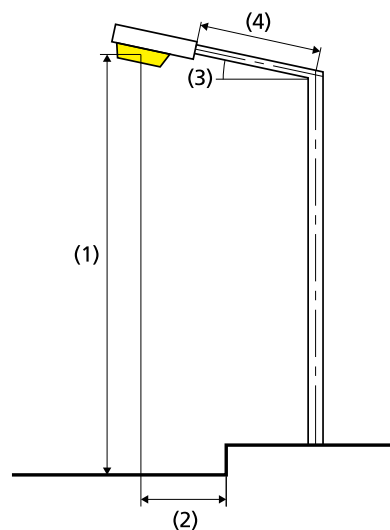
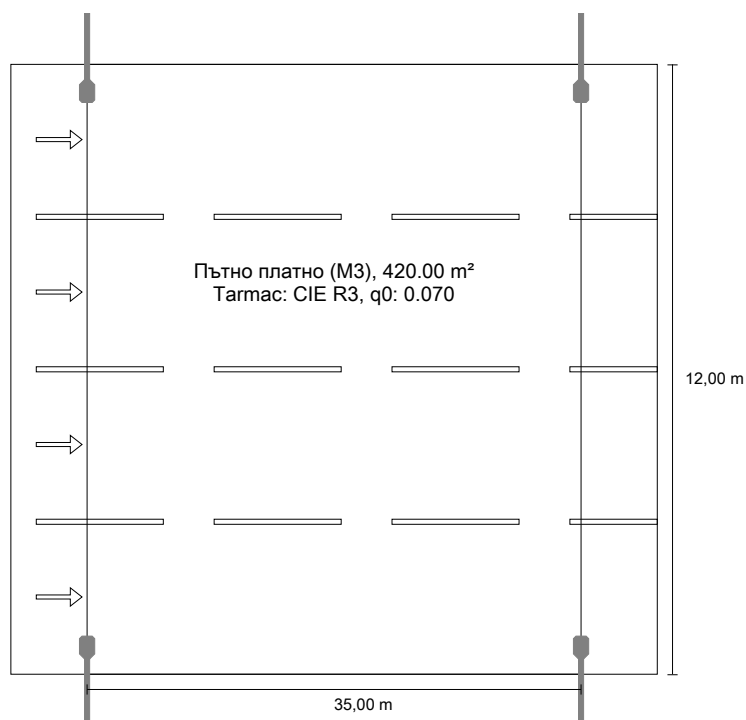


Път I-ви клас according to EN 13201:2015

M-LED M-LED+M 64.4W 4K 230V IP 66 IK 10



Results for valuation fields

Maintenance factor: 0.80

Пътно платно (M3)

Lm [cd/m²] ≥ 1.00	Uo ≥ 0.40	UI ≥ 0.60	TI [%] ≤ 15	EIR ≥ 0.30
✓ 1.40	✓ 0.46	✓ 0.66	✓ 9	✓ 0.38

Results for energy efficiency indicators

Power density indicator (Dp) 0.011 W/lx·m²

Energy consumption density

Arrangement: M-LED+M 64.4W 4K 230V IP 66 IK 10 (515.2 1.2 kWh/m² yr kWh/yr)

Lamp:	32xLED modules
Luminous flux (luminaire):	9295.84 lm
Luminous flux (lamp):	9290.00 lm
Operating Hours	
4000 h:	100.0 %, 64.4 W
W/km:	3735.2
Arrangement:	both sides opposite
Pole distance:	35.000 m
Boom inclination (3):	5.0°
Boom length (4):	1.500 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 436 cd/klm *

at 80° and above 51.1 cd/klm *

at 90° and above 1.46 cd/klm *

Luminous intensity class: G*4

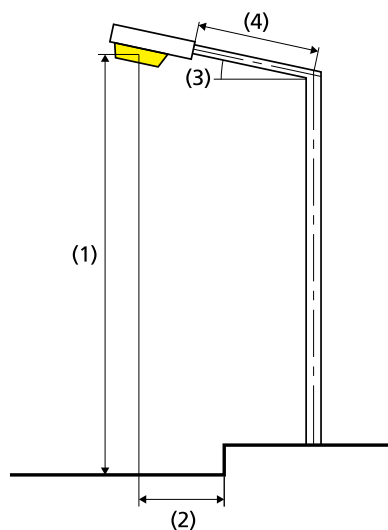
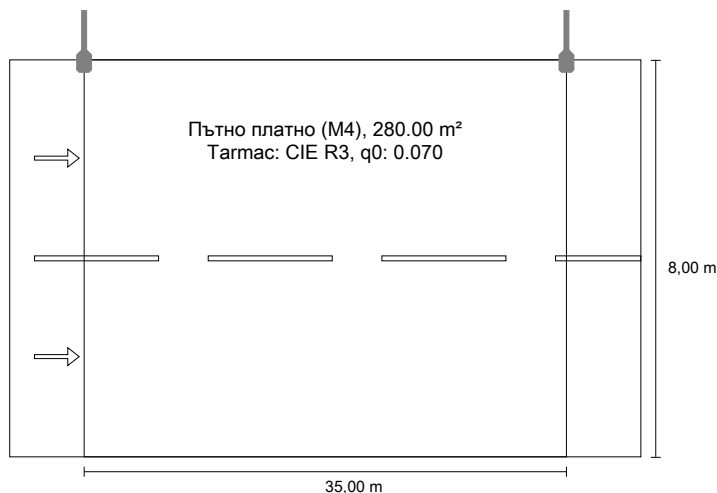
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.3

