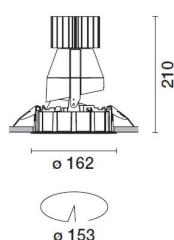


Last information update: April 2024

**Product configuration: N095**

N095: adjustable luminaire - Ø 153 mm - neutral white - medium optic - frame

**Product code**

N095: adjustable luminaire - Ø 153 mm - neutral white - medium optic - frame

**Technical description**

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a neutral white colour tone 4000K. Version with rim for surface-mounting. Painted, die-cast aluminium body. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

**Installation**

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.

**Colour**

White / Aluminium (39)

**Weight (Kg)**

1.43

**Mounting**

ceiling recessed

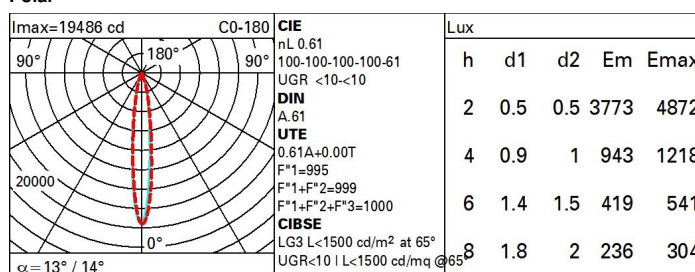
**Wiring**

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations

**Technical data**

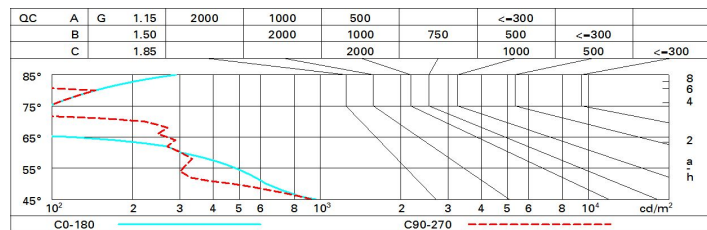
|  |           |  |  |
|--|-----------|--|--|
| lm system:   | 1948      | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)  |
| W system:  | 23.7      | Lamp code:   | LED  |
| lm source:   | 3200      | Number of lamps for optical assembly:                                    | 1  |
| W source:  | 21        | ZVEI Code:   | LED  |
| Luminous efficiency (lm/W, real value):            | 82.2      | Number of optical assemblies:  | 1  |
| lm in emergency mode:                              | -         | Power factor:  | See installation instructions  |
| Total light flux at or above an angle of 90° [Lm]: | 0         | Inrush current:  | 18 A / 250 µs  |
| Light Output Ratio (L.O.R.) [%]:                   | 61        | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 21 luminaires<br>B16A: 34 luminaires<br>C10A: 35 luminaires<br>C16A: 57 luminaires |
| Beam angle [°]:                                    | 13° / 14° | Minimum dimming %:   | 1  |
| CRI (minimum):                                     | 80        | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| Colour temperature [K]:                            | 4000      | Control:   | DALI-2   |
| MacAdam Step:                                      | 2         |  |  |

