

## Reflex

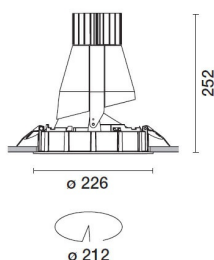
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Last information update: May 2025

**Product configuration: N108.39**

N108.39: adjustable luminaire - Ø 212 mm - warm white - flood optic - frame - 35.6W 3407.8lm - 3000K - White / Aluminium



## Product code

N108.39: adjustable luminaire - Ø 212 mm - warm white - flood optic - frame - 35.6W 3407.8lm - 3000K - White / Aluminium

### Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a warm white colour tone 3000K. Version with rim for surface-mounting. 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

Installation flush with the ceiling is for false ceilings 12.5 mm thick

| Colour                 | Weight (Kg) |
|------------------------|-------------|
| White / Aluminium (39) | 1.9         |

|             |     |
|-------------|-----|
| Weight (Kg) | 1.9 |
|-------------|-----|

## Mounting

ceiling recessed

## Wiring

Product complete with DALI components

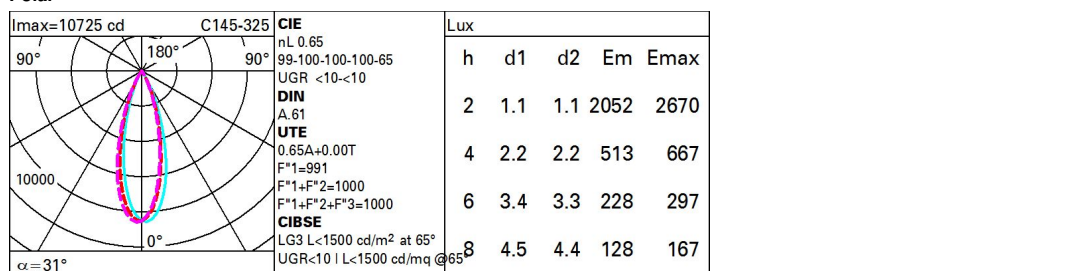
Complies with EN60598-1 and pertinent regulations



## Technical data

|  |           |  |  |
|--|-----------|--|--|
| Im system:   | 3408      | MacAdam Step:  | 2  |
| W system:  | 35.6      | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)  |
| Im source:   | 5250      | Lamp code:   | LED  |
| W source:  | 32        | Number of lamps for optical assembly:                                    | 1  |
| Luminous efficiency (lm/W, real value):            | 95.7      | ZVEI Code:   | LED  |
| Im in emergency mode:                              | -         | Number of optical assemblies:  | 1  |
| Total light flux at or above an angle of 90° [Lm]: | 0         | Power factor:  | See installation instructions  |
| Light Output Ratio (L.O.R.) [%]:                   | 65        | Inrush current:  | 18 A / 250 µs  |
| Beam angle [°]:                                    | 32° / 31° | 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 |
| CRI (minimum):                                     | 80        | Minimum dimming %:   | 1  |
| Rf (Colour Fidelity Index):                        | 84        | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| Rg (Gamut Index):                                  | 95        | Control:   | DALI-2   |
| Colour temperature [K]:                            | 3000      |  |  |

