

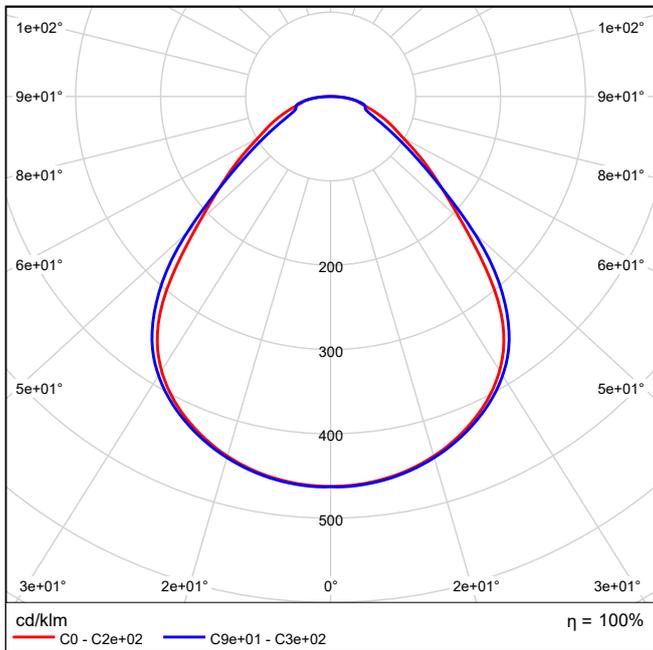
DIALux 50W-4000K

See our luminaire catalog for an image of the luminaire.

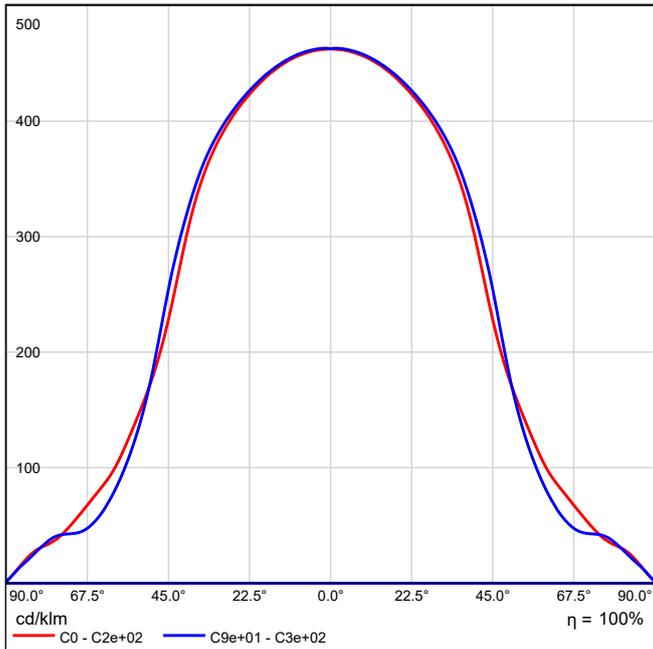
Light output ratio: 99.97%
Lamp luminous flux: 6541 lm
Luminaire luminous flux: 6539 lm
Power: 50.2 W
Luminous efficacy: 130.3 lm/W

