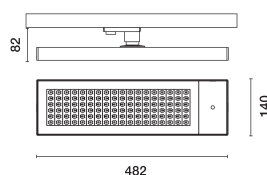


Last information update: January 2025

**Product configuration: PZ37.S1**

PZ37.S1: Luminaire L=482 - DALI-2 Sensor - Very Wide Flood (Down) optic - UGR<19 - 15.8W 2523lm - 3500K - White/White/White Transparent

**Product code**

PZ37.S1: Luminaire L=482 - DALI-2 Sensor - Very Wide Flood (Down) optic - UGR<19 - 15.8W 2523lm - 3500K - White/White/White Transparent

**Technical description**

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI-2 power supply and 3500K CRI80 direct emission monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ( $L \leq 3000 \text{ cd/m}^2$ ). Luminaire complete with DALI-2 sensor and light and motion detector, for compatible DALI-2 control systems.(iBeacon protocol). Option of rotation around a vertical axis by 360° with a mechanical rotation lock.

**Installation**

Mounted on mains voltage tracks.

Positioning height min 2.4 m / max 5 m for motion and min 2.4 m / max 3 m as a light and motion sensor.

For other height positioning values and distances between luminaires, contact iGuzzini or refer to the instruction sheets.

Example of typical motion sensor coverage diameter: 5 m (@ 4 m h for installation).

Dynamic lighting range: 1-1000 lx.

Movement detection angle 84°.

Detection angle for light measurement 30° - 60° (asymmetric).

**Colour**

White/White/White Transparent (S1)

**Weight (Kg)**

1.66

**Wiring**

Power supply via DALI bus (consumption 9 mA).

**Notes**

DALI EN 62386-101 ed.2 (DALI-2) The sensor used is DALI-2 certified. DALI parts 101,103,301,303,304

For systems compatible with the DALI-2 sensor, contact iGuzzini.

Complies with EN60598-1 and pertinent regulations

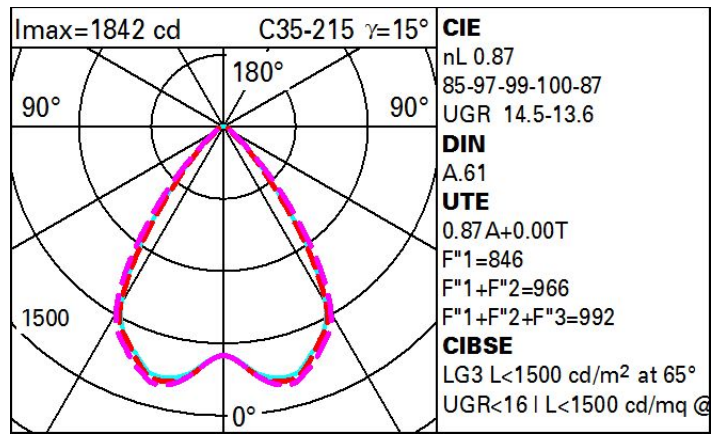


IP20

**Technical data**

|  |       |  |  |
|--|-------|--|--|
| lm system:   | 2523  | Lamp code:   | LED  |
| W system:  | 14    | Number of lamps for optical assembly:                                    | 1  |
| lm source:   | 2900  | ZVEI Code:   | LED  |
| W source:  | 14    | Number of optical assemblies:  | 1  |
| Luminous efficiency (lm/W, real value):            | 180.2 | Power factor:  | See installation instructions  |
| lm in emergency mode:                              | -     | Inrush current:  | 10 A / 220 µs  |
| Total light flux at or above an angle of 90° [Lm]: | 0     | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 18 luminaires<br>B16A: 30 luminaires<br>C10A: 31 luminaires<br>C16A: 51 luminaires |
| Light Output Ratio (L.O.R.) [%]:                   | 87    | Minimum dimming %:   | 1  |
| CRI (minimum):                                     | 80    | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| Colour temperature [K]:                            | 3500  | Control:   | DALI-2 sensor  |
| MacAdam Step:                                      | 3     |  |  |

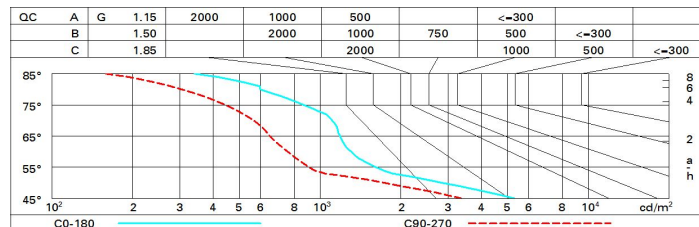
# Polar



## Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 72 | 67 | 63 | 60 | 66 | 62 | 62 | 58 | 67  |
| 1.0  | 77 | 72 | 68 | 65 | 71 | 67 | 67 | 63 | 73  |
| 1.5  | 82 | 79 | 75 | 73 | 77 | 75 | 74 | 70 | 81  |
| 2.0  | 86 | 83 | 80 | 78 | 82 | 79 | 78 | 75 | 87  |
| 2.5  | 88 | 85 | 84 | 82 | 84 | 82 | 81 | 78 | 90  |
| 3.0  | 89 | 87 | 86 | 84 | 86 | 85 | 83 | 81 | 93  |
| 4.0  | 91 | 89 | 88 | 87 | 88 | 87 | 85 | 83 | 95  |
| 5.0  | 91 | 90 | 89 | 88 | 89 | 88 | 86 | 84 | 96  |

