

Recessed

R3-6455

Recessed spotlight



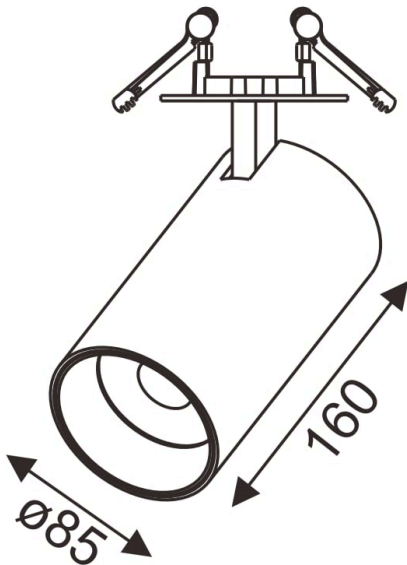
Recessed spotlight. 28 W. Four beam angles, 15° to 60°. 3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø70 mm
- LED source: Citizen

Power 28 W	Luminous flux 2700–2800 lm	Colour temperature 3000 K, 4000 K
CRI 97 CRI	Beam angles 15°, 24°, 36°, 60°	IP rating IP20
Certifications CE, RoHS, EMC, LVD	Mounting Recessed	Control DALI-2, 0-10V, Triac, Casambi

Finishes
White, Black, Grey

Dimensions



Models

Code	Power	Flux	CRI	Size	Cut-out	Beam
R3-6455	28 W	2700–2800 lm	97 CRI	Ø85 × 160 mm	Ø70 mm	15° 24° 36° 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.

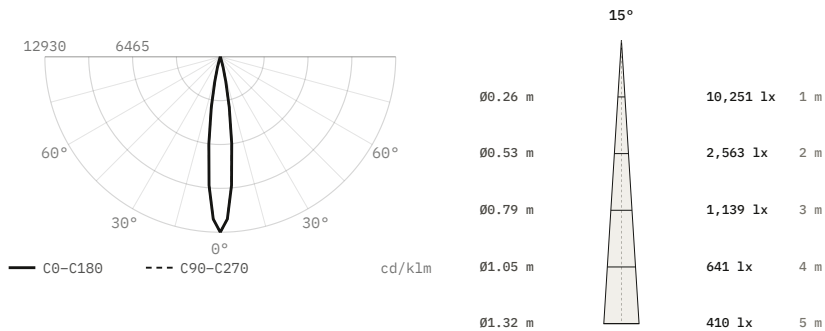
28 W

15°			30°			45°		
Ø0.35 m	10,251 lx	1 m	Ø0.57 m	5,236 lx	1 m	Ø0.84 m	3,535 lx	1 m
Ø0.70 m	2,562 lx	2 m	Ø1.14 m	1,309 lx	2 m	Ø1.68 m	883 lx	2 m
Ø1.05 m	1,139 lx	3 m	Ø1.71 m	581 lx	3 m	Ø2.52 m	392 lx	3 m
Beam	1 m		2 m			3 m		
15°	10,251 lx Ø350 mm		2,562 lx Ø700 mm			1,139 lx Ø1050 mm		
30°	5,236 lx Ø570 mm		1,309 lx Ø1140 mm			581 lx Ø1710 mm		
45°	3,535 lx Ø840 mm		883 lx Ø1680 mm			392 lx Ø2520 mm		

Photometry

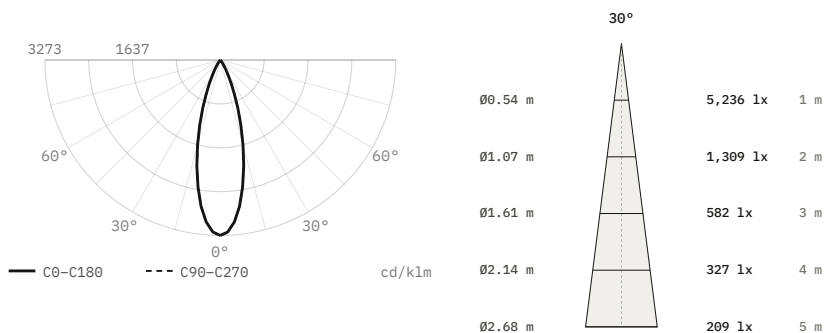
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for R3-6455, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

R3-6455, 28 W, 15° beam



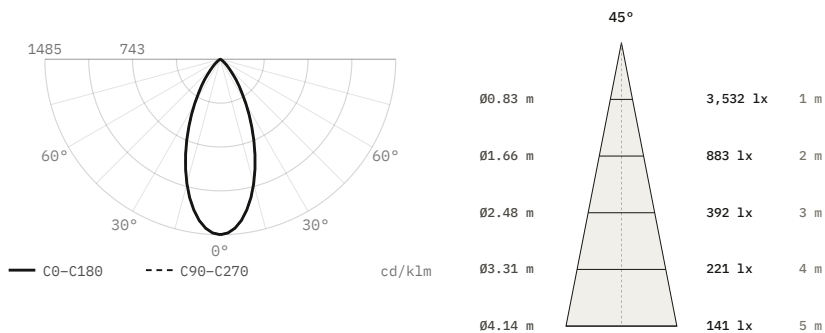
Luminous flux	793 lm
Efficacy	28 lm/W
Peak intensity	10,251 cd, 12,930 cd/klm
Beam angle (50%)	15°
Field angle (10%)	27.3°
Cut-off angle (2.5%)	17°
Flux 0–30° / 30–60° / 60–90°	100 / 0 / 0 %
Size	Ø85 × 160 mm
Data	Calculated from catalogue data

