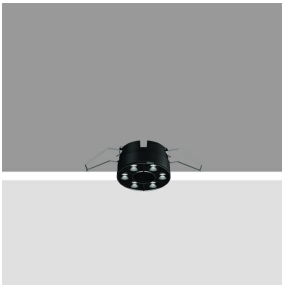


Blade R downlight

Last information update: November 2024

Product configuration: R219
R219: Minimal Ø 80 - Flood beam - LED



Product code
R219: Minimal Ø 80 - Flood beam - LED

Technical description
Ring luminaire with 6 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Minimal (frameless) version for flush with ceiling installation. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - Ø 80 installation hole.

| | |
|---|--------------------|
| Colour | Weight (Kg) |
| White (01) Black (04) Gold (14)* Burnished chrome (E6)* | 0.18 |

* Colours on request

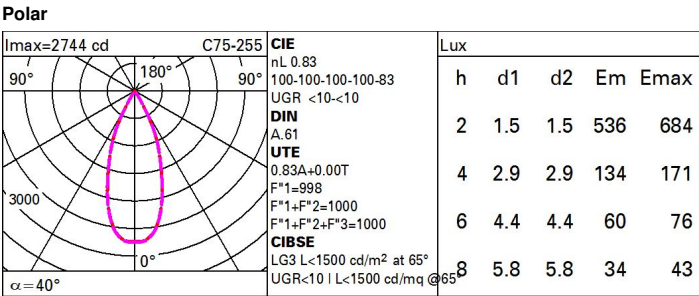
Mounting
ceiling recessed

Wiring
On the power supply unit with terminal board included. Available in on/off electronic versions.

Complies with EN60598-1 and pertinent regulations



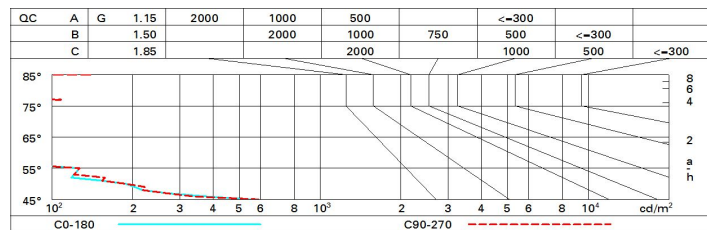
| Technical data | | | |
|--|-------|---------------------------------------|---------------------------------|
| Im system: | 1204 | CRI (minimum): | 80 |
| W system: | 12 | Colour temperature [K]: | 4000 |
| Im source: | 1450 | MacAdam Step: | 2 |
| W source: | 12 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value): | 100.3 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 83 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 40° | Control: | On/off |



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 75 | 71 | 68 | 66 | 70 | 68 | 68 | 65 | 78 |
| 1.0 | 78 | 75 | 72 | 70 | 74 | 72 | 71 | 69 | 83 |
| 1.5 | 82 | 80 | 77 | 76 | 79 | 77 | 76 | 74 | 89 |
| 2.0 | 85 | 83 | 81 | 80 | 82 | 80 | 79 | 77 | 93 |
| 2.5 | 86 | 85 | 84 | 83 | 84 | 83 | 82 | 79 | 96 |
| 3.0 | 87 | 86 | 85 | 85 | 85 | 84 | 83 | 81 | 98 |
| 4.0 | 88 | 87 | 87 | 86 | 86 | 86 | 84 | 82 | 99 |
| 5.0 | 89 | 88 | 88 | 88 | 87 | 86 | 85 | 83 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 1450 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 4.3 | 4.8 | 4.5 | 5.1 | 5.3 | 4.4 | 5.0 | 4.7 | 5.2 | 5.4 |
| | 3H | 4.1 | 4.6 | 4.4 | 4.9 | 5.2 | 4.3 | 4.8 | 4.6 | 5.0 | 5.3 |
| | 4H | 4.1 | 4.5 | 4.4 | 4.8 | 5.1 | 4.2 | 4.7 | 4.5 | 5.0 | 5.3 |
| | 6H | 4.0 | 4.4 | 4.3 | 4.7 | 5.1 | 4.1 | 4.5 | 4.5 | 4.9 | 5.2 |
| | 8H | 3.9 | 4.4 | 4.3 | 4.7 | 5.0 | 4.1 | 4.5 | 4.4 | 4.8 | 5.2 |
| | 12H | 3.9 | 4.3 | 4.3 | 4.6 | 5.0 | 4.0 | 4.4 | 4.4 | 4.8 | 5.1 |
| 4H | 2H | 4.1 | 4.5 | 4.4 | 4.8 | 5.1 | 4.2 | 4.7 | 4.5 | 5.0 | 5.3 |
| | 3H | 3.9 | 4.3 | 4.3 | 4.6 | 5.0 | 4.0 | 4.4 | 4.4 | 4.8 | 5.1 |
| | 4H | 3.8 | 4.2 | 4.2 | 4.5 | 4.9 | 3.9 | 4.3 | 4.3 | 4.7 | 5.1 |
| | 6H | 3.7 | 4.0 | 4.2 | 4.4 | 4.9 | 3.9 | 4.2 | 4.3 | 4.6 | 5.0 |
| | 8H | 3.7 | 4.0 | 4.1 | 4.4 | 4.8 | 3.8 | 4.1 | 4.3 | 4.5 | 5.0 |
| | 12H | 3.6 | 3.9 | 4.1 | 4.3 | 4.8 | 3.8 | 4.0 | 4.2 | 4.5 | 4.9 |
| 8H | 4H | 3.7 | 4.0 | 4.1 | 4.4 | 4.8 | 3.8 | 4.1 | 4.3 | 4.5 | 5.0 |
| | 6H | 3.6 | 3.8 | 4.1 | 4.3 | 4.7 | 3.7 | 4.0 | 4.2 | 4.4 | 4.9 |
| | 8H | 3.5 | 3.7 | 4.0 | 4.2 | 4.7 | 3.7 | 3.9 | 4.2 | 4.3 | 4.8 |
| | 12H | 3.5 | 3.7 | 4.0 | 4.1 | 4.7 | 3.6 | 3.8 | 4.1 | 4.3 | 4.8 |
| 12H | 4H | 3.6 | 3.9 | 4.1 | 4.3 | 4.8 | 3.8 | 4.0 | 4.2 | 4.5 | 4.9 |
| | 6H | 3.5 | 3.7 | 4.0 | 4.2 | 4.7 | 3.7 | 3.9 | 4.2 | 4.3 | 4.8 |
| | 8H | 3.5 | 3.7 | 4.0 | 4.1 | 4.7 | 3.6 | 3.8 | 4.1 | 4.3 | 4.8 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.8 / -19.2 | | | | | 6.9 / -18.9 | | | | |
| | 1.5H | 9.6 / -20.8 | | | | | 9.7 / -20.2 | | | | |
| | 2.0H | 11.6 / -21.0 | | | | | 11.7 / -20.4 | | | | |