

23-178 D1) SVETELNO-TECHNICKÝ VÝPOČET

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Product data sheets

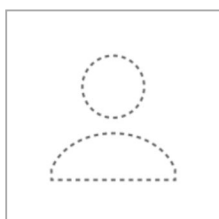
| | |
|--|---|
| Not yet a DIALux member - Tumbler 16L 3000K 500 TII (1x TML 3 24 500 10W T2) | 3 |
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Street 1 · Alternative 1

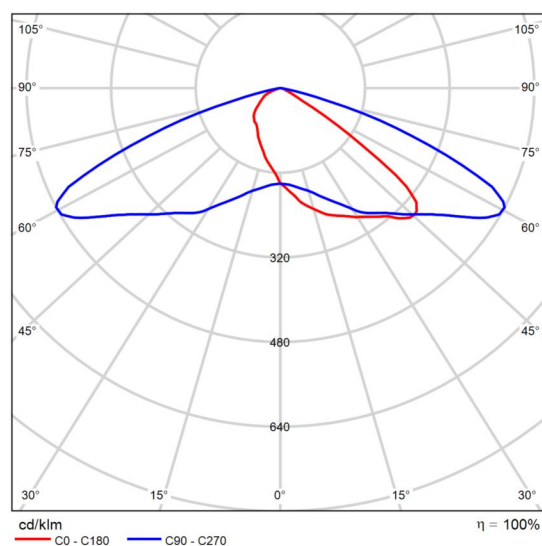
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| Summary (according to EN 13201:2015) | 4 |
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Product data sheet

Not yet a DIALux member - Tumbler 16L 3000K 500 TII

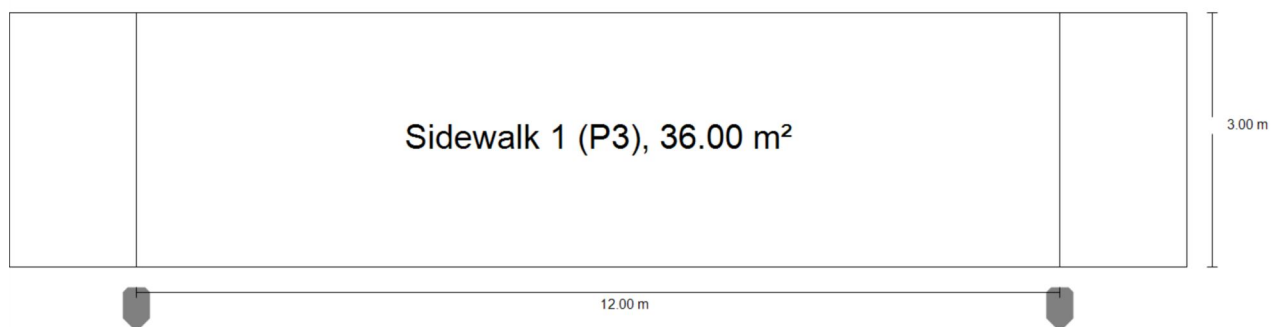


| | |
|---------------------------|-------------------|
| Article No. | TML 3K TML16B1TII |
| P | 28.0 W |
| Φ_{Lamp} | 2371 lm |
| $\Phi_{\text{Luminaire}}$ | 2371 lm |
| η | 100.00 % |
| Luminous efficacy | 84.7 lm/W |
| CCT | 3000 K |
| CRI | 100 |

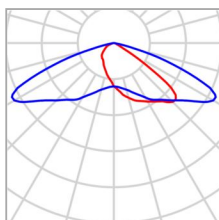
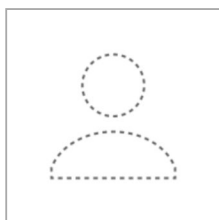


Polar LDC

Street 1

Summary (according to EN 13201:2015)

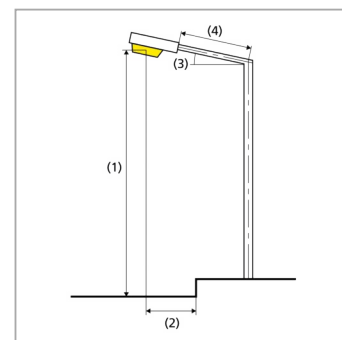
Street 1

Summary (according to EN 13201:2015)

| | | | |
|--------------|---------------------------|---------------------------|----------|
| Manufacturer | Not yet a DIALux member | P | 28.0 W |
| Article No. | TML 3K TML16B1TII | Φ_{Lamp} | 2371 lm |
| Article name | Tumbler 16L 3000K 500 TII | $\Phi_{\text{Luminaire}}$ | 2371 lm |
| Fitting | 1x TML 3 24 500 10W T2 | η | 100.00 % |

Tumbler 16L 3000K 500 TII (single side bottom)

| | |
|--|--|
| Pole distance | 12.000 m |
| (1) Light spot height | 4.000 m |
| (2) Light point overhang | -0.500 m |
| (3) Boom inclination | 0.0° |
| (4) Boom length | 0.000 m |
| Annual operating hours | 4000 h: 100.0 %, 28.0 W |
| Consumption | 2324.0 W/km |
| ULR / ULOR | 0.00 / 0.00 |
| Max. luminous intensities | $\geq 70^\circ$: 371 cd/klm $\geq 80^\circ$: 14.6 cd/klm $\geq 90^\circ$: 0.00 cd/klm |
| Luminous intensity class | G*4 |
| 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. | |
| Glare index class | D.6 |



Street 1

Summary (according to EN 13201:2015)

Results for valuation fields

| | Symbol | Calculated | Target | Check |
|-----------------|-----------|------------|-------------------|-------|
| Sidewalk 1 (P3) | E_{av} | 9.90 lx | [7.50 - 11.25] lx | ✓ |
| | E_{min} | 1.66 lx | ≥ 1.50 lx | ✓ |

A maintenance factor of 0.67 was used for calculating for the installation.

Results for energy efficiency indicators

| | Symbol | Calculated | Consumption |
|---|--------|----------------------------|--------------|
| Street 1 | D_p | 0.079 W/lx*m ² | - |
| Tumbler 16L 3000K 500 TII (single side bottom) | D_e | 3.1 kWh/m ² yr, | 112.0 kWh/yr |