

Surface

Robo CH0188

Surface luminaire

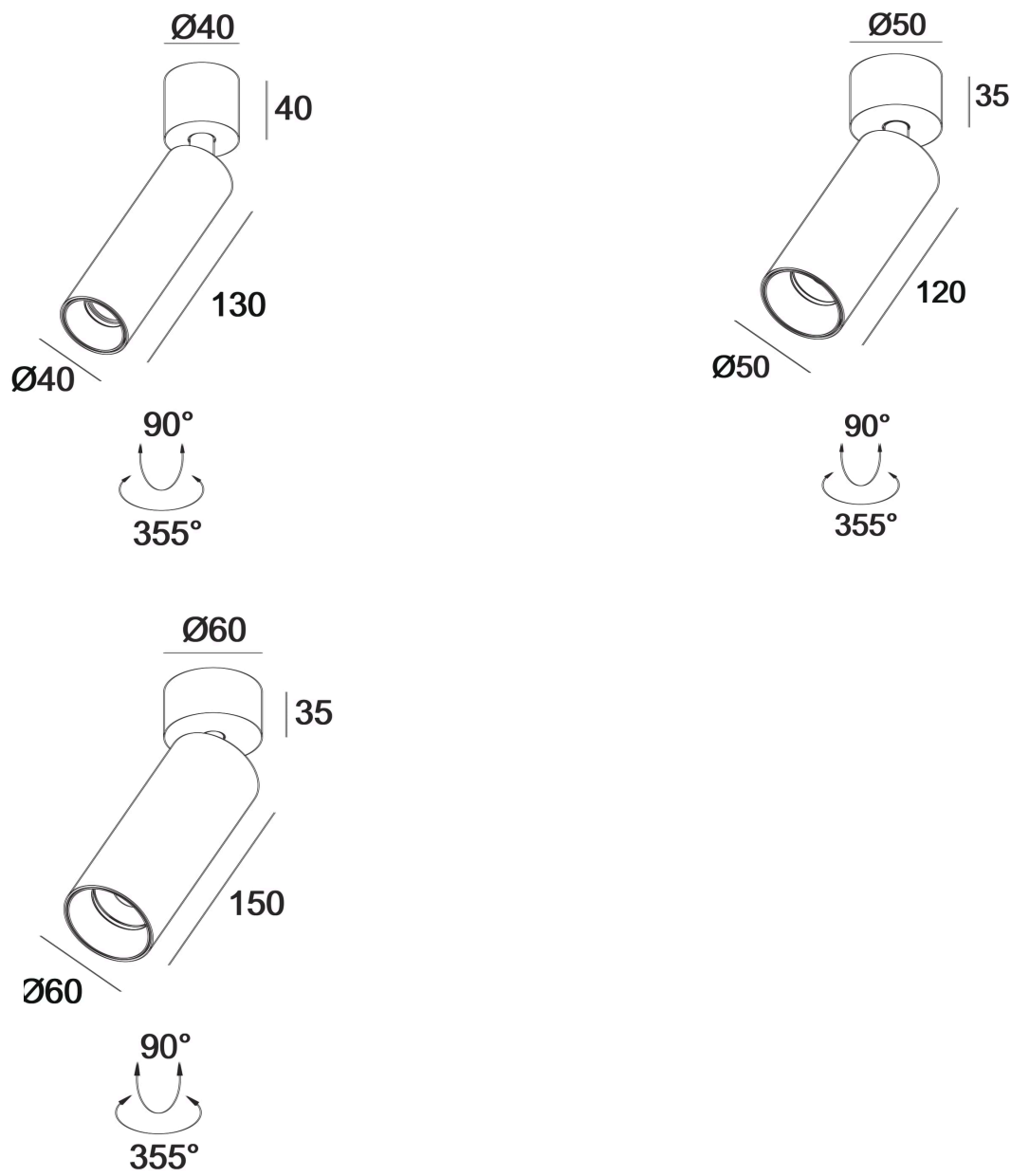


Surface luminaire. 8 or 15 W. Four beam angles, 15° to 50°. 2700, 3000, 4000 K. 97 CRI.

— LED source: Citizen

Power 8 W, 15 W	Voltage 230 V AC	Luminous flux 730 lm, 1300 lm
Colour temperature 2700 K, 3000 K, 4000 K	CRI 97 CRI	Beam angles 15°, 24°, 36°, 50°
IP rating IP20	Certifications CE	Mounting Surface
Finishes White		

