

Surface

# Roll CH0185

Surface luminaire



Surface luminaire. 8, 10 or 15 W. Four beam angles, 15° to 50°. 2700, 3000, 4000 K. 97 CRI.

— LED source: Citizen

|                        |                |                         |
|------------------------|----------------|-------------------------|
| Power                  | Voltage        | Luminous flux           |
| 8 W, 10 W, 15 W        | 230 V AC       | 630 lm, 960 lm, 1300 lm |
| Colour temperature     | CRI            | Beam angles             |
| 2700 K, 3000 K, 4000 K | 97 CRI         | 15°, 24°, 36°, 50°      |
| IP rating              | Certifications | Mounting                |
| IP20                   | CE             | Surface                 |
| Finishes               |                |                         |
| Black                  |                |                         |

Dimensions



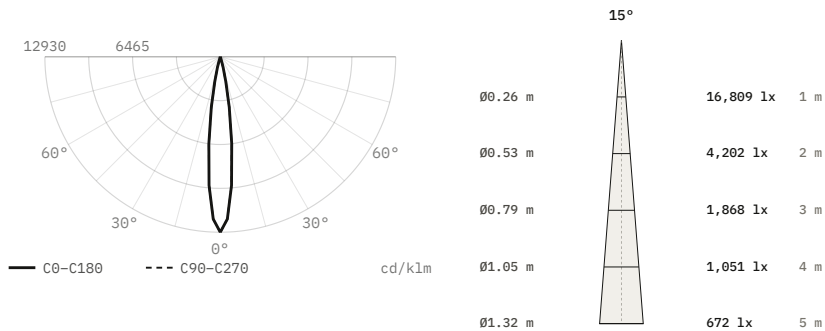
Models

| Code   | Power | Voltage  | Flux    | CRI    | Size         | Beam            |
|--------|-------|----------|---------|--------|--------------|-----------------|
| CH0185 | 8 W   | 230 V AC | 630 lm  | 97 CRI | Ø40 × 135 mm | 15° 24° 36° 50° |
| CH0186 | 10 W  | 230 V AC | 960 lm  | 97 CRI | Ø50 × 120 mm | 15° 24° 36° 50° |
| CH0187 | 15 W  | 230 V AC | 1300 lm | 97 CRI | Ø60 × 150 mm | 15° 24° 36° 50° |

# Photometry

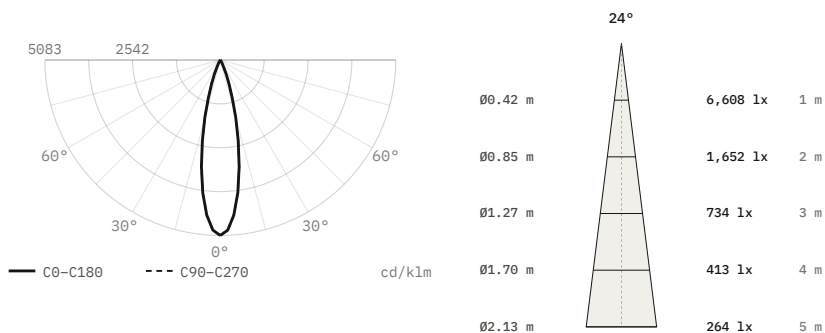
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for CH0187, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

## CH0187, 15 W, 15° beam



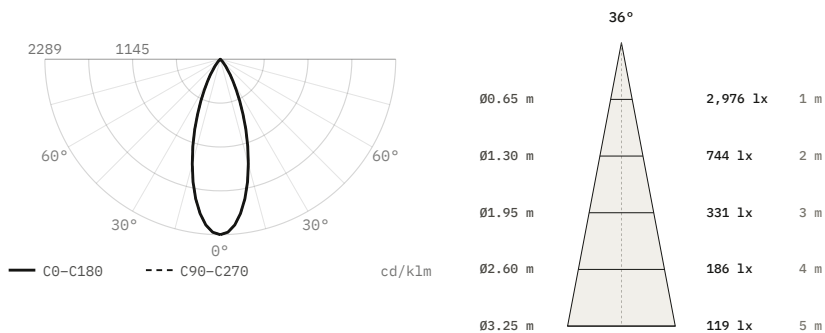
|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 1,300 lm                       |
| Efficacy                     | 87 lm/W                        |
| Peak intensity               | 16,809 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                         | Ø60 × 150 mm                   |
| Data                         | Calculated from catalogue data |

## CH0187, 15 W, 24° beam



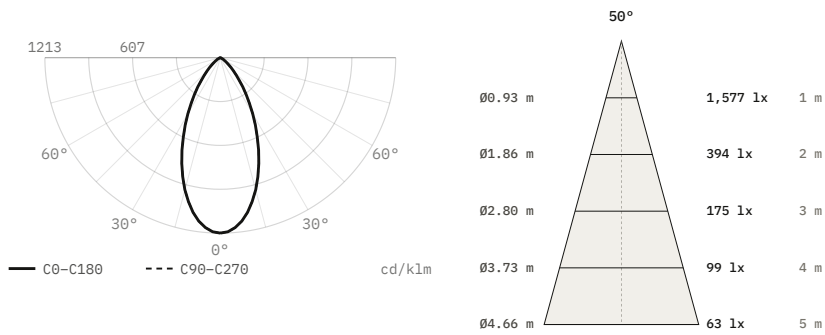
|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 1,300 lm                       |
| Efficacy                     | 87 lm/W                        |
| Peak intensity               | 6,608 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                         | Ø60 × 150 mm                   |
| Data                         | Calculated from catalogue data |

## CH0187, 15 W, 36° beam



|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 1,300 lm                       |
| Efficacy                     | 87 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                         | Ø60 × 150 mm                   |
| Data                         | Calculated from catalogue data |

CH0187, 15 W, 50° beam



|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 1,300 lm                       |
| Efficacy                     | 87 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                         | Ø60 × 150 mm                   |
| Data                         | Calculated from catalogue data |