

Recessed

# R3-1009

Recessed spotlight

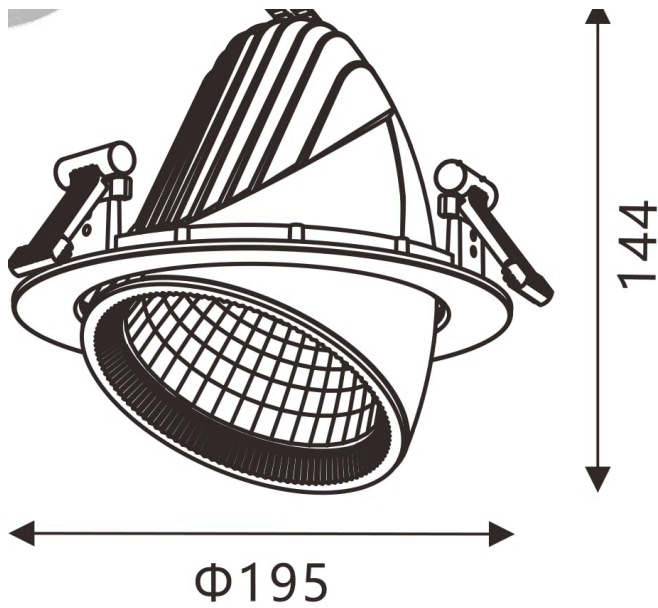


Recessed spotlight. 50 W. Five beam angles, 12° to 55°.  
3000, 4000 K. 97 CRI.

- Ceiling cut-out Ø185 mm
- LED source: Citizen

|                                      |                                        |                                        |
|--------------------------------------|----------------------------------------|----------------------------------------|
| Power<br>50 W                        | Luminous flux<br>5000–5100 lm          | Colour temperature<br>3000 K, 4000 K   |
| CRI<br>97 CRI                        | Beam angles<br>12°, 20°, 36°, 45°, 55° | IP rating<br>IP20                      |
| Certifications<br>CE, RoHS, EMC, LVD | Mounting<br>Recessed                   | Control<br>DALI, 0-10V, Triac, Casambi |
| Finishes<br>White, Black, Grey       |                                        |                                        |

