

Recessed

R3-4091

Recessed spotlight

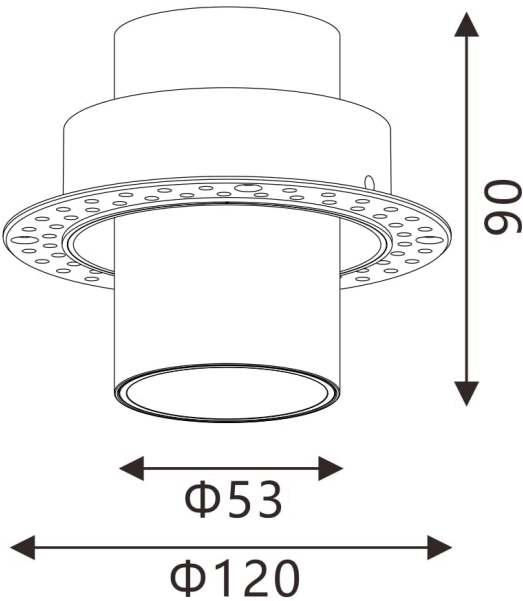


Recessed spotlight. 14 W. Three beam angles, 18° to 36°. 3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø90 mm
- LED source: Citizen

Power 14 W	Voltage 220–240 V AC	Luminous flux 1100–1200 lm
Colour temperature 3000 K, 4000 K	CRI 97 CRI	Beam angles 18°, 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
R3-4091	14 W	220–240 V AC	1100–1200 lm	97 CRI	Ø120 flange x 90 mm; cylinder Ø53 mm	Ø90 mm	18° 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.

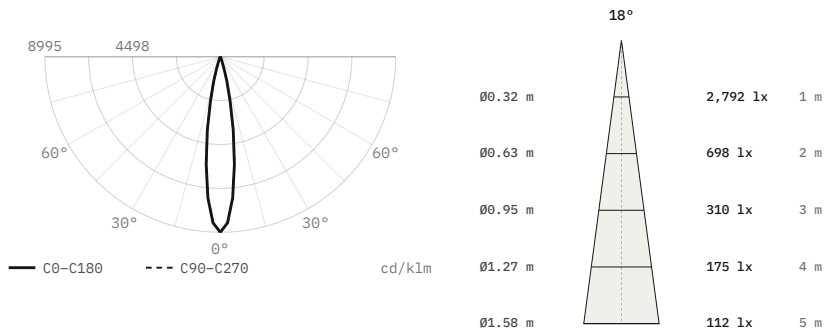
14 W

18°			24°		
Ø0.50 m	2,793 lx	1 m	Ø0.58 m	2,581 lx	1 m
Ø1.01 m	698 lx	2 m	Ø1.16 m	645 lx	2 m
Ø1.51 m	310 lx	3 m	Ø1.73 m	286 lx	3 m
Beam	1 m		2 m		3 m
18°	2,793 lx Ø500 mm		698 lx Ø1010 mm		310 lx Ø1510 mm
24°	2,581 lx Ø580 mm		645 lx Ø1160 mm		286 lx Ø1730 mm

Photometry

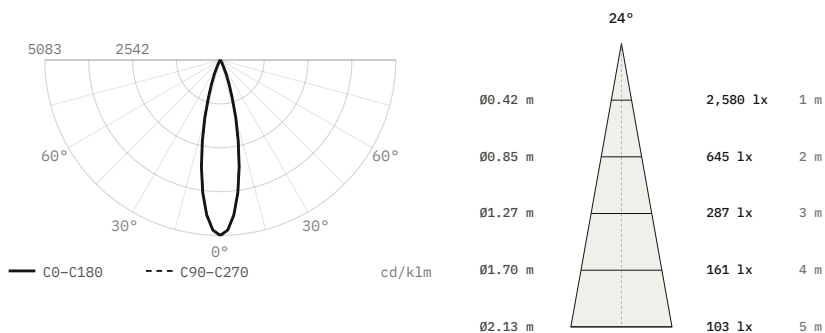
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for R3-4091, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

R3-4091, 14 W, 18° beam



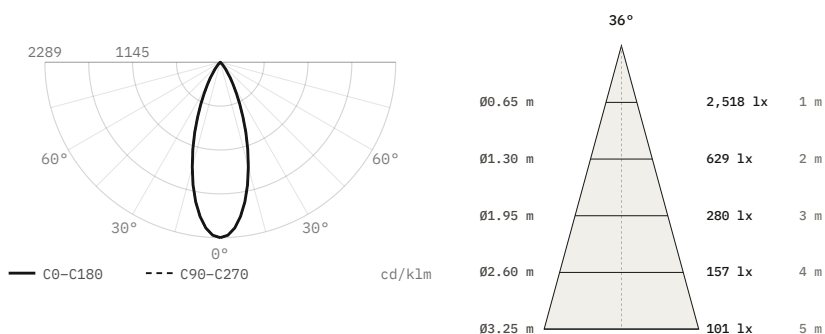
Luminous flux	310 lm
Efficacy	22 lm/W
Peak intensity	2,792 cd, 8,995 cd/klm
Beam angle (50%)	18°
Field angle (10%)	32.8°
Cut-off angle (2.5%)	20.5°
Flux 0–30° / 30–60° / 60–90°	100 / 0 / 0 %
Size	Ø120 × 90 mm
Data	Calculated from catalogue data

R3-4091, 14 W, 24° beam



Luminous flux	508 lm
Efficacy	36 lm/W
Peak intensity	2,580 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	Ø120 × 90 mm
Data	Calculated from catalogue data

R3-4091, 14 W, 36° beam



Luminous flux	1,100 lm
Efficacy	79 lm/W
Peak intensity	2,518 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	Ø120 × 90 mm
Data	Calculated from catalogue data

