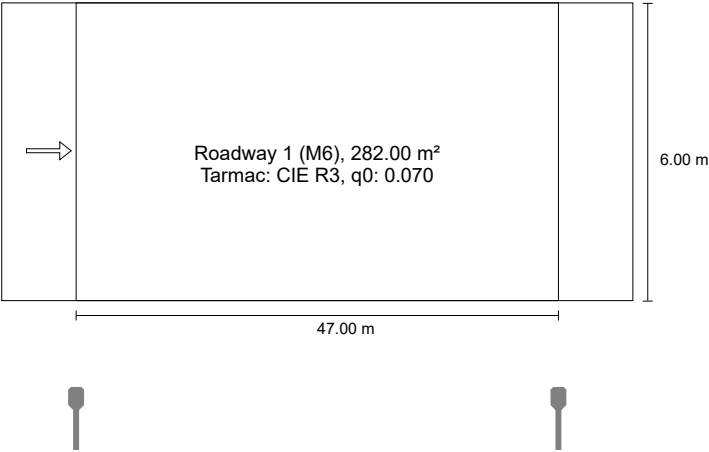
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 7 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.34	✓ 0.51	✓ 0.67	✓ 14	✓ 0.48

Results for energy efficiency indicators

Power density indicator (Dp)	0.027 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	819.0
Arrangement:	single side bottom
Pole distance:	47.000 m
Boom inclination (3):	0.0°
Boom length (4):	1.000 m
Light centre height (1):	8.000 m
Light overhang (2):	-2.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

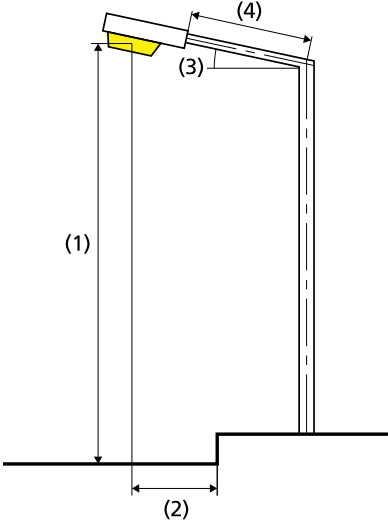
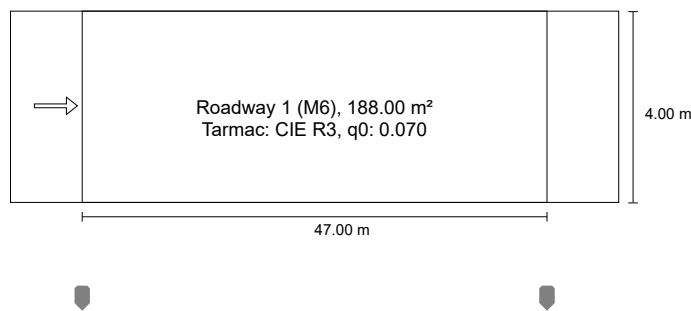
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 8 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740
V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.39	✓ 0.59	✓ 0.66	✓ 13	✓ 0.61

Results for energy efficiency indicators

Power density indicator (Dp)	0.037 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.8 kWh/m² yr

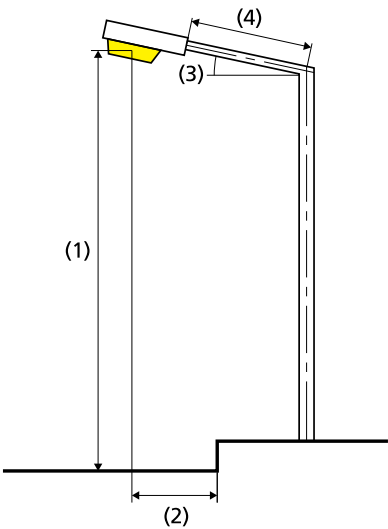
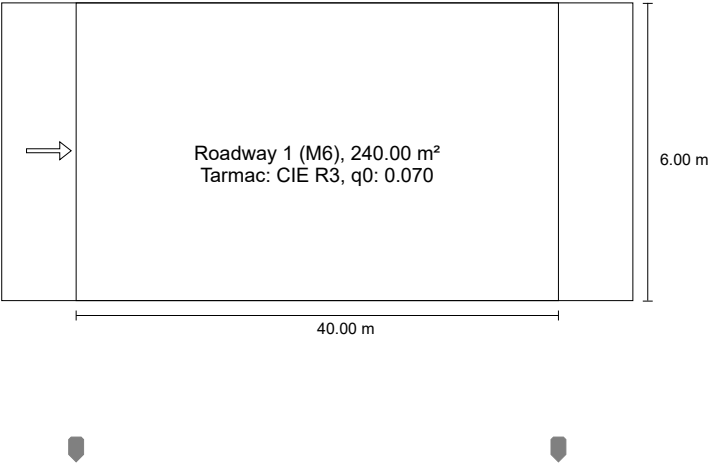
Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	819.0
Arrangement:	single side bottom
Pole distance:	47.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.300 m
Light overhang (2):	-2.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 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.5

