Surface

# Roll CH0277

Surface luminaire

Surface luminaire. 14 W. Four beam angles, 15° to 50°. 2700, 3000, 4000 K. 97 CRI.

- LED source: Citizen

| | | |
|---|---|---|
| Power<br>**14 W** | Voltage<br>**230 V AC** | Luminous flux<br>**1300 lm** |
| Colour temperature<br>**2700 K, 3000 K, 4000 K** | CRI<br>**97 CRI** | Beam angles<br>**15°, 24°, 36°, 50°** |
| IP rating<br>**IP20** | Certifications<br>**CE** | Mounting<br>**Surface** |
| Finishes<br>**White** | | |

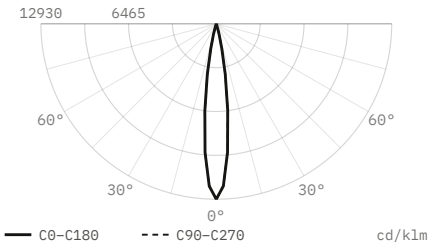
# Models

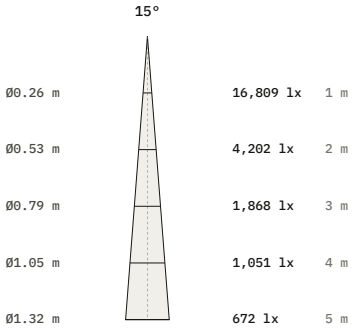
| Code | Power | Voltage | Flux | CRI | Size | Beam |
|---|---|---|---|---|---|---|
| **CH0277** | 14 W | 230 V AC | 1300 lm | 97 CRI | 150 × 80 × 100 mm | 15° 24° 36° 50° |

# Photometry

Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for CH0277, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

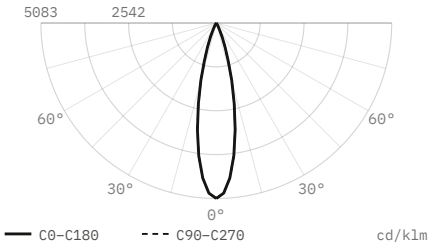
## CH0277, 14 W, 15° beam

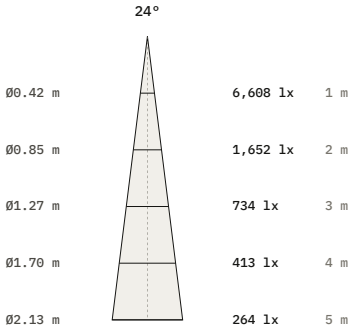



| | |
|---|---|
| Luminous flux | 1,300 lm |
| Efficacy | 93 lm/W |
| Peak intensity | 16,809 cd, 12,930 cd/klm |
| Beam angle (50%) | 15° |
| Field angle (10%) | 27.3° |
| Cut-off angle (2.5%) | 17° |
| Flux 0–30° / 30–60° / 60–90° | 100 / 0 / 0 % |
| Size | 150 × 80 × 100 mm |
| Data | Calculated from catalogue data |

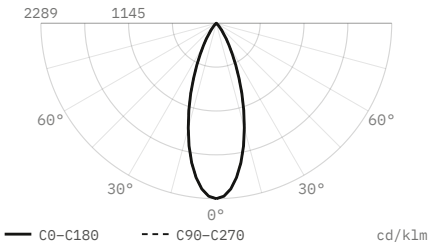
## CH0277, 14 W, 24° beam

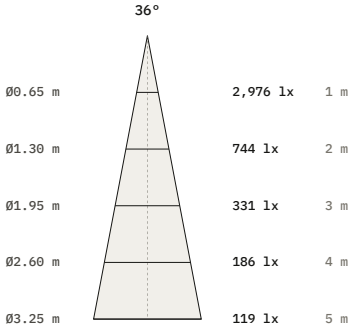



| | |
|---|---|
| Luminous flux | 1,300 lm |
| Efficacy | 93 lm/W |
| Peak intensity | 6,608 cd, 5,083 cd/klm |
| Beam angle (50%) | 24° |
| Field angle (10%) | 43.7° |
| Cut-off angle (2.5%) | 27.5° |
| Flux 0–30° / 30–60° / 60–90° | 98.7 / 1.3 / 0 % |
| Size | 150 × 80 × 100 mm |
| Data | Calculated from catalogue data |

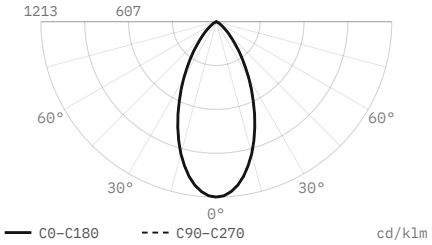
## CH0277, 14 W, 36° beam

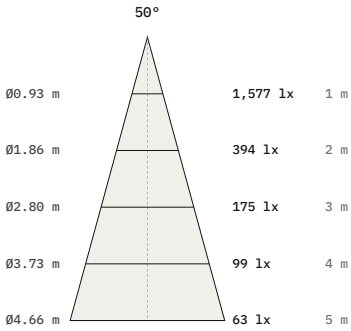



| | |
|---|---|
| Luminous flux | 1,300 lm |
| Efficacy | 93 lm/W |
| Peak intensity | 2,976 cd, 2,289 cd/klm |
| Beam angle (50%) | 36° |
| Field angle (10%) | 65.6° |
| Cut-off angle (2.5%) | 41.5° |
| Flux 0–30° / 30–60° / 60–90° | 86.1 / 13.9 / 0 % |
| Size | 150 × 80 × 100 mm |
| Data | Calculated from catalogue data |

## CH0277, 14 W, 50° beam




| | |
|---|---|
| Luminous flux | 1,300 lm |
| Efficacy | 93 lm/W |
| Peak intensity | 1,577 cd, 1,213 cd/klm |
| Beam angle (50%) | 50° |
| Field angle (10%) | 91.1° |
| Cut-off angle (2.5%) | 57.5° |
| Flux 0–30° / 30–60° / 60–90° | 64.8 / 33.6 / 1.5 % |
| Size | 150 × 80 × 100 mm |
| Data | Calculated from catalogue data |

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Technical data may change without notice.