Downlights

Robo DL1096

Recessed spotlight



Recessed spotlight. 13 W. Four beam angles, 15° to 50°. 2700, 3000, 4000 K. 97 CRI.

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

Power **13 W**	Voltage **max 37 V**	Luminous flux **1200 lm**
Colour temperature **2700 K, 3000 K, 4000 K**	CRI **97 CRI**	Beam angles **15°, 24°, 36°, 50°**
IP rating **IP20**	Certifications **CE**	Mounting **Recessed**
Finishes **White**		

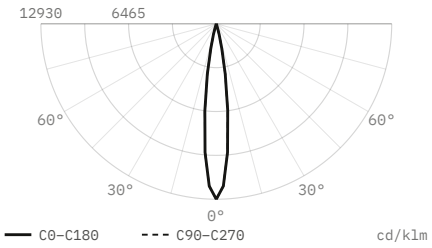
Models

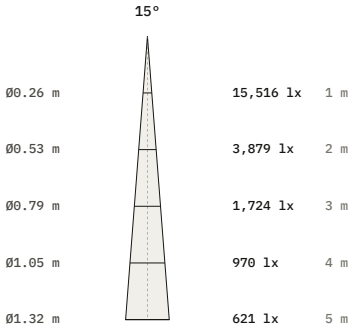
Code	Power	Voltage	Flux	CRI	Size	Cut-out	Beam	Notes
DL1096	13 W	max 37 V	1200 lm	97 CRI	H85 mm; head Ø50 mm	Ø85 mm	15° 24° 36° 50°	350 mA

Photometry

Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for DL1096, 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.

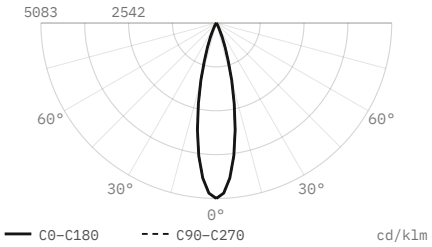
DL1096, 13 W, 15° beam

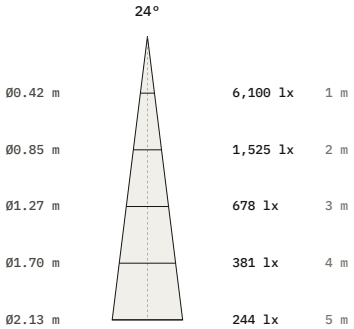




Luminous flux	1,200 lm
Efficacy	92 lm/W
Peak intensity	15,516 cd, 12,930 cd/klm
Beam angle (50%)	15°
Field angle (10%)	27.3°
Cut-off angle (2.5%)	17°
Flux 0–30° / 30–60° / 60–90°	100 / 0 / 0 %
Size	85 × 0 × 85 mm
Data	Calculated from catalogue data

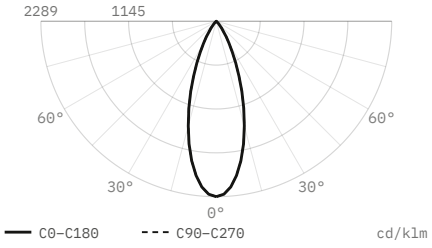
DL1096, 13 W, 24° beam

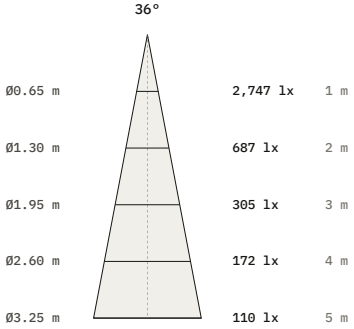




Luminous flux	1,200 lm
Efficacy	92 lm/W
Peak intensity	6,100 cd, 5,083 cd/klm
Beam angle (50%)	24°
Field angle (10%)	43.7°
Cut-off angle (2.5%)	27.5°
Flux 0–30° / 30–60° / 60–90°	98.7 / 1.3 / 0 %
Size	85 × 0 × 85 mm
Data	Calculated from catalogue data

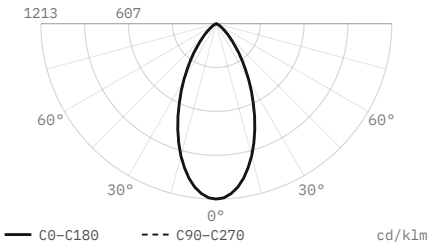
DL1096, 13 W, 36° beam

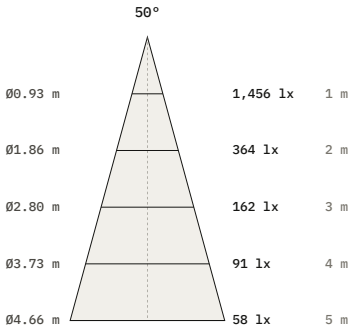




Luminous flux	1,200 lm
Efficacy	92 lm/W
Peak intensity	2,747 cd, 2,289 cd/klm
Beam angle (50%)	36°
Field angle (10%)	65.6°
Cut-off angle (2.5%)	41.5°
Flux 0–30° / 30–60° / 60–90°	86.1 / 13.9 / 0 %
Size	85 × 0 × 85 mm
Data	Calculated from catalogue data

DL1096, 13 W, 50° beam





Luminous flux	1,200 lm
Efficacy	92 lm/W
Peak intensity	1,456 cd, 1,213 cd/klm
Beam angle (50%)	50°
Field angle (10%)	91.1°
Cut-off angle (2.5%)	57.5°
Flux 0–30° / 30–60° / 60–90°	64.8 / 33.6 / 1.5 %
Size	85 × 0 × 85 mm
Data	Calculated from catalogue data

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Technical data may change without notice.