Situația 9 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.33	✓ 0.55	✓ 0.86	✓ 11	✓ 0.48

Results for energy efficiency indicators

Power density indicator (Dp)	0.031 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	975.0
Arrangement:	single side bottom
Pole distance:	40.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.300 m
Light overhang (2):	-3.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

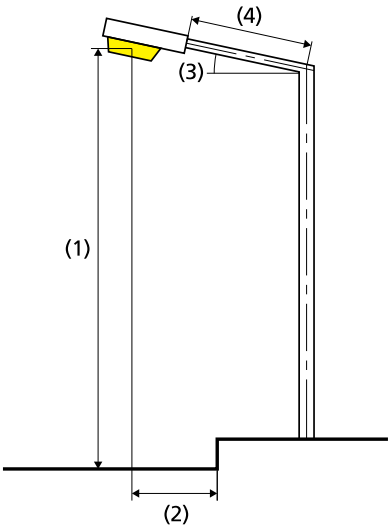
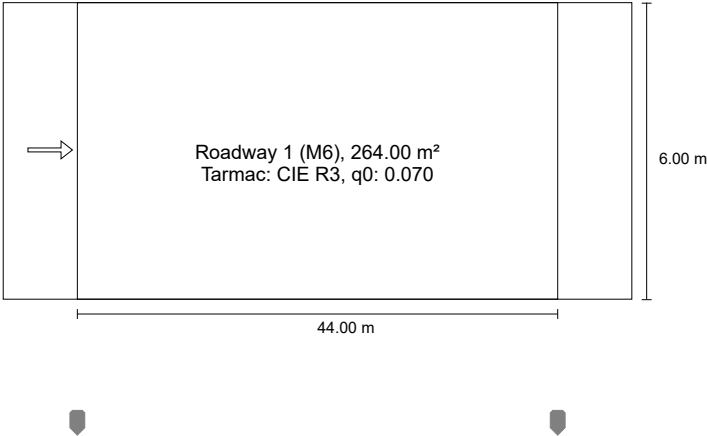
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situafia 10 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.33	✓ 0.53	✓ 0.79	✓ 12	✓ 0.49

Results for energy efficiency indicators

Power density indicator (Dp)	0.029 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	897.0
Arrangement:	single side bottom
Pole distance:	44.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.300 m
Light overhang (2):	-2.500 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

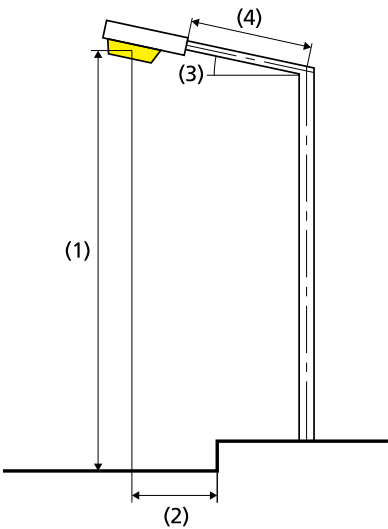
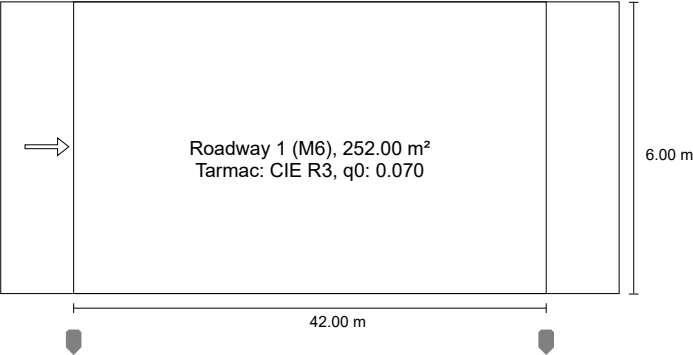
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 11 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.43	✓ 0.59	✓ 0.83	✓ 10	✓ 0.57

