

Last information update: April 2025

**Product configuration: RB37.43**

RB37.43: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Flood optic - 13W 931.5lm - 3500K - CRI 90 - Black / Black

**Product code**

RB37.43: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Flood optic - 13W 931.5lm - 3500K - CRI 90 - Black / Black

**Technical description**

rectangular miniaturised recessed luminaire with 5 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with DALI dimmable electronic control gear connected to the luminaire. Warm white LED

**Installation**

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141

**Colour**

Black / Black (43)

**Weight (Kg)**

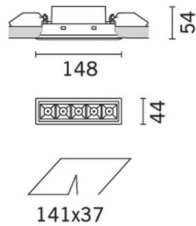
0.29

**Mounting**

wall recessed|ceiling recessed

**Wiring**

on control gear box; screw connections with terminal block included



Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of  
the product once installed**Technical data**

|  |      |                                       |                                 |
|--|------|---------------------------------------|---------------------------------|
| lm system:   | 932  | CRI (typical):                        | 92                              |
| W system:  | 13   | Colour temperature [K]:               | 3500                            |
| lm source:   | 1150 | MacAdam Step:                         | 3                               |
| W source:  | 9.9  | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value):            | 71.7 | Lamp code:                            | LED                             |
| lm 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.) [%]:                   | 81   | Number of optical assemblies:         | 1                               |
| Beam angle [°]:                                    | 32°  | Control:                              | DALI-2                          |
| CRI (minimum):                                     | 90   |                                       |                                 |

**Polar**

| Imax=3129 cd |  | CIE                        |  | Lux |     |     |      |
|--------------|--|----------------------------|--|-----|-----|-----|------|
|              |  |                            |  | h   | d   | Em  | Emax |
| 90°          |  | nL 0.81                    |  | 2   | 1.1 | 594 | 782  |
|              |  | 100-100-100-100-81         |  | 4   | 2.3 | 149 | 196  |
|              |  | UGR <10-<10                |  | 6   | 3.4 | 66  | 87   |
|              |  | DIN A.61                   |  | 8   | 4.5 | 37  | 49   |
|              |  | UTE                        |  |     |     |     |      |
|              |  | 0.81A+0.00T                |  |     |     |     |      |
|              |  | F*1=1000                   |  |     |     |     |      |
|              |  | F*1+F*2=1000               |  |     |     |     |      |
|              |  | F*1+F*2+F*3=1000           |  |     |     |     |      |
|              |  | CIBSE                      |  |     |     |     |      |
|              |  | LG3 L<1500 cd/m² at 65°    |  |     |     |     |      |
|              |  | UGR<10   L<1500 cd/mq @65° |  |     |     |     |      |
| α=31°        |  |                            |  |     |     |     |      |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 73 | 70 | 67 | 65 | 69 | 66 | 66 | 64 | 78  |
| 1.0  | 76 | 73 | 71 | 69 | 72 | 70 | 70 | 67 | 83  |
| 1.5  | 80 | 78 | 76 | 74 | 77 | 75 | 74 | 72 | 89  |
| 2.0  | 83 | 81 | 79 | 78 | 80 | 78 | 78 | 75 | 93  |
| 2.5  | 84 | 83 | 82 | 81 | 82 | 81 | 80 | 78 | 96  |
| 3.0  | 85 | 84 | 83 | 83 | 83 | 82 | 81 | 79 | 98  |
| 4.0  | 86 | 85 | 85 | 84 | 84 | 84 | 82 | 81 | 99  |
| 5.0  | 87 | 86 | 86 | 86 | 85 | 84 | 83 | 81 | 100 |