## Luminance curve limit



# UGR diagram

| Corrected UGR values (at 2900 lm bare lamp luminous flux)        |     |                     |            |      |            |      |                   |      |      |      |      |      |
|--|-----|---------------------|------------|------|------------|------|-------------------|------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |     | 0.70                | 0.70       | 0.50 | 0.50       | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 |
|  |     | 0.50                | 0.30       | 0.50 | 0.30       | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 | 0.30 |
|  |     | 0.20                | 0.20       | 0.20 | 0.20       | 0.20 | 0.20              | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
|  |     | viewed<br>crosswise |            |      |            |      | viewed<br>endwise |      |      |      |      |      |
| 2H   | 2H  | 14.4                | 15.2       | 14.7 | 15.4       | 15.7 | 13.6              | 14.4 | 13.9 | 14.7 | 14.9 | 14.9 |
|  | 3H  | 14.5                | 15.2       | 14.8 | 15.5       | 15.7 | 13.6              | 14.3 | 13.9 | 14.5 | 14.8 | 14.8 |
|  | 4H  | 14.5                | 15.2       | 14.9 | 15.5       | 15.8 | 13.5              | 14.2 | 13.9 | 14.5 | 14.8 | 14.8 |
|  | 6H  | 14.5                | 15.1       | 14.9 | 15.4       | 15.8 | 13.5              | 14.1 | 13.8 | 14.4 | 14.7 | 14.7 |
|  | 8H  | 14.5                | 15.1       | 14.9 | 15.4       | 15.8 | 13.4              | 14.0 | 13.8 | 14.3 | 14.7 | 14.7 |
|  | 12H | 14.5                | 15.1       | 14.9 | 15.4       | 15.8 | 13.4              | 13.9 | 13.8 | 14.3 | 14.6 | 14.6 |
| 4H   | 2H  | 14.3                | 14.9       | 14.6 | 15.2       | 15.5 | 13.7              | 14.3 | 14.0 | 14.6 | 14.9 | 14.9 |
|  | 3H  | 14.4                | 14.9       | 14.8 | 15.3       | 15.6 | 13.7              | 14.2 | 14.1 | 14.6 | 14.9 | 14.9 |
|  | 4H  | 14.5                | 14.9       | 14.9 | 15.3       | 15.7 | 13.6              | 14.1 | 14.1 | 14.5 | 14.9 | 14.9 |
|  | 6H  | 14.5                | 14.9       | 14.9 | 15.3       | 15.7 | 13.6              | 14.0 | 14.0 | 14.4 | 14.9 | 14.9 |
|  | 8H  | 14.5                | 14.9       | 14.9 | 15.3       | 15.7 | 13.6              | 14.0 | 14.0 | 14.4 | 14.8 | 14.8 |
|  | 12H | 14.5                | 14.8       | 14.9 | 15.3       | 15.7 | 13.5              | 13.9 | 14.0 | 14.3 | 14.8 | 14.8 |
| 8H   | 4H  | 14.4                | 14.8       | 14.8 | 15.2       | 15.6 | 13.7              | 14.1 | 14.1 | 14.5 | 14.9 | 14.9 |
|  | 6H  | 14.5                | 14.8       | 14.9 | 15.2       | 15.7 | 13.7              | 14.0 | 14.1 | 14.4 | 14.9 | 14.9 |
|  | 8H  | 14.5                | 14.7       | 14.9 | 15.2       | 15.7 | 13.6              | 13.9 | 14.1 | 14.4 | 14.9 | 14.9 |
|  | 12H | 14.5                | 14.7       | 15.0 | 15.2       | 15.7 | 13.6              | 13.9 | 14.1 | 14.3 | 14.9 | 14.9 |
| 12H  | 4H  | 14.3                | 14.7       | 14.8 | 15.1       | 15.6 | 13.6              | 14.0 | 14.1 | 14.4 | 14.9 | 14.9 |
|  | 6H  | 14.4                | 14.7       | 14.9 | 15.2       | 15.7 | 13.6              | 13.9 | 14.1 | 14.4 | 14.9 | 14.9 |
|  | 8H  | 14.4                | 14.7       | 14.9 | 15.2       | 15.7 | 13.6              | 13.9 | 14.1 | 14.4 | 14.9 | 14.9 |
| Variations with the observer position at spacing:                |     |                     |            |      |            |      |                   |      |      |      |      |      |
| S =  |     | 1.0H                | 2.8 / -4.0 |      | 3.0 / -4.4 |      |                   |      |      |      |      |      |
|  |     | 1.5H                | 5.2 / -4.6 |      | 5.3 / -5.0 |      |                   |      |      |      |      |      |
|  |     | 2.0H                | 7.2 / -5.1 |      | 7.2 / -5.2 |      |                   |      |      |      |      |      |