Results for energy efficiency indicators

Power density indicator (Dp)	0.027 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

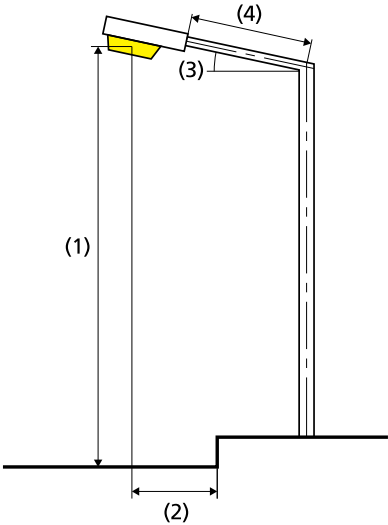
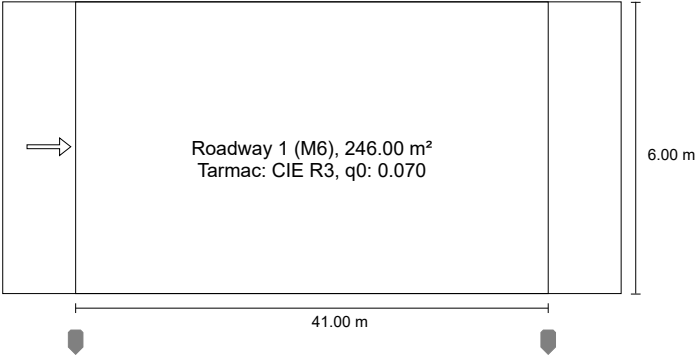
Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	936.0
Arrangement:	single side bottom
Pole distance:	42.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	9.300 m
Light overhang (2):	-1.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 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.5

Situația 12 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.46	✓ 0.56	✓ 0.82	✓ 11	✓ 0.52

Results for energy efficiency indicators

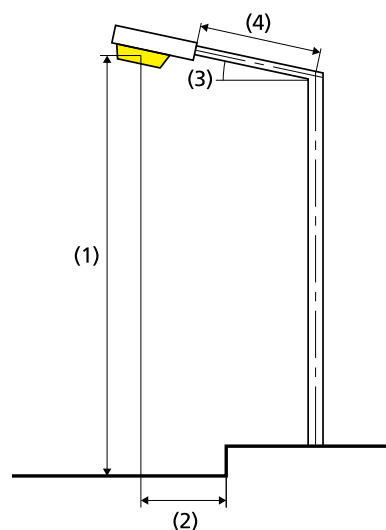
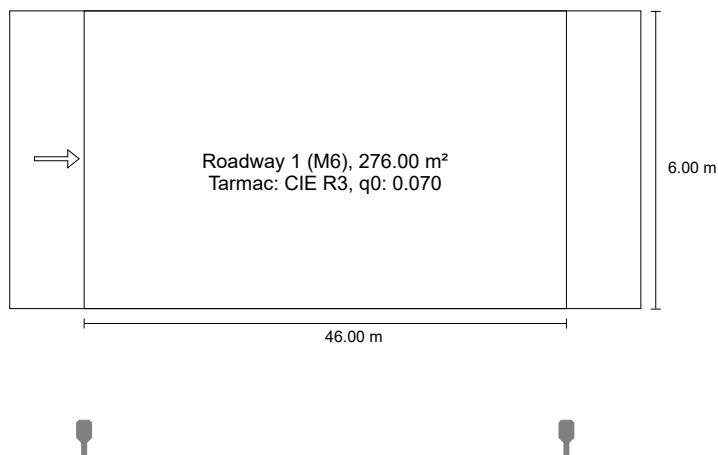
Power density indicator (Dp)	0.025 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	936.0
Arrangement:	single side bottom
Pole distance:	41.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.000 m
Light centre height (1):	8.300 m
Light overhang (2):	-1.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 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.5