Dimensions



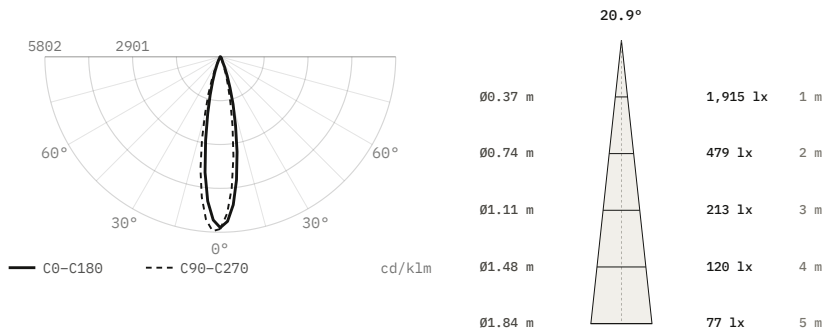
Models

Code	Power	Voltage	Flux	CRI	Size	Beam
CH0188	8 W	230 V AC	730 lm	97 CRI	Canopy Ø40 × 40 mm; body Ø40 × 130 mm	15° 24° 36° 50°
CH0189	8 W	230 V AC	730 lm	97 CRI	Canopy Ø50 × 35 mm; body Ø50 × 120 mm	15° 24° 36° 50°
CH0190	15 W	230 V AC	1300 lm	97 CRI	Canopy Ø60 × 35 mm; body Ø60 × 150 mm	15° 24° 36° 50°

Photometry

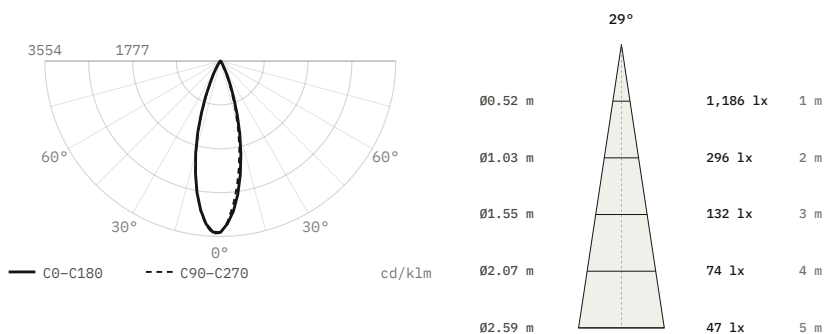
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for CH0188, from the same data as the IES and LDT files on the product page. Curves marked measured come from goniophotometer tests in the laboratory; the others are calculated from catalogue data, not measured.

CH0188, 7 W, 2400 K, 15° beam, measured



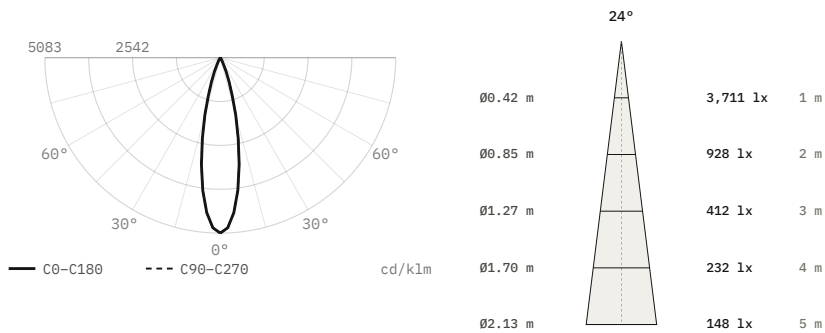
Luminous flux	339 lm
Efficacy	48 lm/W
Peak intensity	1,967 cd, 5,802 cd/klm
Beam angle (50%)	20.9°
Field angle (10%)	40°
Cut-off angle (2.5%)	27°
Flux 0–30° / 30–60° / 60–90°	93.7 / 5.5 / 0.8 %
Size	Ø40 mm
Data	Measured with a goniophotometer (EVERFINE GO-2000B), 26 September 2025

CH0188, 8.2 W, 2400 K, 36° beam, measured



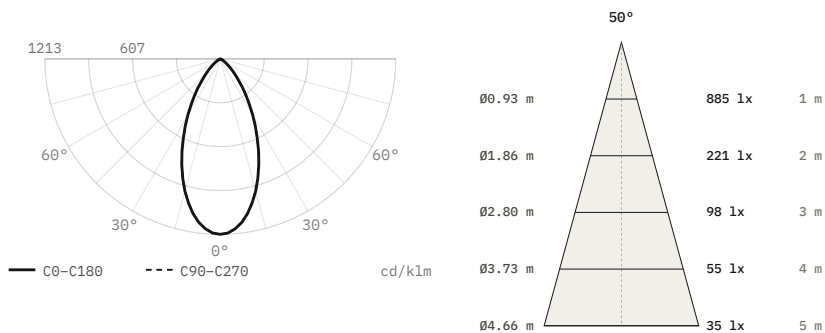
Luminous flux	341 lm
Efficacy	42 lm/W
Peak intensity	1,212 cd, 3,554 cd/klm
Beam angle (50%)	29°
Field angle (10%)	50.8°
Cut-off angle (2.5%)	32°
Flux 0–30° / 30–60° / 60–90°	93.5 / 5.7 / 0.8 %
Size	Ø40 mm
Data	Measured with a goniophotometer (EVERFINE GO-2000B), 26 September 2025

CH0188, 8 W, 24° beam



Luminous flux	730 lm
Efficacy	91 lm/W
Peak intensity	3,711 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	Ø40 mm
Data	Calculated from catalogue data

CH0188, 8 W, 50° beam



Luminous flux	730 lm
Efficacy	91 lm/W
Peak intensity	885 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	Ø40 mm
Data	Calculated from catalogue data

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Technical data may change without notice.