Downlights

Robo DL1546

Recessed spotlight

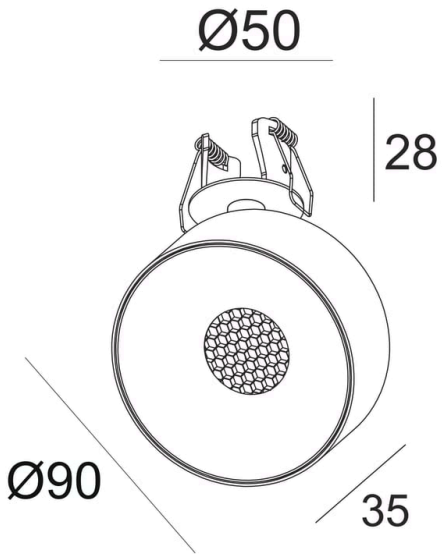


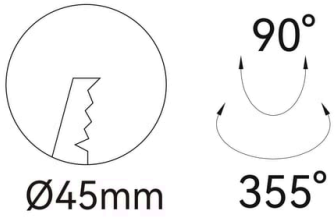
Recessed spotlight. 13 W. Four beam angles, 15° to 60°. 2700, 3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø45 mm
- LED source: Citizen

Power **13 W**	Voltage **max 37 V**	Luminous flux **1180 lm**
Colour temperature **2700 K, 3000 K, 4000 K**	CRI **97 CRI**	Beam angles **15°, 24°, 35°, 60°**
IP rating **IP20**	Certifications **CE**	Mounting **Recessed**
Finishes **Black**		

Dimensions





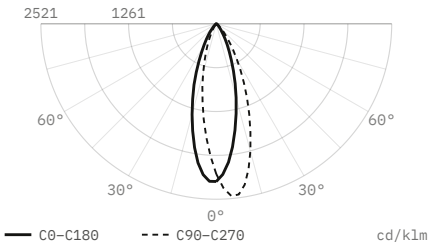
Models

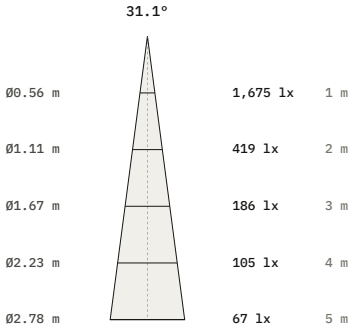
Code	Power	Voltage	Flux	CRI	Size	Cut-out	Beam	Notes
DL1546	13 W	max 37 V	1180 lm	97 CRI	Head Ø90 × 35 mm; recessed body Ø50 x H28 mm	Ø45 mm	15° 24° 35° 60°	350 mA

Photometry

Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for DL1546, 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.

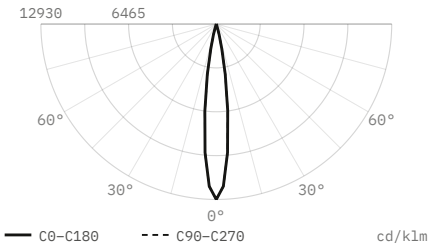
DL1546, 12 W, 3000 K, 31.1° beam, measured

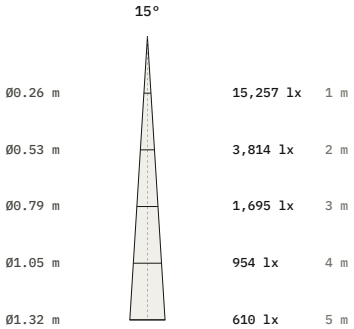




Luminous flux	739 lm
Efficacy	62 lm/W
Peak intensity	1,863 cd, 2,521 cd/klm
Beam angle (50%)	31.1°
Field angle (10%)	63.5°
Cut-off angle (2.5%)	49°
Flux 0–30° / 30–60° / 60–90°	80.4 / 18.5 / 1.1 %
Size	Ø90 × 35 mm
Data	Measured with a goniophotometer (EVERFINE GO-2000B), 22 August 2025