Colourimetric data
1x: CCT 3000 K, CRI 100

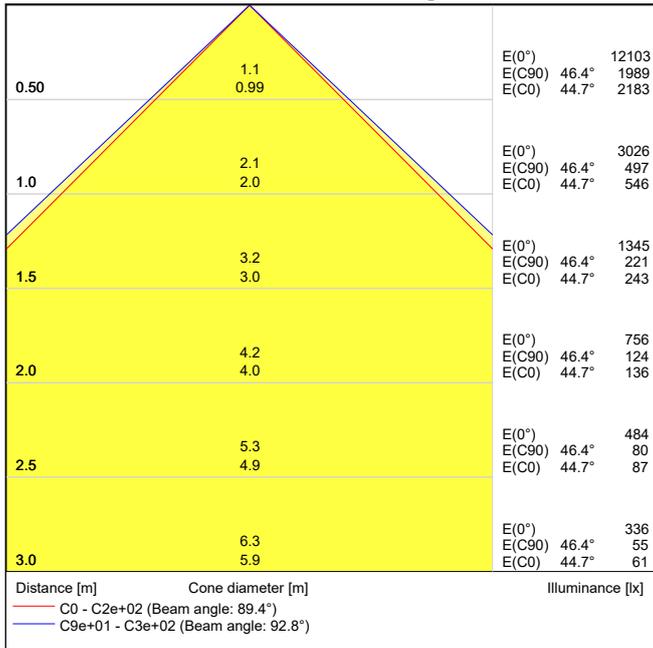
Luminous emittance 1 / Polar LDC



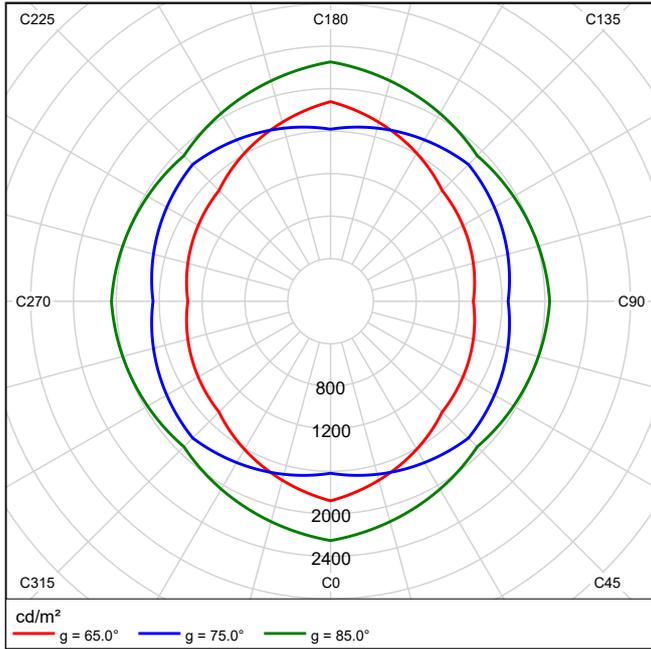
Luminous emittance 1 / Linear LDC



Luminous emittance 1 / Cone diagram



Luminous emittance 1 / Luminance diagram



Luminous emittance 1 / UGR diagram

| Glare evaluation according to UGR | | | | | | | | | | | | |
|--|-----|--|------|------|------|------|---|------|------|------|------|------|
| ρ Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 | 30 |
| ρ Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 | 30 |
| ρ Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room size X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | | |
| 2H | 2H | 14.8 | 15.9 | 15.1 | 16.1 | 16.4 | 14.5 | 15.7 | 14.8 | 15.9 | 16.1 | 16.1 |
| | 3H | 15.8 | 16.8 | 16.1 | 17.1 | 17.4 | 15.2 | 16.2 | 15.5 | 16.5 | 16.7 | 16.7 |
| | 4H | 16.3 | 17.3 | 16.6 | 17.5 | 17.8 | 15.8 | 16.7 | 16.1 | 17.0 | 17.3 | 17.3 |
| | 6H | 16.8 | 17.7 | 17.2 | 18.0 | 18.3 | 16.4 | 17.3 | 16.8 | 17.6 | 17.9 | 17.9 |
| | 8H | 17.1 | 17.9 | 17.4 | 18.3 | 18.6 | 16.7 | 17.6 | 17.1 | 17.9 | 18.2 | 18.2 |
| | 12H | 17.3 | 18.2 | 17.7 | 18.5 | 18.8 | 16.9 | 17.8 | 17.3 | 18.1 | 18.4 | 18.4 |
| 4H | 2H | 15.1 | 16.0 | 15.4 | 16.3 | 16.6 | 14.8 | 15.8 | 15.1 | 16.0 | 16.3 | 16.3 |
| | 3H | 16.3 | 17.2 | 16.7 | 17.5 | 17.8 | 15.8 | 16.6 | 16.2 | 16.9 | 17.3 | 17.3 |
| | 4H | 17.0 | 17.8 | 17.4 | 18.1 | 18.5 | 16.6 | 17.3 | 17.0 | 17.7 | 18.0 | 18.0 |
| | 6H | 17.7 | 18.4 | 18.2 | 18.7 | 19.1 | 17.5 | 18.1 | 17.9 | 18.5 | 18.9 | 18.9 |
| | 8H | 18.1 | 18.7 | 18.5 | 19.1 | 19.5 | 17.8 | 18.4 | 18.3 | 18.8 | 19.2 | 19.2 |
| | 12H | 18.5 | 19.0 | 18.9 | 19.4 | 19.8 | 18.1 | 18.7 | 18.6 | 19.1 | 19.5 | 19.5 |
| 8H | 4H | 17.4 | 17.9 | 17.8 | 18.3 | 18.7 | 17.0 | 17.6 | 17.4 | 17.9 | 18.4 | 18.4 |
| | 6H | 18.3 | 18.7 | 18.7 | 19.2 | 19.6 | 18.0 | 18.5 | 18.5 | 18.9 | 19.4 | 19.4 |
| | 8H | 18.7 | 19.2 | 19.2 | 19.6 | 20.1 | 18.5 | 18.9 | 19.0 | 19.4 | 19.8 | 19.8 |
| | 12H | 19.2 | 19.6 | 19.7 | 20.0 | 20.5 | 18.9 | 19.3 | 19.4 | 19.8 | 20.3 | 20.3 |
| 12H | 4H | 17.4 | 17.9 | 17.8 | 18.3 | 18.8 | 17.0 | 17.5 | 17.5 | 18.0 | 18.4 | 18.4 |
| | 6H | 18.4 | 18.8 | 18.8 | 19.2 | 19.7 | 18.1 | 18.6 | 18.6 | 19.0 | 19.5 | 19.5 |
| | 8H | 18.9 | 19.3 | 19.4 | 19.7 | 20.2 | 18.7 | 19.0 | 19.2 | 19.5 | 20.0 | 20.0 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | | |
| S = 1.0H | | +0.2 / -0.3 | | | | | +0.3 / -0.3 | | | | | |
| S = 1.5H | | +0.4 / -0.6 | | | | | +0.6 / -0.7 | | | | | |
| S = 2.0H | | +1.0 / -0.8 | | | | | +1.3 / -1.1 | | | | | |
| Standard table | | BK06 | | | | | BK06 | | | | | |
| Correction summand | | 1.6 | | | | | 1.2 | | | | | |
| Corrected glare indices referring to 6541lm Total luminous flux | | | | | | | | | | | | |

The UGR values are calculated in acc. with CIE Publ. 117. Spacing-to-Height-Ratio = 0.25