8м-двупосочен according to EN 13201:2015

M-LED M-LED+M 64.4W 4K 230V IP 66 IK 10



Results for valuation fields

Maintenance factor: 0.80

Пътно платно (M4)

Lm [cd/m²] ≥ 0.75	Uo ≥ 0.40	UI ≥ 0.60	EIR ≥ 0.30	TI [%]
✓ 0.81	✓ 0.56	✓ 0.61	✓ 0.42	* 7

* Informative, not part of the valuation

Results for energy efficiency indicators

Power density indicator (Dp) 0.014 W/lxm²

Energy consumption density

Arrangement: M-LED+M 64.4W 4K 230V IP 66 IK 10 (257.6 0.9 kWh/m² yr kWh/yr)

Lamp:	32xLED modules
Luminous flux (luminaire):	9295.84 lm
Luminous flux (lamp):	9290.00 lm
Operating Hours	
4000 h:	100.0 %, 64.4 W
W/km:	1867.6
Arrangement:	single side top
Pole distance:	35.000 m
Boom inclination (3):	5.0°
Boom length (4):	1.000 m
Light centre height (1):	9.000 m
Light overhang (2):	0.000 m

ULR: 0.00

ULOR: 0.00

Maximum luminous intensities

at 70° and above 436 cd/klm *

at 80° and above 51.1 cd/klm *

at 90° and above 1.46 cd/klm *

Luminous intensity class: G*4

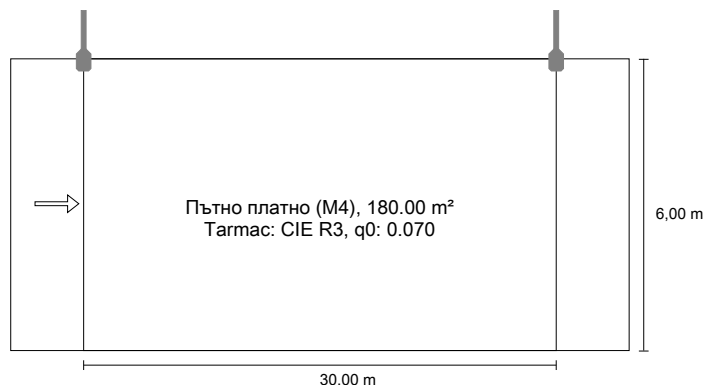
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* 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.6

6M-еднопосочен according to EN 13201:2015

M-LED M-LED+M 64.4W 4K 230V IP 66 IK 10



Results for valuation fields

Maintenance factor: 0.80

Пътно платно (M4)

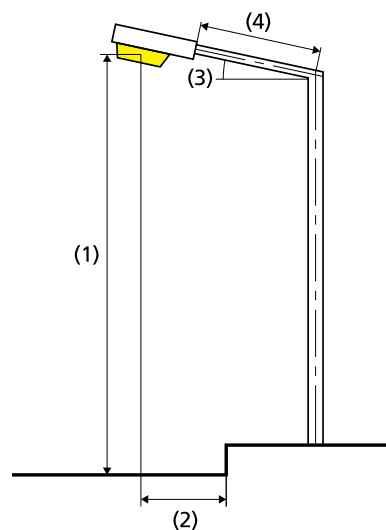
Lm [cd/m²] ≥ 0.75	Uo ≥ 0.40	UI ≥ 0.60	TI [%] ≤ 15	EIR ≥ 0.30
✓ 1.12	✓ 0.71	✓ 0.80	✓ 7	✓ 0.37

Results for energy efficiency indicators

Power density indicator (Dp) 0.017 W/lxm²

Energy consumption density

Arrangement: M-LED+M 64.4W 4K 230V IP 66 IK 10 (257.6 1.4 kWh/m² yr kWh/yr)



Lamp:	32xLED modules
Luminous flux (luminaire):	9295.84 lm
Luminous flux (lamp):	9290.00 lm
Operating Hours	
4000 h:	100.0 %, 64.4 W
W/km:	2125.2
Arrangement:	single side top
Pole distance:	30.000 m
Boom inclination (3):	0.0°
Boom length (4):	1.000 m
Light centre height (1):	9.000 m
Light overhang (2):	0.000 m

ULR: -1.00

ULOR: 0.00

Maximum luminous intensities

at 70° and above 405 cd/klm *

at 80° and above 34.0 cd/klm *

at 90° and above 0.00 cd/klm *

Luminous intensity class: G*4

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.6