Situția 13 according to EN 13201:2015
DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1

Results for valuation fields

Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.32	✓ 0.52	✓ 0.75	✓ 13	✓ 0.49

Results for energy efficiency indicators
Power density indicator (Dp) 0.029 W/lxm²

Energy consumption density

Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr) 0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	858.0
Arrangement:	single side bottom
Pole distance:	46.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-2.500 m

ULR: 0.00

ULOR: 0.00

Maximum luminous intensities

at 70° and above 643 cd/klm *

at 80° and above 195 cd/klm *

at 90° and above 2.28 cd/klm *

Luminous intensity class: G*1

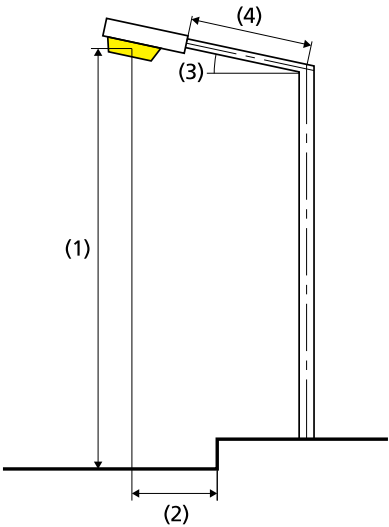
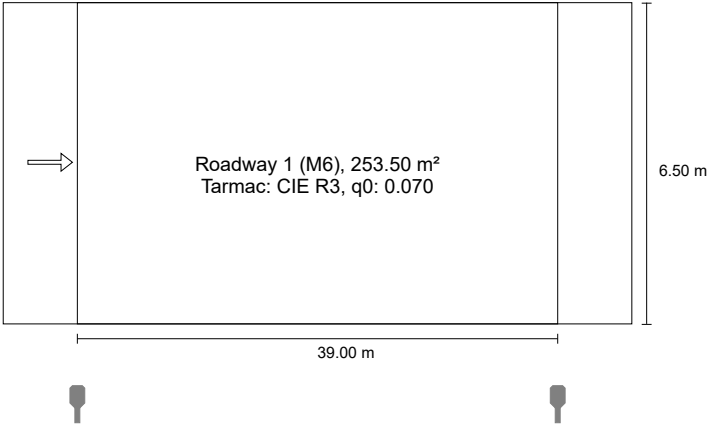
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 14 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.43	✓ 0.53	✓ 0.83	✓ 11	✓ 0.50

Results for energy efficiency indicators

Power density indicator (Dp)	0.025 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1014.0
Arrangement:	single side bottom
Pole distance:	39.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-1.500 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

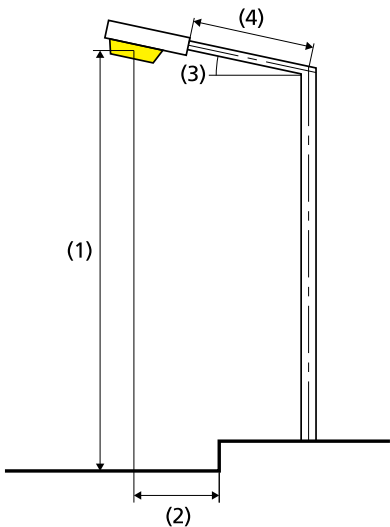
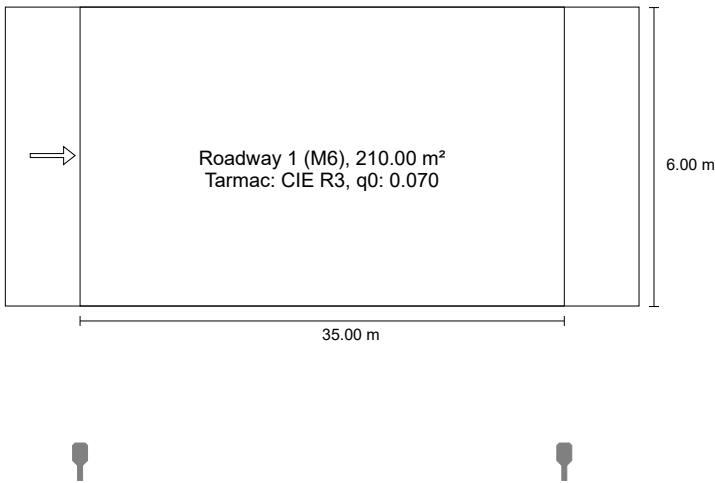
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 15 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.38	✓ 0.56	✓ 0.92	✓ 10	✓ 0.48

