

Harku valla tänavavalgustuse taristu renoveerimine

Lõik 8 - Munakivi tee

Projekteerija

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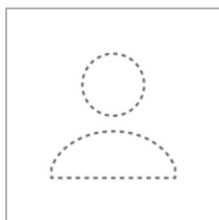
Luminaire list

| | | |
|-----------------------------------|-------------------------------|---------------------------------|
| Φ_{total} 23956 lm | P_{total} 200.0 W | Luminous efficacy 119.8 lm/W |
|-----------------------------------|-------------------------------|---------------------------------|

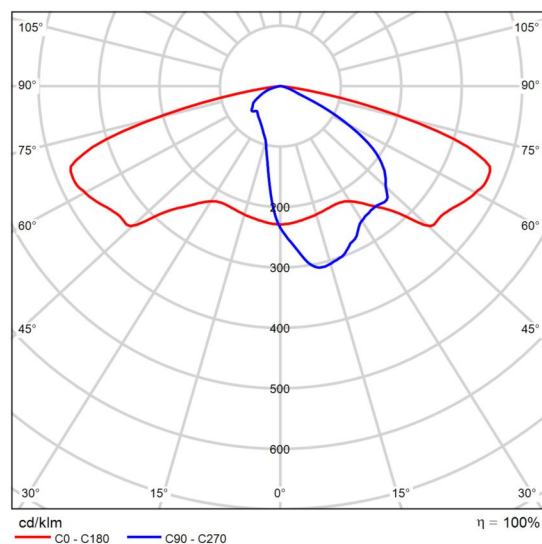
| pcs. | Manufacturer | Article No. | Article name | P | Φ | Luminous efficacy |
|------|-------------------------------|---------------------------------|---------------------------------|--------|---------|-------------------|
| 4 | Not yet a DIALux member | Micro Martin 50 W 16 LEDs | MRUE 050 730 L22 AA016_Bin-L_TH | 50.0 W | 5989 lm | 119.8 lm/W |

Product data sheet

Not yet a DIALux member - MRUE 050 730 L22 AA016_Bin-L_TH



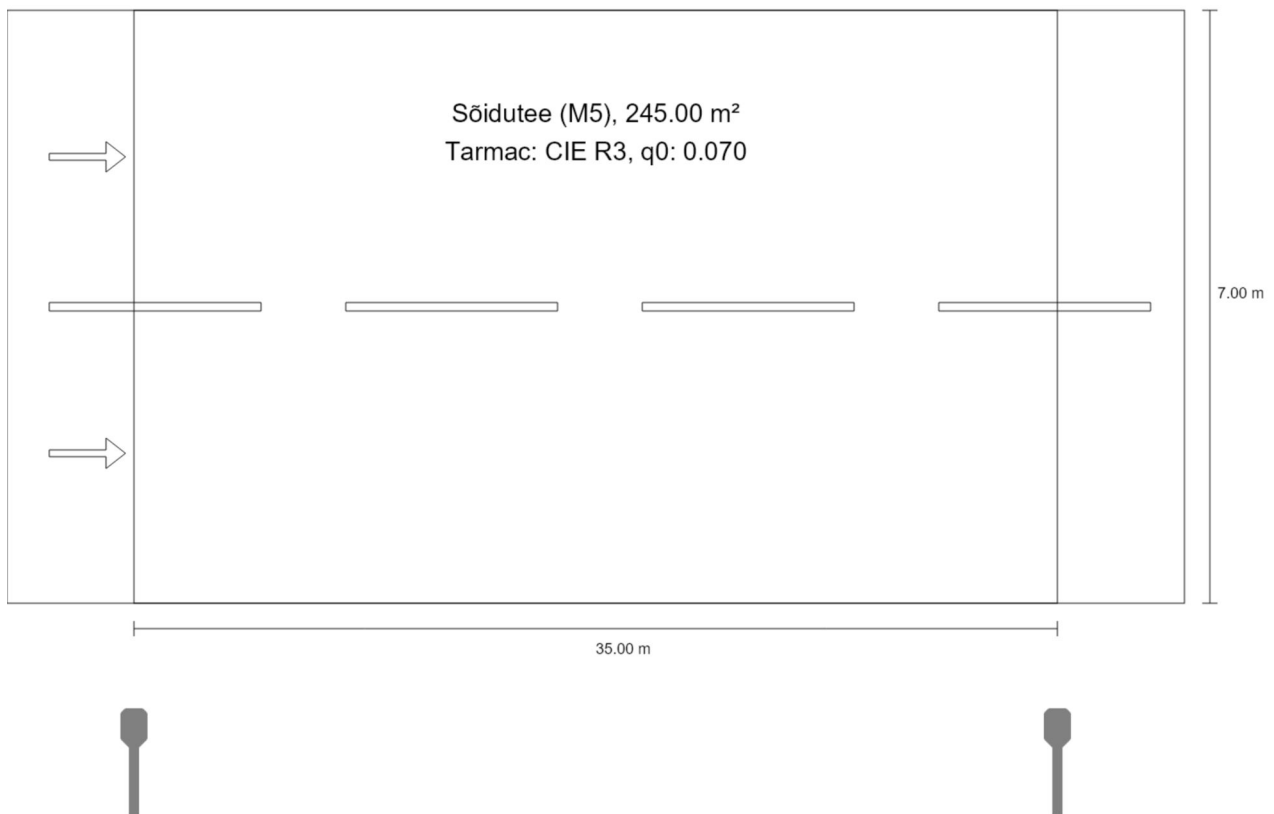
| | |
|---------------------------|---------------------------|
| Article No. | Micro Martin 50 W 16 LEDs |
| P | 50.0 W |
| Φ_{Lamp} | 5989 lm |
| $\Phi_{\text{Luminaire}}$ | 5989 lm |
| η | 100.00 % |
| Luminous efficacy | 119.8 lm/W |
| CCT | 3000 K |
| CRI | 70 |



