

**Product configuration: EJ53.01**

EJ53.01: 10 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Flood optic - White



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rectangular miniaturised recessed luminaire with 10 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 high colour rendering LED

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274

**Colour**  
White (01)

**Weight (Kg)**  
0.65

mounting  
wall recessed ceiling recessed

### on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations



|  |      |                                       |                                 |
|--|------|---------------------------------------|---------------------------------|
| lm system:   | 1701 | CRI (typical):                        | 92                              |
| W system:  | 23.2 | Colour temperature [K]:               | 2700                            |
| lm source:   | 2100 | MacAdam Step:                         | 3                               |
| W source:  | 20   | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value):            | 73.3 | 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   |                                       |                                 |

|   |  |            |           |             |  |
|---|--|------------|-----------|-------------|--|
|   | <b>Imax=5714 cd</b><br><b>CIE</b><br>nL 0.81<br>100-100-100-100-81<br>UGR <10<10<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.81A+0.00T<br>F*1=1000<br>F*1+F*2=1000<br>F*1+F*2+F*3=1000<br><b>CIBSE</b><br>LG3 L<1500 cd/m² at 65°<br>UGR<10   L<1500 cd/mq @65° | <b>Lux</b> |           |             |  |
|   | <b>h</b>   | <b>d</b>   | <b>Em</b> | <b>Emax</b> |  |
|   | 2  | 1.1        | 1086      | 1428        |  |
|   | 4  | 2.3        | 271       | 357         |  |
|   | 6  | 3.4        | 121       | 159         |  |
| 8 | 4.6  | 68         | 89        |             |  |

# 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 2100 lm bare lamp luminous flux) |     |                  |              |      |      |      |                |      |      |      |      |
|---|-----|------------------|--------------|------|------|------|----------------|------|------|------|------|
| Reflect.:   |     | viewed crosswise |              |      |      |      | viewed endwise |      |      |      |      |
| ceiling/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  |     |                  |              |      |      |      |                |      |      |      |      |
| x   | y   |                  |              |      |      |      |                |      |      |      |      |
| 2H  | 2H  | -8.0             | -7.5         | -7.7 | -7.3 | -7.0 | -8.0           | -7.5 | -7.7 | -7.3 | -7.0 |
|   | 3H  | -8.1             | -7.7         | -7.8 | -7.4 | -7.1 | -8.1           | -7.7 | -7.8 | -7.4 | -7.1 |
|   | 4H  | -8.2             | -7.8         | -7.9 | -7.5 | -7.2 | -8.2           | -7.8 | -7.9 | -7.5 | -7.2 |
|   | 6H  | -8.3             | -7.9         | -7.9 | -7.6 | -7.2 | -8.3           | -7.9 | -7.9 | -7.6 | -7.3 |
|   | 8H  | -8.3             | -7.9         | -8.0 | -7.6 | -7.3 | -8.3           | -7.9 | -8.0 | -7.6 | -7.3 |
|   | 12H | -8.3             | -8.0         | -8.0 | -7.6 | -7.3 | -8.4           | -8.0 | -8.0 | -7.7 | -7.3 |
| 4H  | 2H  | -8.2             | -7.8         | -7.9 | -7.5 | -7.2 | -8.2           | -7.8 | -7.9 | -7.5 | -7.2 |
|   | 3H  | -8.4             | -8.0         | -8.0 | -7.7 | -7.3 | -8.4           | -8.0 | -8.0 | -7.7 | -7.3 |
|   | 4H  | -8.4             | -8.1         | -8.1 | -7.8 | -7.4 | -8.4           | -8.1 | -8.1 | -7.8 | -7.4 |
|   | 6H  | -8.5             | -8.2         | -8.1 | -7.8 | -7.4 | -8.5           | -8.2 | -8.1 | -7.9 | -7.4 |
|   | 8H  | -8.6             | -8.3         | -8.1 | -7.9 | -7.4 | -8.6           | -8.3 | -8.1 | -7.9 | -7.5 |
|   | 12H | -8.6             | -8.4         | -8.1 | -7.9 | -7.5 | -8.6           | -8.4 | -8.2 | -8.0 | -7.5 |
| 8H  | 4H  | -8.6             | -8.3         | -8.1 | -7.9 | -7.5 | -8.6           | -8.3 | -8.1 | -7.9 | -7.4 |
|   | 6H  | -8.7             | -8.4         | -8.2 | -8.0 | -7.5 | -8.6           | -8.4 | -8.2 | -8.0 | -7.5 |
|   | 8H  | -8.7             | -8.5         | -8.2 | -8.0 | -7.5 | -8.7           | -8.5 | -8.2 | -8.0 | -7.5 |
|   | 12H | -8.7             | -8.6         | -8.2 | -8.1 | -7.5 | -8.7           | -8.6 | -8.2 | -8.1 | -7.6 |
| 12H   | 4H  | -8.6             | -8.4         | -8.2 | -8.0 | -7.5 | -8.6           | -8.4 | -8.1 | -7.9 | -7.5 |
|   | 6H  | -8.7             | -8.5         | -8.2 | -8.1 | -7.6 | -8.7           | -8.5 | -8.2 | -8.0 | -7.5 |
|   | 8H  | -8.7             | -8.6         | -8.2 | -8.1 | -7.6 | -8.7           | -8.6 | -8.2 | -8.1 | -7.5 |
| 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   |      |      |      |      |