Recessed

R3-1002

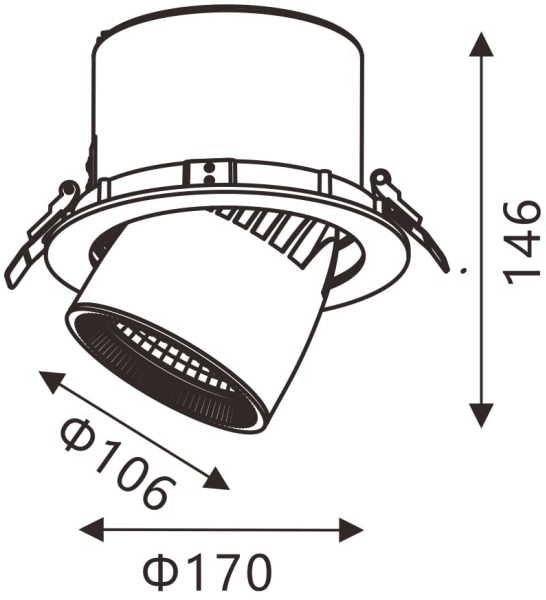
Recessed spotlight

Recessed spotlight. 35 W. Four beam angles, 15° to 60°. 3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø160 mm
- LED source: Citizen

Power **35 W**	Voltage **220–240 V AC**	Luminous flux **3400–3500 lm**
Colour temperature **3000 K, 4000 K**	CRI **97 CRI**	Beam angles **15°, 30°, 45°, 60°**
IP rating **IP20**	Certifications **CE, RoHS, EMC, LVD**	Mounting **Recessed**
Control **On/Off, DALI, 0-10V, Triac, Casambi**	Finishes **White, Black, Grey**	

Dimensions



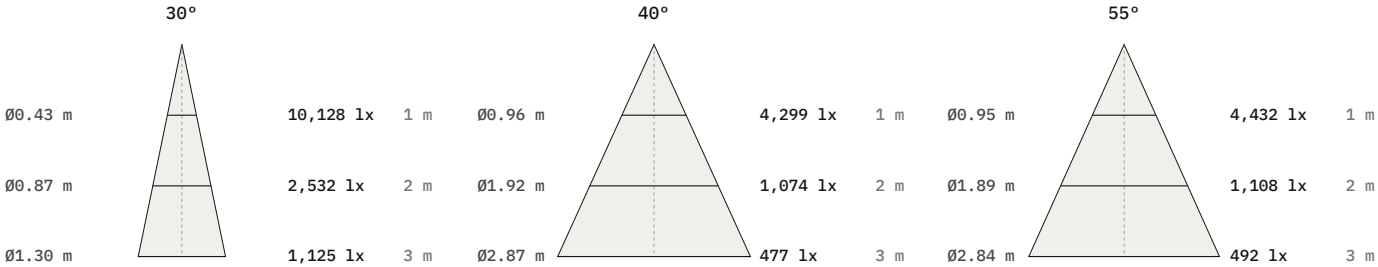
Models

Code	Power	Voltage	Flux	CRI	Size	Cut-out	Beam
R3-1002	35 W	220–240 V AC	3400–3500 lm	97 CRI	Ø170 × 146 mm	Ø160 mm	15° 30° 45° 60°

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.

35 W

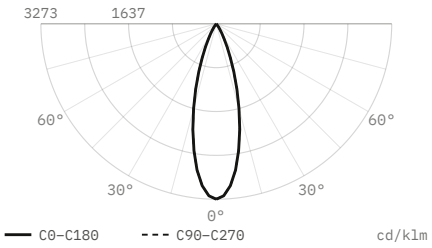


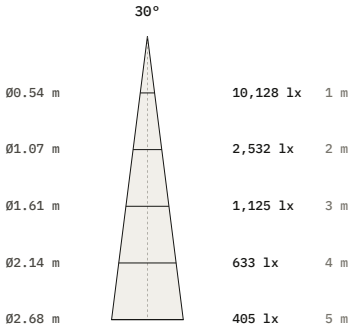
Beam	1 m	2 m	3 m
30°	10,128 lx Ø430 mm	2,532 lx Ø870 mm	1,125 lx Ø1300 mm
40°	4,299 lx Ø960 mm	1,074 lx Ø1920 mm	477 lx Ø2870 mm
55°	4,432 lx Ø950 mm	1,108 lx Ø1890 mm	492 lx Ø2840 mm

Photometry

Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for R3-1002, 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.

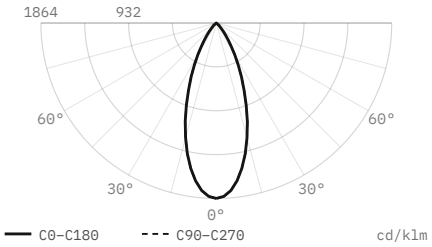
R3-1002, 35 W, 30° beam

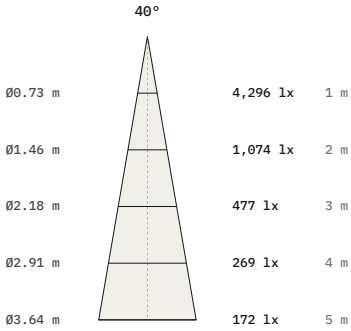




Luminous flux	3,095 lm
Efficacy	88 lm/W
Peak intensity	10,128 cd, 3,273 cd/klm
Beam angle (50%)	30°
Field angle (10%)	54.7°
Cut-off angle (2.5%)	34.5°
Flux 0–30° / 30–60° / 60–90°	94 / 6 / 0 %
Size	Ø170 × 146 mm
Data	Calculated from catalogue data