R3-6455, 28 W, 30° beam



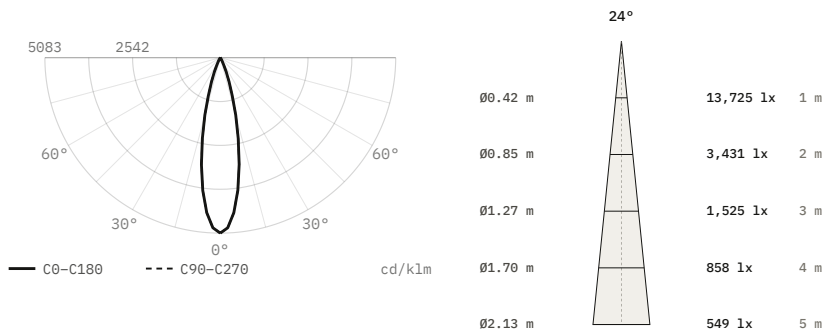
Luminous flux	1,600 lm
Efficacy	57 lm/W
Peak intensity	5,236 cd, 3,273 cd/klm
Beam angle (50%)	30°
Field angle (10%)	54.7°
Cut-off angle (2.5%)	34.5°
Flux 0–30° / 30–60° / 60–90°	94 / 6 / 0 %
Size	Ø85 × 160 mm
Data	Calculated from catalogue data

R3-6455, 28 W, 45° beam



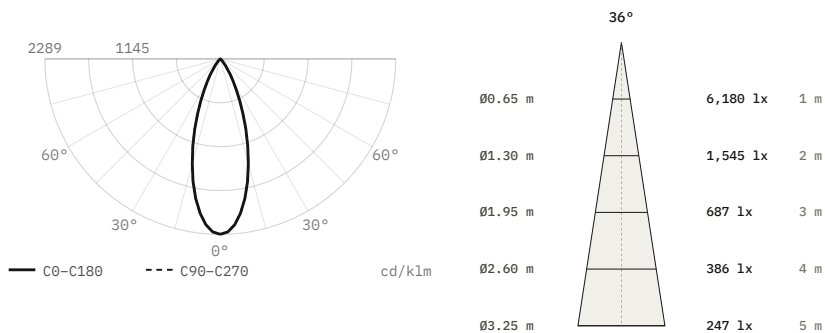
Luminous flux	2,379 lm
Efficacy	85 lm/W
Peak intensity	3,532 cd, 1,485 cd/klm
Beam angle (50%)	45°
Field angle (10%)	82°
Cut-off angle (2.5%)	51.5°
Flux 0–30° / 30–60° / 60–90°	72.2 / 27.2 / 0.6 %
Size	Ø85 × 160 mm
Data	Calculated from catalogue data

R3-6455, 28 W, 24° beam



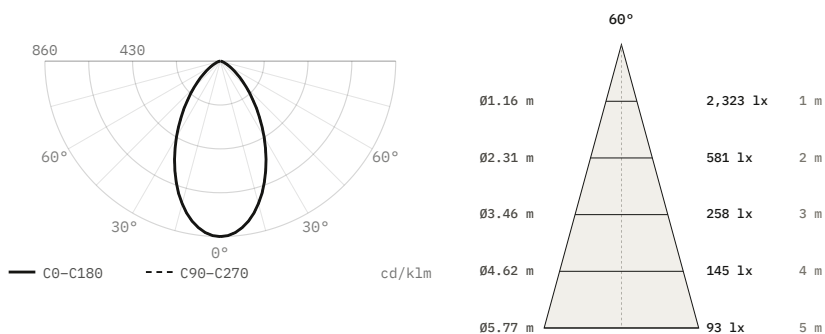
Luminous flux	2,700 lm
Efficacy	96 lm/W
Peak intensity	13,725 cd, 5,083 cd/klm
Beam angle (50%)	24°
Field angle (10%)	43.7°
Cut-off angle (2.5%)	27.5°
Flux 0–30° / 30–60° / 60–90°	98.7 / 1.3 / 0 %
Size	Ø85 × 160 mm
Data	Calculated from catalogue data

R3-6455, 28 W, 36° beam



Luminous flux	2,700 lm
Efficacy	96 lm/W
Peak intensity	6,180 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	Ø85 × 160 mm
Data	Calculated from catalogue data

R3-6455, 28 W, 60° beam



Luminous flux	2,700 lm
Efficacy	96 lm/W
Peak intensity	2,323 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	Ø85 × 160 mm
Data	Calculated from catalogue data