Date 13.01.2025

road Climauti de Jos, Moldova

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Date: 2025.01.16 16:32:09 EET
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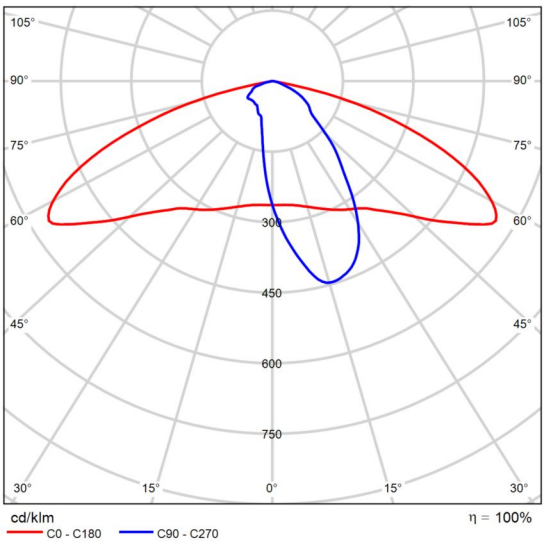
Product data sheet

Vizulo - Micro Martin 9 W 4 LED

Article No.	MRUE 009 740 L04 AA004
P	9.0 W
Φ_{Lamp}	1247 lm
$\Phi_{Luminaire}$	1247 lm
η	100.00 %
Luminous efficacy	138.6 lm/W
CCT	4000 K
CRI	70

