

Recessed

R3-4012

Recessed spotlight

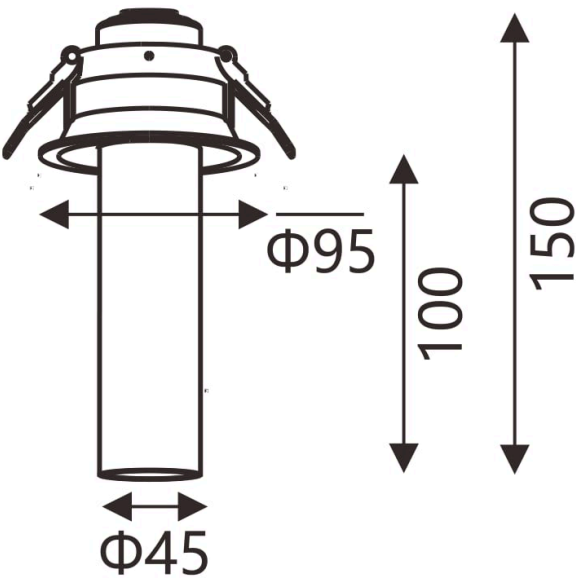


Recessed spotlight. 10 W. Three beam angles, 15° to 36°. 3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø85 mm
- LED source: Citizen

Power 10 W	Voltage 220–240 V AC	Luminous flux 800–900 lm
Colour temperature 3000 K, 4000 K	CRI 97 CRI	Beam angles 15°, 24°, 36°
IP rating IP20	Certifications CE, RoHS, EMC, LVD	Mounting Recessed
Control On/Off, DALI, 0-10V, Triac, Casambi	Finishes White, Black, Grey	

Dimensions



Models

Code	Power	Voltage	Flux	CRI	Size	Cut-out	Beam
R3-4012	10 W	220–240 V AC	800–900 lm	97 CRI	Ø95 mm flange; stem Ø45 × 100 mm; 150 mm overall	Ø85 mm	15° 24° 36°

Photometric data

Illuminance on the beam axis (lx) and beam diameter at each mounting distance, per model and beam angle. IES files for every model and beam can be downloaded from the product page.

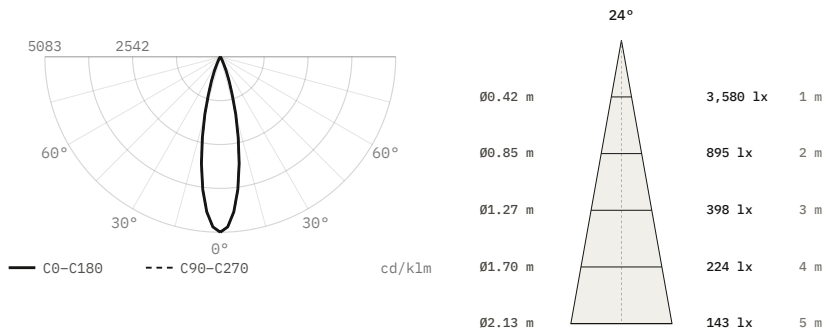
10 W

24°			36°		
Ø0.49 m	3,580 lx	1 m	Ø0.69 m	2,318 lx	1 m
Ø0.98 m	895 lx	2 m	Ø1.38 m	579 lx	2 m
Ø1.46 m	397 lx	3 m	Ø2.07 m	257 lx	3 m
Beam	1 m		2 m		3 m
24°	3,580 lx Ø490 mm		895 lx Ø980 mm		397 lx Ø1460 mm
36°	2,318 lx Ø690 mm		579 lx Ø1380 mm		257 lx Ø2070 mm

Photometry

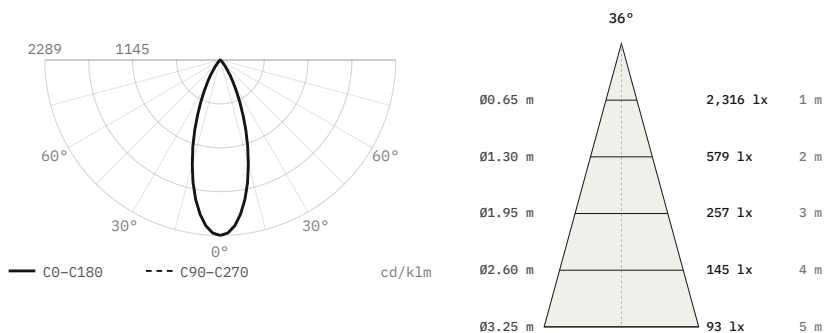
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for R3-4012, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

R3-4012, 10 W, 24° beam



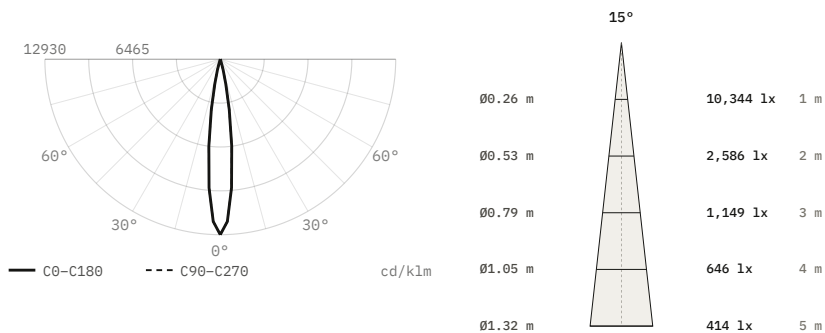
Luminous flux	704 lm
Efficacy	70 lm/W
Peak intensity	3,580 cd, 5,083 cd/klm
Beam angle (50%)	24°
Field angle (10%)	43.7°
Cut-off angle (2.5%)	27.5°
Flux 0–30° / 30–60° / 60–90°	98.7 / 1.3 / 0 %
Size	Ø95 mm
Data	Calculated from catalogue data

R3-4012, 10 W, 36° beam



Luminous flux	1,012 lm
Efficacy	101 lm/W
Peak intensity	2,316 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	Ø95 mm
Data	Calculated from catalogue data

R3-4012, 10 W, 15° beam



Luminous flux	800 lm
Efficacy	80 lm/W
Peak intensity	10,344 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	Ø95 mm
Data	Calculated from catalogue data