Dimensions



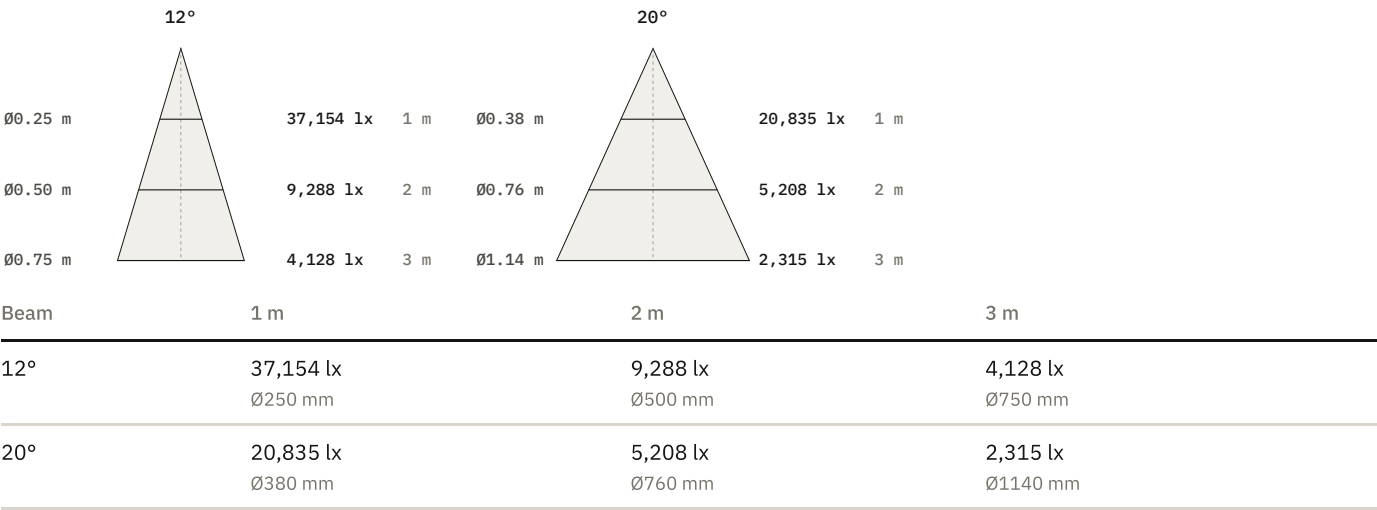
Models

| Code    | Power | Flux         | CRI    | Size          | Cut-out | Beam                |
|---------|-------|--------------|--------|---------------|---------|---------------------|
| R3-1009 | 50 W  | 5000–5100 lm | 97 CRI | Ø195 × 144 mm | Ø185 mm | 12° 20° 36° 45° 55° |

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.

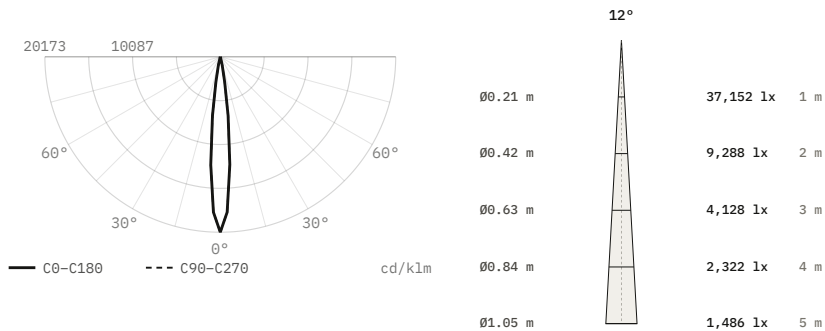
50 W



# Photometry

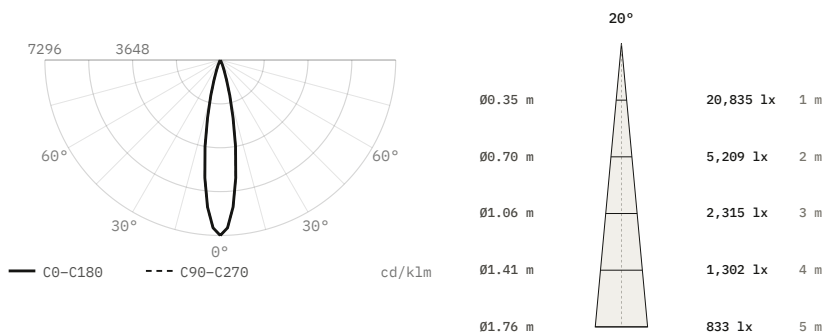
Polar curve, on-axis illuminance with beam diameter at 1–5 m, and key figures for R3-1009, from the same data as the IES and LDT files on the product page. Calculated from catalogue data, not measured with a goniophotometer. Other models with the same beam share this distribution, scaled to their luminous flux.