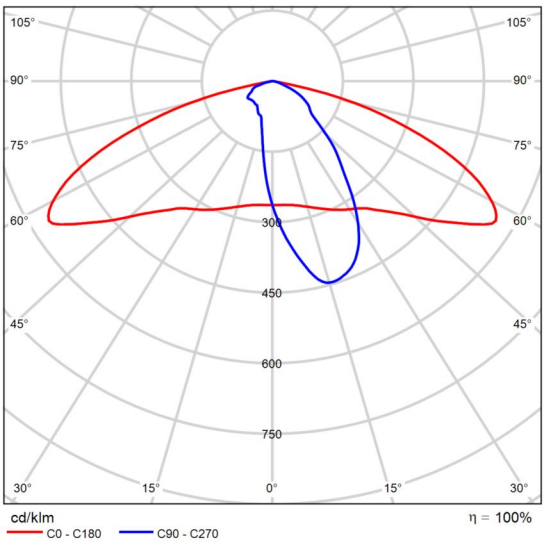


Polar LDC

Product data sheet

Vizulo - Micro Martin 15 W 4 LED

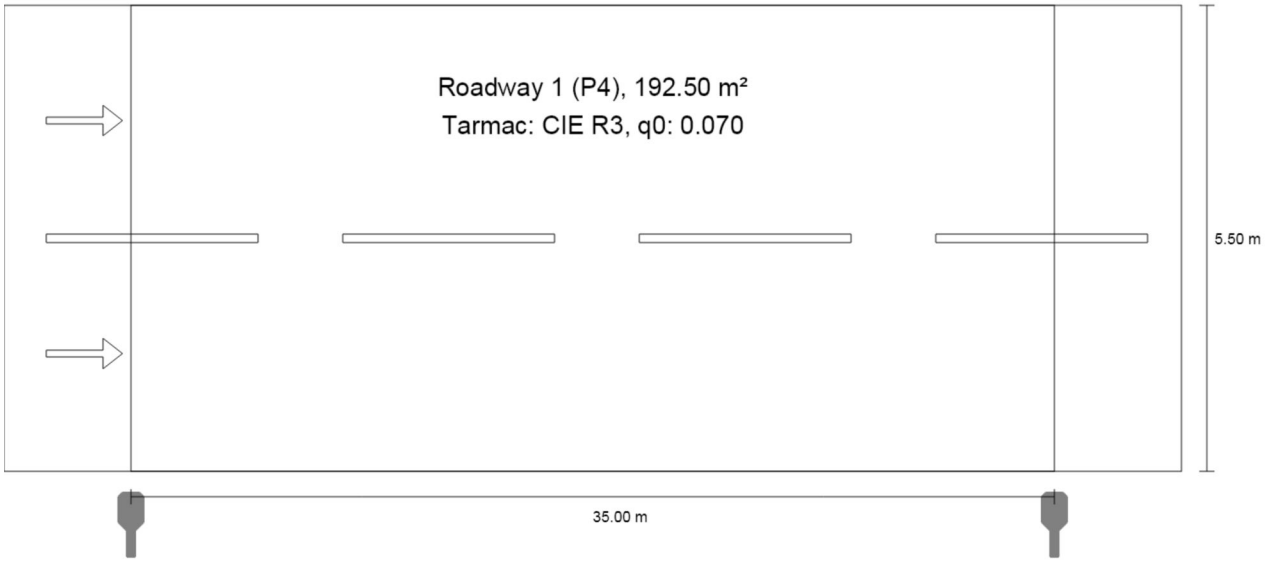
Article No.	MRUE 015 740 L04 AA004
P	15.0 W
Φ_{Lamp}	1911 lm
$\Phi_{Luminaire}$	1911 lm
η	100.00 %
Luminous efficacy	127.4 lm/W
CCT	4000 K
CRI	70



Polar LDC

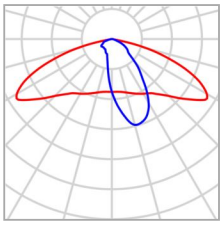
Street 1

Summary (according to EN 13201:2015)



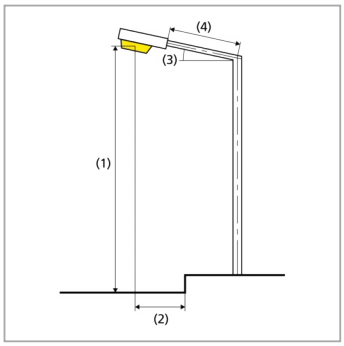
Street 1

Summary (according to EN 13201:2015)



Manufacturer	Vizulo	P	15.0 W
Article No.	MRUE 015 740 L04 AA004	Φ_{Lamp}	1911 lm
Article name	Micro Martin 15 W 4 LED	$\Phi_{Luminaire}$	1911 lm
Fitting	1x 4 LED MOD AA	η	100.00 %

Micro Martin 15 W 4 LED (single side bottom)



Pole distance	35.000 m
(1) Light spot height	6.500 m
(2) Light point overhang	-0.500 m
(3) Boom inclination	5.0°
(4) Boom length	0.500 m
Annual operating hours	4000 h: 100.0 %, 15.0 W
Wattage / route	435.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 487 cd/klm ≥ 80°: 79.0 cd/klm ≥ 90°: 2.55 cd/klm
Luminous intensity class 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.	G*4
Glare index class	D.6
MF	0.85

Street 1

Summary (according to EN 13201:2015)

Results for valuation fields

A maintenance factor of 0.85 was used for calculating for the installation.