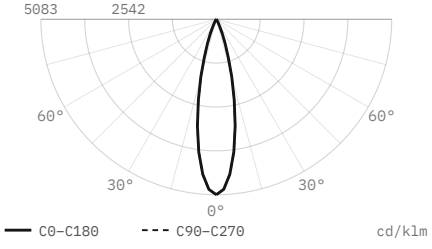
DL1546, 13 W, 15° beam

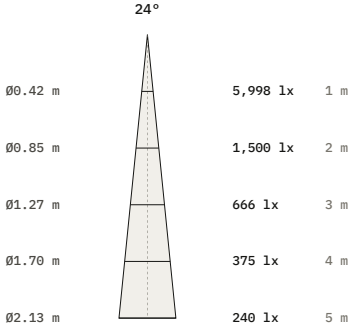




Luminous flux	1,180 lm
Efficacy	91 lm/W
Peak intensity	15,257 cd, 12,930 cd/klm
Beam angle (50%)	15°
Field angle (10%)	27.3°
Cut-off angle (2.5%)	17°
Flux 0–30° / 30–60° / 60–90°	100 / 0 / 0 %
Size	Ø90 × 35 mm
Data	Calculated from catalogue data

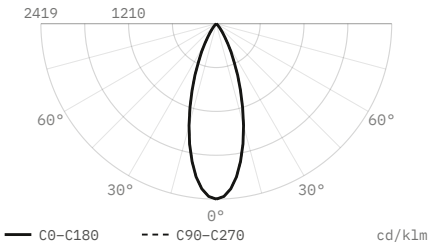
DL1546, 13 W, 24° beam

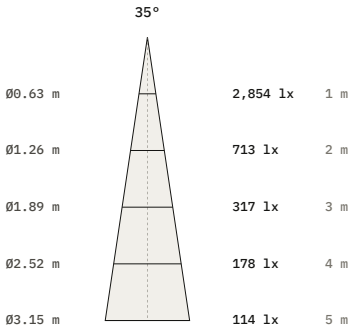




Luminous flux	1,180 lm
Efficacy	91 lm/W
Peak intensity	5,998 cd, 5,083 cd/klm
Beam angle (50%)	24°
Field angle (10%)	43.7°
Cut-off angle (2.5%)	27.5°
Flux 0–30° / 30–60° / 60–90°	98.7 / 1.3 / 0 %
Size	Ø90 × 35 mm
Data	Calculated from catalogue data

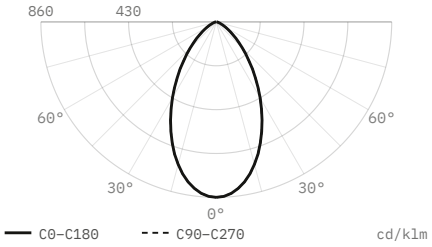
DL1546, 13 W, 35° beam

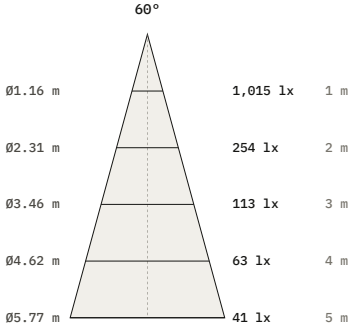




Luminous flux	1,180 lm
Efficacy	91 lm/W
Peak intensity	2,854 cd, 2,419 cd/klm
Beam angle (50%)	35°
Field angle (10%)	63.8°
Cut-off angle (2.5%)	40°
Flux 0–30° / 30–60° / 60–90°	87.6 / 12.4 / 0 %
Size	Ø90 × 35 mm
Data	Calculated from catalogue data

DL1546, 13 W, 60° beam





Luminous flux	1,180 lm
Efficacy	91 lm/W
Peak intensity	1,015 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	Ø90 × 35 mm
Data	Calculated from catalogue data

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Technical data may change without notice.