**Polar**

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 55 | 52 | 50 | 49 | 52 | 50 | 49 | 48 | 78  |
| 1.0  | 57 | 55 | 53 | 52 | 54 | 53 | 52 | 50 | 83  |
| 1.5  | 60 | 58 | 57 | 56 | 58 | 56 | 56 | 54 | 88  |
| 2.0  | 62 | 61 | 60 | 59 | 60 | 59 | 58 | 57 | 93  |
| 2.5  | 63 | 62 | 61 | 61 | 61 | 61 | 60 | 58 | 96  |
| 3.0  | 64 | 63 | 63 | 62 | 62 | 62 | 61 | 59 | 98  |
| 4.0  | 65 | 64 | 64 | 63 | 63 | 63 | 62 | 60 | 99  |
| 5.0  | 65 | 65 | 64 | 64 | 64 | 63 | 62 | 61 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 3200 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 |      |      |     |     |
| 2H   | 2H  | -2.9                | -0.8 | -2.5 | -0.4 | -0.1 | -0.5              | 1.0  | -0.1 | 1.9 | 2.3 |
|  | 3H  | -3.0                | -1.5 | -2.6 | -1.2 | -0.8 | -0.6              | 0.9  | -0.2 | 1.2 | 1.5 |
|  | 4H  | -3.0                | -1.8 | -2.6 | -1.5 | -1.2 | -0.6              | 0.5  | -0.3 | 0.8 | 1.2 |
|  | 6H  | -2.9                | -2.1 | -2.6 | -1.8 | -1.5 | -0.7              | 0.1  | -0.3 | 0.5 | 0.8 |
|  | 8H  | -2.9                | -2.1 | -2.5 | -1.7 | -1.4 | -0.7              | 0.1  | -0.3 | 0.5 | 0.8 |
|  | 12H | -2.9                | -2.0 | -2.5 | -1.7 | -1.3 | -0.8              | 0.1  | -0.4 | 0.5 | 0.8 |
| 4H   | 2H  | -3.0                | -1.8 | -2.6 | -1.5 | -1.2 | -0.6              | 0.5  | -0.3 | 0.8 | 1.2 |
|  | 3H  | -3.1                | -2.2 | -2.7 | -1.9 | -1.5 | -0.8              | 0.1  | -0.4 | 0.5 | 0.9 |
|  | 4H  | -3.2                | -2.2 | -2.8 | -1.8 | -1.4 | -0.9              | 0.1  | -0.5 | 0.5 | 0.9 |
|  | 6H  | -3.5                | -1.8 | -3.0 | -1.3 | -0.8 | -1.3              | 0.5  | -0.8 | 0.9 | 1.4 |
|  | 8H  | -3.5                | -1.5 | -3.0 | -1.1 | -0.6 | -1.4              | 0.5  | -0.9 | 1.0 | 1.5 |
|  | 12H | -3.4                | -1.4 | -2.9 | -0.9 | -0.4 | -1.5              | 0.5  | -1.0 | 1.0 | 1.5 |
| 8H   | 4H  | -3.7                | -1.8 | -3.2 | -1.3 | -0.8 | -1.4              | 0.6  | -0.9 | 1.0 | 1.5 |
|  | 6H  | -3.6                | -1.9 | -3.1 | -1.4 | -0.9 | -1.4              | 0.3  | -0.9 | 0.8 | 1.3 |
|  | 8H  | -3.3                | -1.9 | -2.8 | -1.4 | -0.9 | -1.4              | 0.1  | -0.9 | 0.5 | 1.1 |
|  | 12H | -2.8                | -1.9 | -2.3 | -1.4 | -0.8 | -1.2              | -0.3 | -0.7 | 0.2 | 0.8 |
| 12H  | 4H  | -3.8                | -1.8 | -3.3 | -1.3 | -0.8 | -1.5              | 0.5  | -0.9 | 1.0 | 1.5 |
|  | 6H  | -3.6                | -2.1 | -3.1 | -1.6 | -1.1 | -1.4              | 0.1  | -0.9 | 0.6 | 1.1 |
|  | 8H  | -3.1                | -2.2 | -2.6 | -1.7 | -1.1 | -1.2              | -0.3 | -0.7 | 0.2 | 0.8 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |     |     |
| S =  |     | 1.0H                |      |      |      |      | 3.6 / -3.8        |      |      |     |     |
|  |     | 1.5H                |      |      |      |      | 6.1 / -4.7        |      |      |     |     |
|  |     | 2.0H                |      |      |      |      | 8.0 / -5.0        |      |      |     |     |
|  |     |                     |      |      |      |      | 6.4 / -9.1        |      |      |     |     |
|  |     |                     |      |      |      |      | 9.1 / -9.8        |      |      |     |     |
|  |     |                     |      |      |      |      | 11.1 / -10.1      |      |      |     |     |