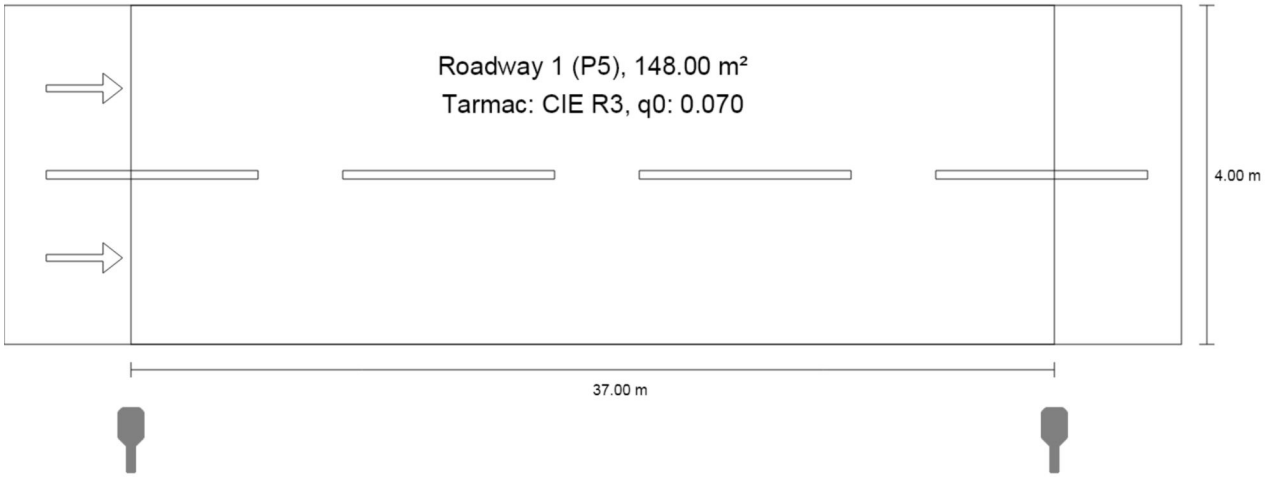
	Symbol	Calculated	Target	Check
Roadway 1 (P4)	E_{av}	5.03 lx	[5.00 - 7.50] lx	✓
	E_{min}	1.30 lx	≥ 1.00 lx	✓

Results for energy efficiency indicators

	Symbol	Calculated	Energy Consumption
Street 1	D_p	0.015 W/lx*m²	–
Micro Martin 15 W 4 LED (single side bottom)	D_e	0.3 kWh/m² yr	60.0 kWh/yr

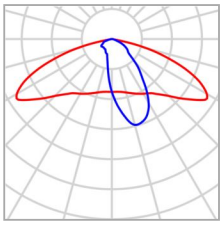
Street 2

Summary (according to EN 13201:2015)



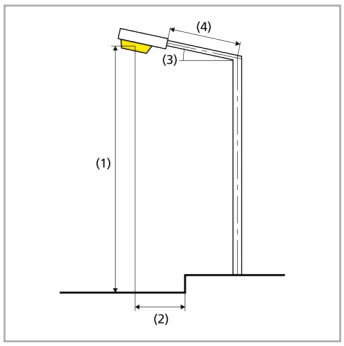
Street 2

Summary (according to EN 13201:2015)



Manufacturer	Vizulo	P	9.0 W
Article No.	MRUE 009 740 L04 AA004	Φ_{Lamp}	1247 lm
Article name	Micro Martin 9 W 4 LED	$\Phi_{Luminaire}$	1247 lm
Fitting	1x 4 LED MOD AA	η	100.00 %

Micro Martin 9 W 4 LED (single side bottom)



Pole distance	37.000 m
(1) Light spot height	6.500 m
(2) Light point overhang	-1.000 m
(3) Boom inclination	5.0°
(4) Boom length	0.500 m
Annual operating hours	4000 h: 100.0 %, 9.0 W
Wattage / route	243.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 487 cd/klm ≥ 80°: 79.0 cd/klm ≥ 90°: 2.55 cd/klm
Luminous intensity class 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.	G*4
Glare index class	D.6
MF	0.85

Street 2

Summary (according to EN 13201:2015)

Results for valuation fields

A maintenance factor of 0.85 was used for calculating for the installation.

	Symbol	Calculated	Target	Check
Roadway 1 (P5)	E_{av}	3.39 lx	[3.00 - 4.50] lx	✓
	E_{min}	0.66 lx	≥ 0.60 lx	✓

Results for energy efficiency indicators

	Symbol	Calculated	Energy Consumption
Street 2	D_p	0.018 W/lx*m²	–
Micro Martin 9 W 4 LED (single side bottom)	D_e	0.2 kWh/m² yr	36.0 kWh/yr