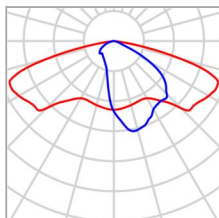
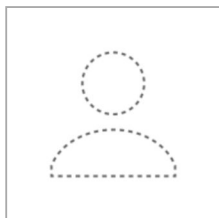
Polar LDC

Metsa tee

Summary (according to EN 13201:2015)



Metsa tee

Summary (according to EN 13201:2015)

| | |
|--------------|---------------------------------|
| Manufacturer | Not yet a DIALux member |
| Article No. | Micro Martin 50 W 16 LEDs |
| Article name | MRUE 050 730 L22 AA016_Bin-L_TH |
| Fitting | 1x 16 LEDs bin L |

| | |
|---------------------------|----------|
| P | 50.0 W |
| Φ_{Lamp} | 5989 lm |
| $\Phi_{\text{Luminaire}}$ | 5989 lm |
| η | 100.00 % |

Metsa tee

Summary (according to EN 13201:2015)

MRUE 050 730 L22 AA016_Bin-L_TH (single side bottom)

| | |
|--|---|
| Pole distance | 35.000 m |
| (1) Light spot height | 10.000 m |
| (2) Light point overhang | -1.500 m |
| (3) Boom inclination | 0.0° |
| (4) Boom length | 1.000 m |
| Annual operating hours | 4000 h: 100.0 %, 50.0 W |
| Wattage / route | 1450.0 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. | $\geq 70^\circ$: 602 cd/klm $\geq 80^\circ$: 159 cd/klm $\geq 90^\circ$: 1.91 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*1 |
| Glare index class | D.5 |
| MF | 0.80 |



Metsa tee

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 |
|---------------|----------|------------------------|--------------------------|-------|
| Sõidutee (M5) | L_{av} | 0.52 cd/m ² | ≥ 0.50 cd/m ² | ✓ |
| | U_o | 0.48 | ≥ 0.35 | ✓ |
| | U_l | 0.70 | ≥ 0.40 | ✓ |
| | TI | 9 % | ≤ 15 % | ✓ |
| | R_{EI} | 0.64 | ≥ 0.30 | ✓ |

Results for energy efficiency indicators

| | Symbol | Calculated | Energy Consumption |
|--|--------|---------------------------|--------------------|
| Metsa tee | D_p | 0.025 W/lx*m ² | – |
| MRUE 050 730 L22 AA016_Bin-L_TH (single side bottom) | D_e | 0.8 kWh/m ² yr | 200.0 kWh/yr |