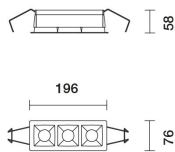
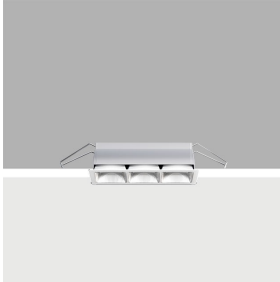


Last information update: May 2025

**Product configuration: RD13.D8**

RD13.D8: 3-cell recessed luminaire - UGR&lt;19 - White / transparent

**Product code**

RD13.D8: 3-cell recessed luminaire - UGR&lt;19 - White / transparent

**Technical description**

Recessed luminaire consisting of a lamp device and a 3-cell emission raster - model with operating components to be ordered separately. Version for UGR < 19 controlled luminance lighting - in compliance with the standard for use in environments with video monitors. Main body made of extruded aluminium - anodised finish - cast zamak end caps - natural finish. Polycarbonate LED lamp support. Steel wire fixing springs. The optical system consists of a translucent textured methacrylate raster, created with a catadioptric system (patented Opti Beam Diamond optic) - with no galvanic treatments - combined with a gloss finish PET cover. The raster includes multiple lens diaphragms for LED lamps. The result generates an extremely elegant and professional light emission combined with a high level of operating efficiency. The accessory wiring components also include the use of several recessed luminaires with a single power supply unit.

**Installation**

recessed with steel wire contrast springs; slot to make in false ceiling: 63 x 183

**Colour**

White Transparent (D8)

**Weight (Kg)**

0.4

**Mounting**

ceiling recessed

**Wiring**

Drivers and wiring components are available with a separate item code. This system allows several recessed luminaires to be used (2 / 3 max) with a single power supply unit. The product can also be connected to centralised emergency systems in compliance with the EN60598-2-22 standard. For more detailed information, see the instruction sheet.

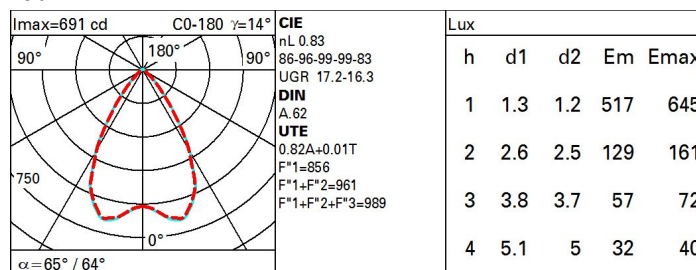
**Notes**

Possibility of multiple uses through the use of splitters (mandatory) and connection extensions to be ordered separately. TPA version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

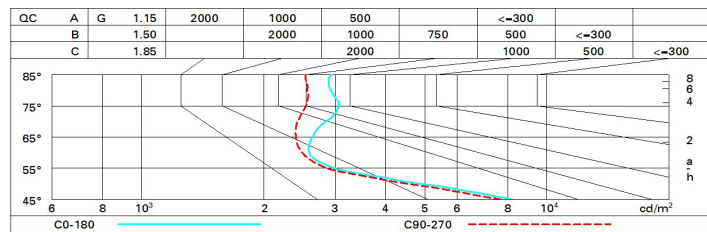
|  |     |                                       |                                 |
|--|-----|---------------------------------------|---------------------------------|
| Im system:   | 813 | CRI (minimum):                        | 80                              |
| W system:  | 4.7 | Colour temperature [K]:               | 3500                            |
| Im source:   | 980 | MacAdam Step:                         | 3                               |
| W source:  | 4.7 | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, 173.1 real value):      |     | 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]: | 11  | ZVEI Code:                            | LED                             |
| Light Output Ratio (L.O.R.) [%]:                   | 83  | Number of optical assemblies:         | 1                               |