Results for energy efficiency indicators

Power density indicator (Dp)	0.031 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1131.0
Arrangement:	single side bottom
Pole distance:	35.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-3.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

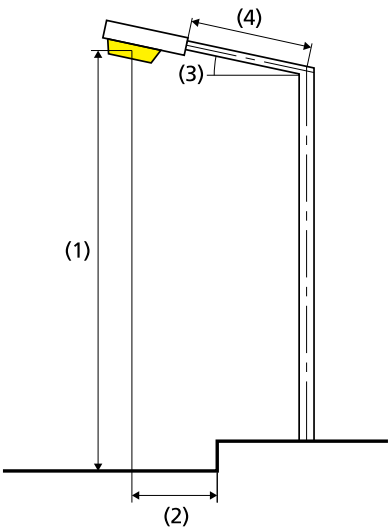
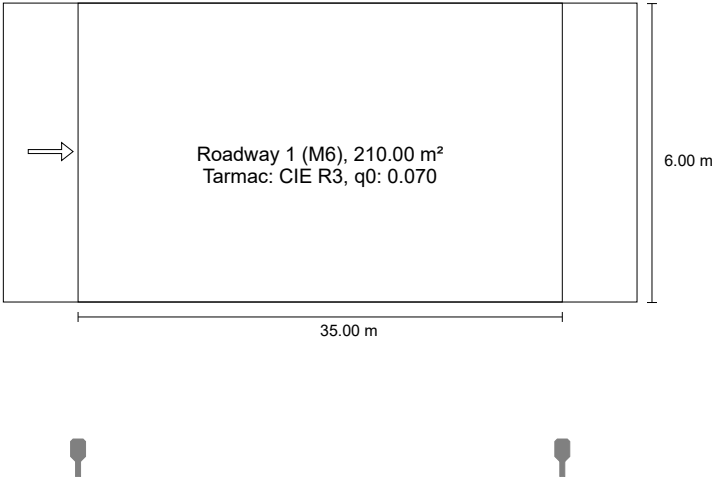
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 16 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.38	✓ 0.56	✓ 0.92	✓ 10	✓ 0.48

Results for energy efficiency indicators

Power density indicator (Dp)	0.031 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1131.0
Arrangement:	single side bottom
Pole distance:	35.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-3.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

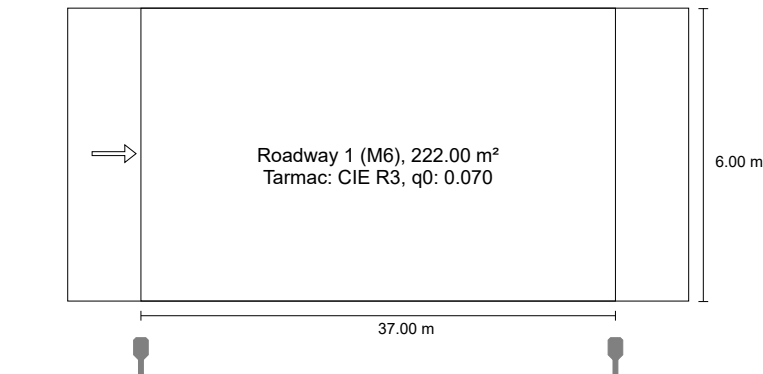
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 17 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



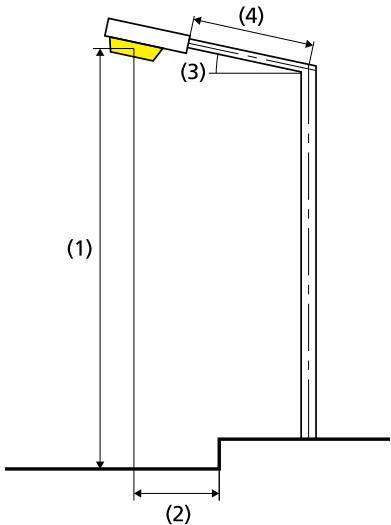
Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.52	✓ 0.57	✓ 0.84	✓ 11	✓ 0.50