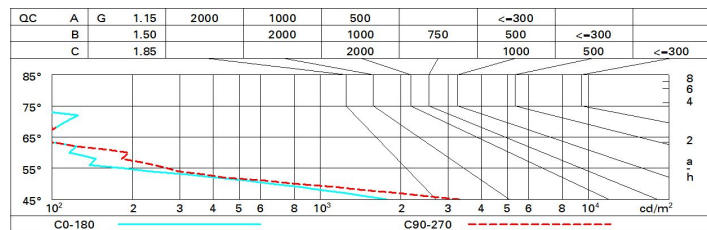
## Polar



# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 58 | 55 | 53 | 52 | 55 | 53 | 53 | 50 | 78  |
| 1.0  | 61 | 58 | 56 | 55 | 58 | 56 | 56 | 53 | 82  |
| 1.5  | 64 | 62 | 60 | 59 | 61 | 60 | 59 | 57 | 88  |
| 2.0  | 66 | 65 | 63 | 62 | 64 | 63 | 62 | 60 | 93  |
| 2.5  | 67 | 66 | 65 | 65 | 65 | 64 | 64 | 62 | 96  |
| 3.0  | 68 | 67 | 67 | 66 | 66 | 66 | 65 | 63 | 98  |
| 4.0  | 69 | 68 | 68 | 67 | 67 | 67 | 66 | 64 | 99  |
| 5.0  | 69 | 69 | 69 | 68 | 68 | 68 | 67 | 65 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 5250 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   | 7.3                 | 7.9 | 7.6 | 8.1 | 8.3 | 5.8               | 6.4 | 6.1 | 6.6 | 6.9 |
|  | 3H   | 7.2                 | 7.7 | 7.5 | 8.0 | 8.2 | 5.7               | 6.2 | 6.0 | 6.5 | 6.7 |
|  | 4H   | 7.1                 | 7.6 | 7.5 | 7.9 | 8.2 | 5.6               | 6.1 | 6.0 | 6.4 | 6.7 |
|  | 6H   | 7.0                 | 7.5 | 7.4 | 7.8 | 8.1 | 5.6               | 6.0 | 5.9 | 6.3 | 6.6 |
|  | 8H   | 7.0                 | 7.4 | 7.4 | 7.7 | 8.1 | 5.5               | 5.9 | 5.9 | 6.3 | 6.6 |
|  | 12H  | 7.0                 | 7.4 | 7.3 | 7.7 | 8.0 | 5.5               | 5.9 | 5.9 | 6.2 | 6.6 |
| 4H   | 2H   | 7.1                 | 7.6 | 7.4 | 7.9 | 8.2 | 5.6               | 6.1 | 6.0 | 6.4 | 6.7 |
|  | 3H   | 7.0                 | 7.4 | 7.3 | 7.7 | 8.1 | 5.5               | 5.9 | 5.9 | 6.2 | 6.6 |
|  | 4H   | 6.9                 | 7.2 | 7.3 | 7.6 | 8.0 | 5.4               | 5.7 | 5.8 | 6.1 | 6.5 |
|  | 6H   | 6.8                 | 7.1 | 7.2 | 7.5 | 7.9 | 5.3               | 5.6 | 5.7 | 6.0 | 6.4 |
|  | 8H   | 6.8                 | 7.0 | 7.2 | 7.4 | 7.9 | 5.3               | 5.5 | 5.7 | 6.0 | 6.4 |
|  | 12H  | 6.7                 | 7.0 | 7.2 | 7.4 | 7.8 | 5.2               | 5.5 | 5.7 | 5.9 | 6.4 |
| 8H   | 4H   | 6.8                 | 7.0 | 7.2 | 7.4 | 7.9 | 5.3               | 5.5 | 5.7 | 6.0 | 6.4 |
|  | 6H   | 6.7                 | 6.9 | 7.1 | 7.3 | 7.8 | 5.2               | 5.4 | 5.6 | 5.8 | 6.3 |
|  | 8H   | 6.6                 | 6.8 | 7.1 | 7.3 | 7.8 | 5.1               | 5.3 | 5.6 | 5.8 | 6.3 |
|  | 12H  | 6.6                 | 6.7 | 7.1 | 7.2 | 7.7 | 5.1               | 5.2 | 5.6 | 5.7 | 6.2 |
| 12H  | 4H   | 6.7                 | 7.0 | 7.2 | 7.4 | 7.8 | 5.2               | 5.5 | 5.7 | 5.9 | 6.4 |
|  | 6H   | 6.6                 | 6.8 | 7.1 | 7.3 | 7.8 | 5.1               | 5.3 | 5.6 | 5.8 | 6.3 |
|  | 8H   | 6.6                 | 6.7 | 7.1 | 7.2 | 7.7 | 5.1               | 5.2 | 5.6 | 5.7 | 6.2 |
| Variations with the observer position at spacing:                |      |                     |     |     |     |     |                   |     |     |     |     |
| S =  | 1.0H | 6.3 / -17.3         |     |     |     |     | 4.4 / -14.5       |     |     |     |     |
|  | 1.5H | 9.1 / -18.8         |     |     |     |     | 7.2 / -18.5       |     |     |     |     |
|  | 2.0H | 11.1 / -20.7        |     |     |     |     | 9.2 / -22.0       |     |     |     |     |