**Polar**

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 69 | 64 | 60 | 57 | 63 | 59 | 59 | 55 | 68  |
| 1.0  | 73 | 68 | 65 | 62 | 67 | 64 | 64 | 60 | 73  |
| 1.5  | 78 | 75 | 72 | 69 | 73 | 71 | 70 | 66 | 81  |
| 2.0  | 81 | 79 | 76 | 74 | 77 | 75 | 74 | 71 | 87  |
| 2.5  | 83 | 81 | 79 | 78 | 80 | 78 | 77 | 74 | 90  |
| 3.0  | 85 | 83 | 81 | 80 | 81 | 80 | 79 | 76 | 93  |
| 4.0  | 86 | 85 | 84 | 82 | 83 | 82 | 81 | 78 | 95  |
| 5.0  | 87 | 86 | 85 | 84 | 84 | 83 | 82 | 79 | 96  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 980 lm bare lamp luminous flux)         |      |                     |      |      |      |      |                   |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |      | viewed<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
|  |      | 0.70                | 0.70 | 0.50 | 0.50 | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 |
|  |      | 0.50                | 0.30 | 0.50 | 0.30 | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 |
|  |      | 0.20                | 0.20 | 0.20 | 0.20 | 0.20 | 0.20              | 0.20 | 0.20 | 0.20 | 0.20 |
| 2H   | 2H   | 15.7                | 16.3 | 16.0 | 16.6 | 16.8 | 15.5              | 16.1 | 15.8 | 16.4 | 16.7 |
|  | 3H   | 16.1                | 16.6 | 16.4 | 16.9 | 17.2 | 15.5              | 16.1 | 15.8 | 16.4 | 16.7 |
|  | 4H   | 16.3                | 16.9 | 16.7 | 17.2 | 17.5 | 15.5              | 16.0 | 15.8 | 16.3 | 16.7 |
|  | 6H   | 16.6                | 17.1 | 17.0 | 17.4 | 17.8 | 15.5              | 16.0 | 15.8 | 16.3 | 16.6 |
|  | 8H   | 16.7                | 17.2 | 17.1 | 17.5 | 17.9 | 15.4              | 15.9 | 15.8 | 16.3 | 16.6 |
|  | 12H  | 16.8                | 17.2 | 17.2 | 17.6 | 18.0 | 15.4              | 15.9 | 15.8 | 16.2 | 16.6 |
| 4H   | 2H   | 15.7                | 16.2 | 16.0 | 16.5 | 16.8 | 16.0              | 16.5 | 16.3 | 16.8 | 17.2 |
|  | 3H   | 16.2                | 16.7 | 16.6 | 17.0 | 17.4 | 16.2              | 16.6 | 16.6 | 17.0 | 17.3 |
|  | 4H   | 16.6                | 17.0 | 17.0 | 17.4 | 17.8 | 16.2              | 16.6 | 16.7 | 17.0 | 17.4 |
|  | 6H   | 17.0                | 17.4 | 17.5 | 17.8 | 18.3 | 16.3              | 16.7 | 16.8 | 17.1 | 17.5 |
|  | 8H   | 17.2                | 17.5 | 17.7 | 18.0 | 18.4 | 16.3              | 16.7 | 16.8 | 17.1 | 17.6 |
|  | 12H  | 17.3                | 17.6 | 17.8 | 18.1 | 18.6 | 16.3              | 16.6 | 16.8 | 17.1 | 17.6 |
| 8H   | 4H   | 16.7                | 17.0 | 17.2 | 17.5 | 17.9 | 16.7              | 17.1 | 17.2 | 17.5 | 18.0 |
|  | 6H   | 17.3                | 17.5 | 17.7 | 18.0 | 18.5 | 17.0              | 17.2 | 17.5 | 17.7 | 18.2 |
|  | 8H   | 17.5                | 17.7 | 18.0 | 18.2 | 18.8 | 17.1              | 17.3 | 17.6 | 17.8 | 18.3 |
|  | 12H  | 17.7                | 17.9 | 18.2 | 18.4 | 19.0 | 17.1              | 17.3 | 17.7 | 17.9 | 18.4 |
| 12H  | 4H   | 16.7                | 17.0 | 17.2 | 17.4 | 17.9 | 16.9              | 17.1 | 17.3 | 17.6 | 18.1 |
|  | 6H   | 17.3                | 17.5 | 17.8 | 18.0 | 18.5 | 17.1              | 17.4 | 17.6 | 17.8 | 18.4 |
|  | 8H   | 17.6                | 17.8 | 18.1 | 18.3 | 18.8 | 17.3              | 17.5 | 17.8 | 18.0 | 18.5 |
| Variations with the observer position at spacing:                |      |                     |      |      |      |      |                   |      |      |      |      |
| S =  | 1.0H | 1.6 / -1.5          |      |      |      |      | 1.8 / -1.6        |      |      |      |      |
|  | 1.5H | 3.4 / -1.8          |      |      |      |      | 3.6 / -1.9        |      |      |      |      |
|  | 2.0H | 5.0 / -1.9          |      |      |      |      | 5.3 / -2.1        |      |      |      |      |