## R3-1009, 50 W, 12° beam



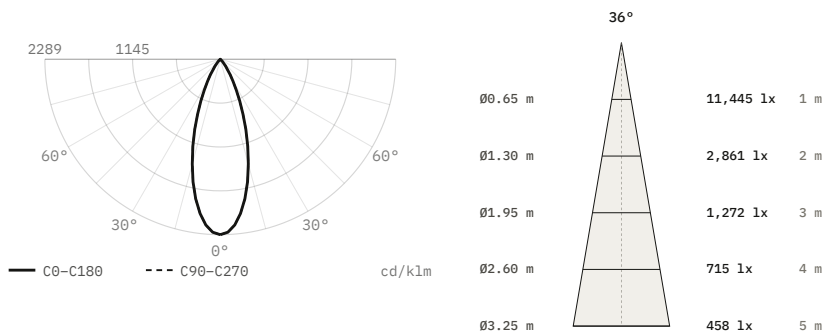
|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 1,842 lm                       |
| Efficacy                     | 37 lm/W                        |
| Peak intensity               | 37,152 cd, 20,173 cd/klm       |
| Beam angle (50%)             | 12°                            |
| Field angle (10%)            | 21.9°                          |
| Cut-off angle (2.5%)         | 13.5°                          |
| Flux 0–30° / 30–60° / 60–90° | 100 / 0 / 0 %                  |
| Size                         | Ø195 × 144 mm                  |
| Data                         | Calculated from catalogue data |

## R3-1009, 50 W, 20° beam



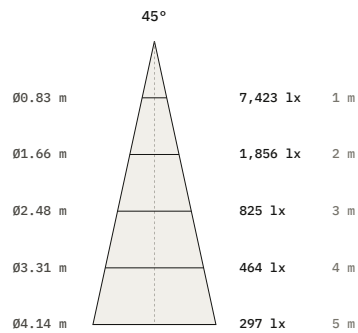
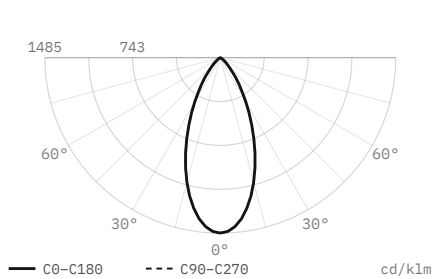
|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 2,856 lm                       |
| Efficacy                     | 57 lm/W                        |
| Peak intensity               | 20,835 cd, 7,296 cd/klm        |
| Beam angle (50%)             | 20°                            |
| Field angle (10%)            | 36.5°                          |
| Cut-off angle (2.5%)         | 23°                            |
| Flux 0–30° / 30–60° / 60–90° | 99.8 / 0.2 / 0 %               |
| Size                         | Ø195 × 144 mm                  |
| Data                         | Calculated from catalogue data |

## R3-1009, 50 W, 36° beam



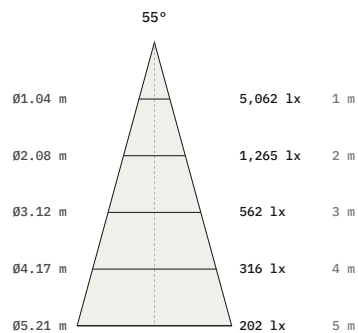
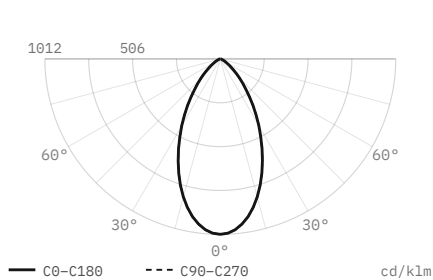
|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 5,000 lm                       |
| Efficacy                     | 100 lm/W                       |
| Peak intensity               | 11,445 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                         | Ø195 × 144 mm                  |
| Data                         | Calculated from catalogue data |

R3-1009, 50 W, 45° beam



|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 5,000 lm                       |
| Efficacy                     | 100 lm/W                       |
| Peak intensity               | 7,423 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                         | Ø195 × 144 mm                  |
| Data                         | Calculated from catalogue data |

R3-1009, 50 W, 55° beam



|                              |                                |
|------------------------------|--------------------------------|
| Luminous flux                | 5,000 lm                       |
| Efficacy                     | 100 lm/W                       |
| Peak intensity               | 5,062 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                         | Ø195 × 144 mm                  |
| Data                         | Calculated from catalogue data |

DiaNoche  
service@dianoche.it  
dianoche.it

Technical data may change without notice.