Results for energy efficiency indicators

Power density indicator (Dp)	0.025 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr



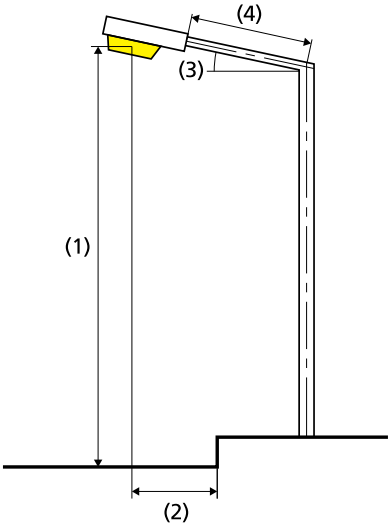
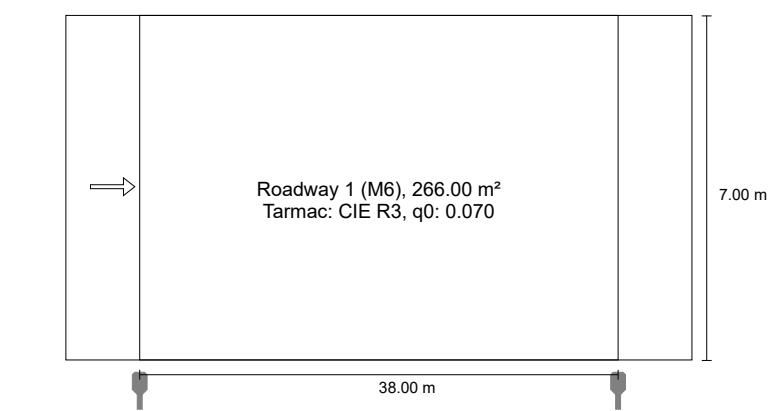
Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1053.0
Arrangement:	single side bottom
Pole distance:	37.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.000 m
Light overhang (2):	-1.000 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 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.5

Situația 18 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.50	✓ 0.54	✓ 0.83	✓ 11	✓ 0.51

Results for energy efficiency indicators

Power density indicator (Dp)	0.022 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1014.0
Arrangement:	single side bottom
Pole distance:	38.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-0.500 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

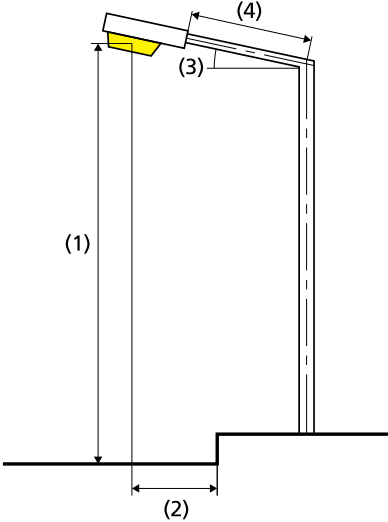
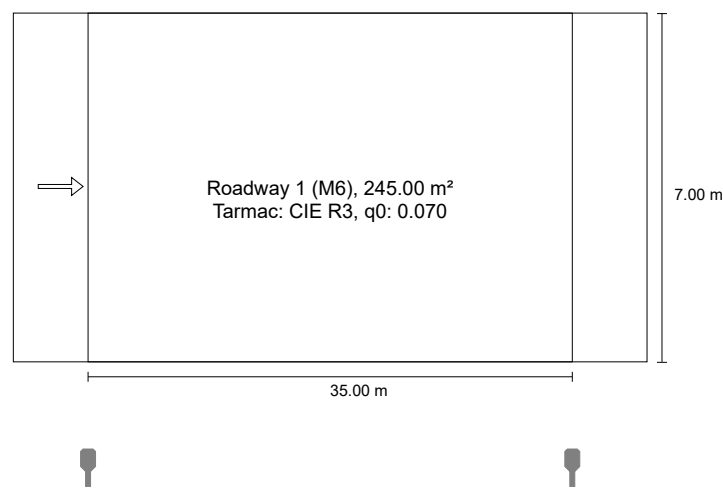
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 19 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.43	✓ 0.49	✓ 0.90	✓ 10	✓ 0.46