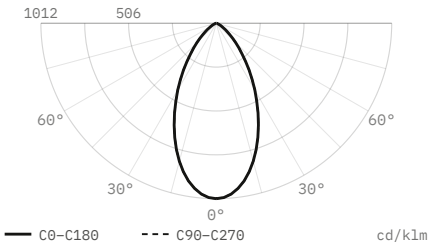
R3-1002, 35 W, 40° beam

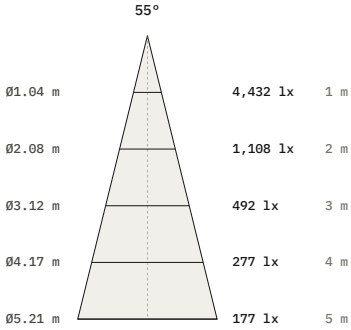




Luminous flux	2,304 lm
Efficacy	66 lm/W
Peak intensity	4,296 cd, 1,864 cd/klm
Beam angle (50%)	40°
Field angle (10%)	72.9°
Cut-off angle (2.5%)	46°
Flux 0–30° / 30–60° / 60–90°	79.9 / 19.9 / 0.2 %
Size	Ø170 × 146 mm
Data	Calculated from catalogue data

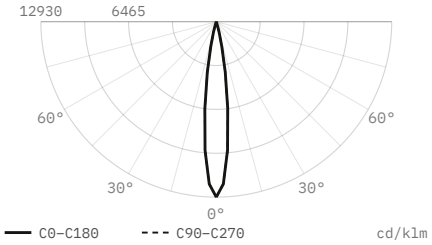
R3-1002, 35 W, 55° beam

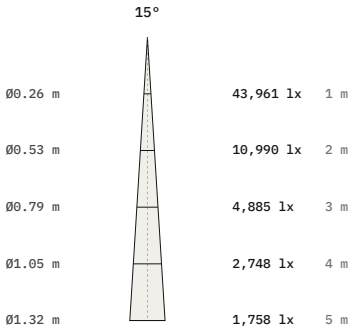




Luminous flux	4,378 lm
Efficacy	125 lm/W
Peak intensity	4,432 cd, 1,012 cd/klm
Beam angle (50%)	55°
Field angle (10%)	100.2°
Cut-off angle (2.5%)	63°
Flux 0–30° / 30–60° / 60–90°	58.2 / 38.8 / 3 %
Size	Ø170 × 146 mm
Data	Calculated from catalogue data

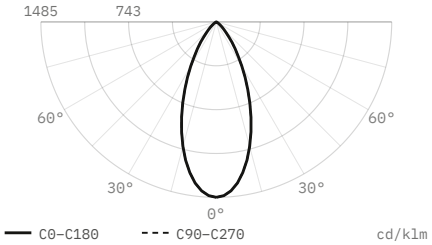
R3-1002, 35 W, 15° beam

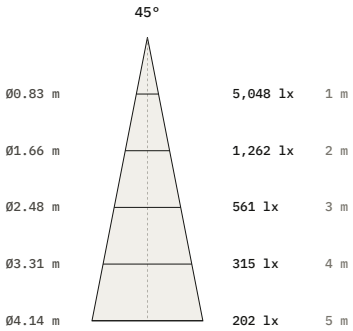




Luminous flux	3,400 lm
Efficacy	97 lm/W
Peak intensity	43,961 cd, 12,930 cd/klm
Beam angle (50%)	15°
Field angle (10%)	27.3°
Cut-off angle (2.5%)	17°
Flux 0–30° / 30–60° / 60–90°	100 / 0 / 0 %
Size	Ø170 × 146 mm
Data	Calculated from catalogue data

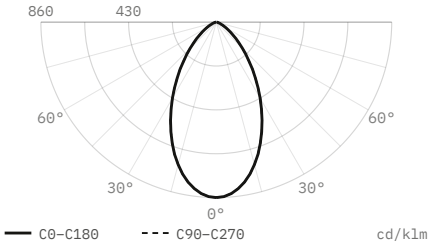
R3-1002, 35 W, 45° beam

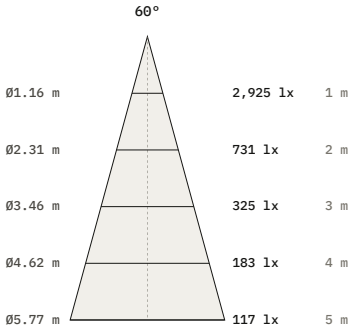




Luminous flux	3,400 lm
Efficacy	97 lm/W
Peak intensity	5,048 cd, 1,485 cd/klm
Beam angle (50%)	45°
Field angle (10%)	82°
Cut-off angle (2.5%)	51.5°
Flux 0–30° / 30–60° / 60–90°	72.2 / 27.2 / 0.6 %
Size	Ø170 × 146 mm
Data	Calculated from catalogue data

R3-1002, 35 W, 60° beam





Luminous flux	3,400 lm
Efficacy	97 lm/W
Peak intensity	2,925 cd, 860 cd/klm
Beam angle (50%)	60°
Field angle (10%)	109.4°
Cut-off angle (2.5%)	69°
Flux 0–30° / 30–60° / 60–90°	52.4 / 42.6 / 5 %
Size	Ø170 × 146 mm
Data	Calculated from catalogue data

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Technical data may change without notice.