# UGR diagram

| Corrected UGR values (at 1150 lm bare lamp luminous flux) |      |              |      |      |      |      |              |      |      |      |      |
|---|------|--------------|------|------|------|------|--------------|------|------|------|------|
| Reflect.:   |      |              |      |      |      |      |              |      |      |      |      |
| ceil/cav  |      | 0.70         | 0.70 | 0.50 | 0.50 | 0.30 | 0.70         | 0.70 | 0.50 | 0.50 | 0.30 |
| walls   |      | 0.50         | 0.30 | 0.50 | 0.30 | 0.30 | 0.50         | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl.  |      | 0.20         | 0.20 | 0.20 | 0.20 | 0.20 | 0.20         | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim  |      | viewed       |      |      |      |      | viewed       |      |      |      |      |
| x   | y    | crosswise    |      |      |      |      | endwise      |      |      |      |      |
| 2H  | 2H   | -7.7         | -7.1 | -7.4 | -6.9 | -6.7 | -7.7         | -7.1 | -7.4 | -6.9 | -6.7 |
|   | 3H   | -7.8         | -7.3 | -7.5 | -7.1 | -6.8 | -7.8         | -7.3 | -7.5 | -7.1 | -6.8 |
|   | 4H   | -7.9         | -7.4 | -7.5 | -7.1 | -6.8 | -7.9         | -7.4 | -7.5 | -7.1 | -6.8 |
|   | 6H   | -7.9         | -7.5 | -7.6 | -7.2 | -6.9 | -7.9         | -7.5 | -7.6 | -7.2 | -6.9 |
|   | 8H   | -8.0         | -7.6 | -7.6 | -7.2 | -6.9 | -8.0         | -7.6 | -7.6 | -7.3 | -6.9 |
|   | 12H  | -8.0         | -7.6 | -7.6 | -7.3 | -6.9 | -8.0         | -7.6 | -7.6 | -7.3 | -7.0 |
| 4H  | 2H   | -7.9         | -7.4 | -7.5 | -7.1 | -6.8 | -7.9         | -7.4 | -7.5 | -7.1 | -6.8 |
|   | 3H   | -8.0         | -7.6 | -7.6 | -7.3 | -6.9 | -8.0         | -7.6 | -7.6 | -7.3 | -6.9 |
|   | 4H   | -8.1         | -7.8 | -7.7 | -7.4 | -7.0 | -8.1         | -7.8 | -7.7 | -7.4 | -7.0 |
|   | 6H   | -8.2         | -7.9 | -7.7 | -7.5 | -7.1 | -8.2         | -7.9 | -7.8 | -7.5 | -7.1 |
|   | 8H   | -8.2         | -7.9 | -7.8 | -7.5 | -7.1 | -8.2         | -8.0 | -7.8 | -7.5 | -7.1 |
|   | 12H  | -8.2         | -8.0 | -7.8 | -7.6 | -7.1 | -8.3         | -8.0 | -7.8 | -7.6 | -7.1 |
| 8H  | 4H   | -8.2         | -8.0 | -7.8 | -7.5 | -7.1 | -8.2         | -7.9 | -7.8 | -7.5 | -7.1 |
|   | 6H   | -8.3         | -8.1 | -7.8 | -7.6 | -7.2 | -8.3         | -8.1 | -7.8 | -7.6 | -7.2 |
|   | 8H   | -8.3         | -8.2 | -7.9 | -7.7 | -7.2 | -8.3         | -8.2 | -7.9 | -7.7 | -7.2 |
|   | 12H  | -8.4         | -8.2 | -7.9 | -7.7 | -7.2 | -8.4         | -8.2 | -7.9 | -7.7 | -7.2 |
| 12H   | 4H   | -8.3         | -8.0 | -7.8 | -7.6 | -7.1 | -8.2         | -8.0 | -7.8 | -7.6 | -7.1 |
|   | 6H   | -8.4         | -8.2 | -7.9 | -7.7 | -7.2 | -8.3         | -8.1 | -7.8 | -7.7 | -7.2 |
|   | 8H   | -8.4         | -8.2 | -7.9 | -7.7 | -7.2 | -8.4         | -8.2 | -7.9 | -7.7 | -7.2 |
| Variations with the observer position at spacing:         |      |              |      |      |      |      |              |      |      |      |      |
| S =   | 1.0H | 6.7 / -11.6  |      |      |      |      | 6.7 / -11.6  |      |      |      |      |
|   | 1.5H | 9.6 / -12.2  |      |      |      |      | 9.6 / -12.2  |      |      |      |      |
|   | 2.0H | 11.5 / -12.6 |      |      |      |      | 11.5 / -12.6 |      |      |      |      |