Results for energy efficiency indicators

Power density indicator (Dp)	0.025 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.6 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1131.0
Arrangement:	single side bottom
Pole distance:	35.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.000 m
Light overhang (2):	-2.000 m

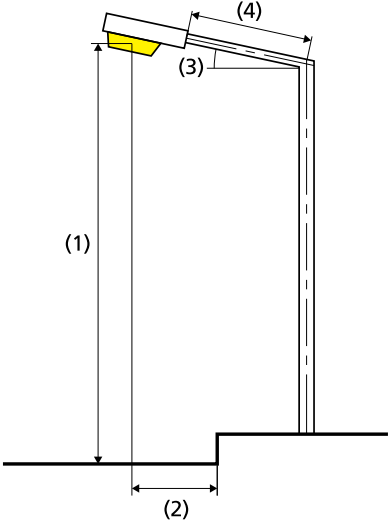
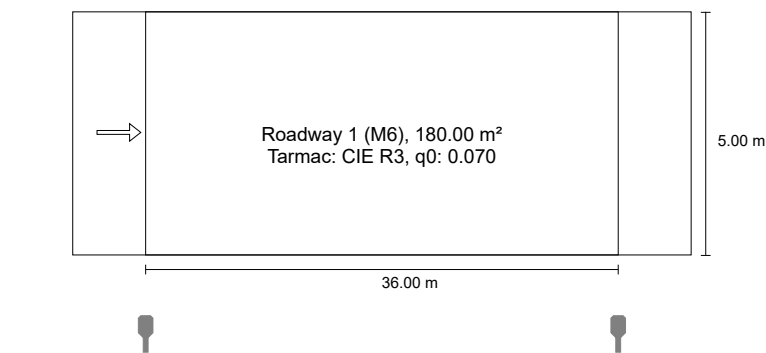
ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

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.5

Situafia 20 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.51	✓ 0.62	✓ 0.81	✓ 10	✓ 0.54

Results for energy efficiency indicators

Power density indicator (Dp)	0.030 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.9 kWh/m² yr

Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1092.0
Arrangement:	single side bottom
Pole distance:	36.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-1.500 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 cd/klm *
Luminous intensity class:	G*1

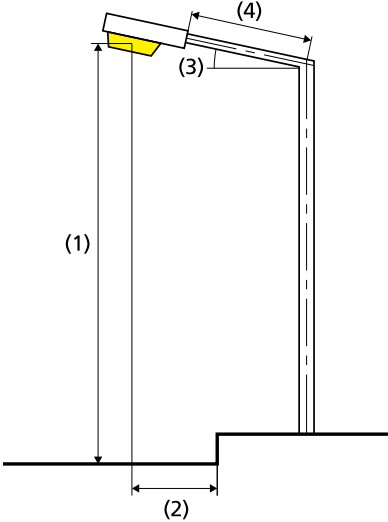
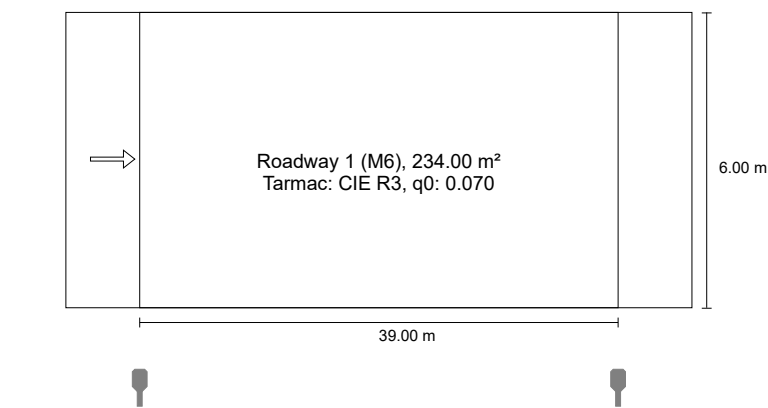
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.5

Situația 21 according to EN 13201:2015

DIALux Micro Martin 39 W 16 LEDs MRU 039 740 V22 F016 CSN DG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M6)

Lm [cd/m²] ≥ 0.30	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 20	EIR ≥ 0.30
✓ 0.44	✓ 0.57	✓ 0.82	✓ 11	✓ 0.51

Results for energy efficiency indicators

Power density indicator (Dp)	0.027 W/lxm²
Energy consumption density	
Arrangement: MRU 039 740 V22 F016 CSN DG1 (156.0 kWh/yr)	0.7 kWh/m² yr

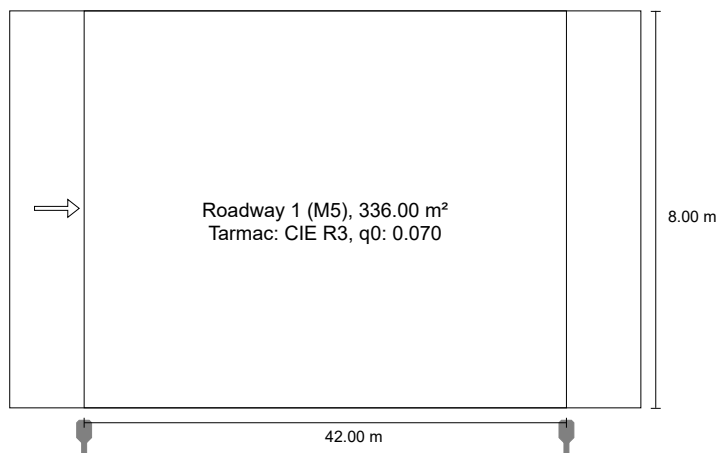
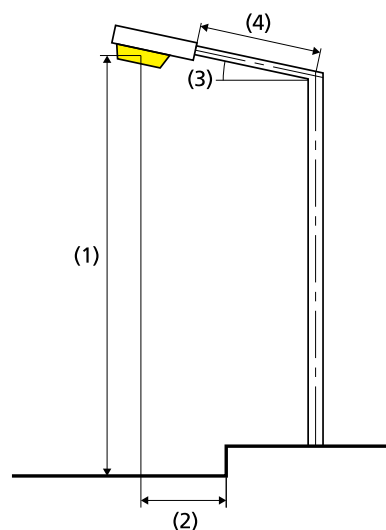
Lamp:	1x16 LEDs
Luminous flux (luminaire):	4382.19 lm
Luminous flux (lamp):	4382.00 lm
Operating Hours	
4000 h:	100.0 %, 39.0 W
W/km:	1014.0
Arrangement:	single side bottom
Pole distance:	39.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	8.300 m
Light overhang (2):	-1.500 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	643 cd/klm *
at 80° and above	195 cd/klm *
at 90° and above	2.28 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.5

Situția 22 according to EN 13201:2015

DIALux Micro Martin 46 W 24 LEDs MRU 046 740 V22 F024 CSN DG1

Results for valuation fields

Maintenance factor: 0.85

Roadway 1 (M5)

Lm [cd/m²] ≥ 0.50	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 15	EIR ≥ 0.30
✓ 0.50	✓ 0.51	✓ 0.75	✓ 9	✓ 0.51

Results for energy efficiency indicators
Power density indicator (Dp) 0.019 W/lx·m²

Energy consumption density

Arrangement: MRU 046 740 V22 F024 CSN DG1 (184.0 kWh/yr) 0.5 kWh/m² yr

Lamp:	1x24 LEDs
Luminous flux (luminaire):	5589.20 lm
Luminous flux (lamp):	5589.00 lm
Operating Hours	
4000 h:	100.0 %, 46.0 W
W/km:	1104.0
Arrangement:	single side bottom
Pole distance:	42.000 m
Boom inclination (3):	0.0°
Boom length (4):	0.500 m
Light centre height (1):	9.000 m
Light overhang (2):	-0.500 m

ULR: 0.00

ULOR: 0.00

Maximum luminous intensities

at 70° and above 536 cd/klm *

at 80° and above 148 cd/klm *

at 90° and above 2.12 cd/klm *

Luminous intensity class: G*2

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.5