

## View Opti Beam Lens round

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Last information update: March 2025

### Product configuration: 450B

450B: round large body spotlight - wide flood



### Product code

450B: round large body spotlight - wide flood

### Technical description

Indoor adjustable spotlight with adapter for installation on a three-phase/DALI track. Device made of die-cast aluminium and a front part made of a thermoplastic material. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Optical assembly consisting of Neutral White tone 4000K LEDs with OPTIBEAM LENS technology and a wide flood light beam. Dimmable DALI driver built-in to box with a semi-hidden system on track. Option of installing a range of flat accessories including an OPTIBEAM REFRACTOR for varying light distribution, an elliptical distribution refractor, a louvre, a soft lens and an outdoor accessory like an asymmetric visor for eliminating stray light dispersion on the ceiling.

### Installation

On a three-phase/DALI electrified track

### Colour

Black (04) | Black / White (47)

### Weight (Kg)

1.57

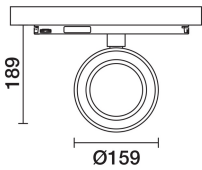
### Mounting

dali track|three circuit track

### Wiring

Product complete with DALI dimmable components, housed in a semi-hidden box on the track.

Complies with EN60598-1 and pertinent regulations



### Technical data

|  |      |  |  |
|--|------|--|--|
| lm system:   | 2386 | MacAdam Step:  | 2  |
| W system:  | 28.3 | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)  |
| lm source:   | 2910 | Lamp code:   | LED  |
| W source:  | 24   | Number of lamps for optical assembly:                                    | 1  |
| Luminous efficiency (lm/W, real value):            | 84.3 | ZVEI Code:   | LED  |
| lm 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.) [%]:                   | 82   | Inrush current:  | 5 A / 50 µs  |
| Beam angle [°]:                                    | 46°  | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 31 luminaires<br>B16A: 50 luminaires<br>C10A: 52 luminaires<br>C16A: 85 luminaires |
| CRI (minimum):                                     | 97   | Overvoltage protection:  | 4kV Common mode & 2kV Differential mode  |
| Colour temperature [K]:                            | 4000 | Control:   | DALI-2   |

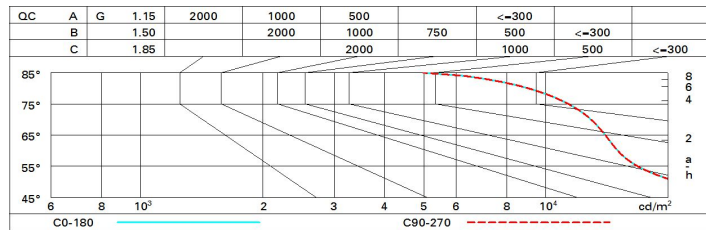
### Polar

|                               |   |     |            |                  |
|-------------------------------|---|-----|------------|------------------|
| <p>Imax=3535 cd<br/>α=46°</p> | <b>CIE</b><br>nL 0.82<br>89-97-99-100-82<br>UGR 20.9-20.7<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.82A+0.00T<br>F*1=892<br>F*1+F*2=968<br>F*1+F*2+F*3=995 |     | <b>Lux</b> |                  |
|                               | h   | d   | Em         | E <sub>max</sub> |
|                               | 2   | 1.7 | 674        | 884              |
|                               | 4   | 3.4 | 168        | 221              |
|                               | 6   | 5.1 | 75         | 98               |
| 8                             | 6.8   | 42  | 55         |                  |

Utilisation factors

|      |    |    |    |    |    |    |    |    |     |
|------|----|----|----|----|----|----|----|----|-----|
| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 70 | 65 | 62 | 59 | 64 | 61 | 61 | 58 | 70  |
| 1.0  | 74 | 69 | 66 | 64 | 68 | 66 | 65 | 62 | 76  |
| 1.5  | 79 | 75 | 73 | 70 | 74 | 72 | 71 | 68 | 83  |
| 2.0  | 82 | 79 | 77 | 75 | 78 | 76 | 75 | 72 | 88  |
| 2.5  | 83 | 81 | 80 | 78 | 80 | 79 | 78 | 75 | 92  |
| 3.0  | 85 | 83 | 82 | 81 | 82 | 81 | 80 | 77 | 94  |
| 4.0  | 86 | 85 | 84 | 83 | 83 | 83 | 81 | 79 | 96  |
| 5.0  | 87 | 86 | 85 | 84 | 84 | 84 | 82 | 80 | 98  |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2910 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  |      | viewed crosswise |      |      |      |      | viewed endwise |      |      |      |      |
| x   | y    |                  |      |      |      |      |                |      |      |      |      |
| 2H  | 2H   | 19.3             | 20.0 | 19.6 | 20.3 | 20.5 | 19.3           | 20.0 | 19.6 | 20.3 | 20.5 |
|   | 3H   | 19.9             | 20.5 | 20.2 | 20.8 | 21.1 | 19.5           | 20.1 | 19.8 | 20.4 | 20.6 |
|   | 4H   | 20.1             | 20.7 | 20.5 | 21.0 | 21.3 | 19.5           | 20.1 | 19.8 | 20.4 | 20.7 |
|   | 6H   | 20.3             | 20.8 | 20.6 | 21.1 | 21.5 | 19.5           | 20.0 | 19.8 | 20.3 | 20.7 |
|   | 8H   | 20.3             | 20.8 | 20.7 | 21.2 | 21.5 | 19.5           | 20.0 | 19.8 | 20.3 | 20.7 |
| 12H   | 20.3 | 20.8             | 20.7 | 21.1 | 21.5 | 19.4 | 19.9           | 19.8 | 20.3 | 20.6 |      |
| 4H  | 2H   | 19.5             | 20.1 | 19.8 | 20.4 | 20.7 | 20.1           | 20.7 | 20.5 | 21.0 | 21.3 |
|   | 3H   | 20.2             | 20.7 | 20.6 | 21.1 | 21.4 | 20.4           | 20.9 | 20.8 | 21.3 | 21.6 |
|   | 4H   | 20.6             | 21.0 | 21.0 | 21.4 | 21.8 | 20.6           | 21.0 | 21.0 | 21.4 | 21.8 |
|   | 6H   | 20.8             | 21.2 | 21.2 | 21.6 | 22.0 | 20.7           | 21.0 | 21.1 | 21.4 | 21.9 |
|   | 8H   | 20.9             | 21.2 | 21.3 | 21.6 | 22.1 | 20.7           | 21.0 | 21.1 | 21.4 | 21.9 |
| 12H   | 20.9 | 21.2             | 21.3 | 21.6 | 22.1 | 20.6 | 21.0           | 21.1 | 21.4 | 21.8 |      |
| 8H  | 4H   | 20.7             | 21.0 | 21.1 | 21.4 | 21.9 | 20.9           | 21.2 | 21.3 | 21.6 | 22.1 |
|   | 6H   | 21.0             | 21.3 | 21.4 | 21.7 | 22.2 | 21.0           | 21.3 | 21.5 | 21.7 | 22.2 |
|   | 8H   | 21.1             | 21.3 | 21.5 | 21.8 | 22.3 | 21.1           | 21.3 | 21.5 | 21.8 | 22.3 |
|   | 12H  | 21.1             | 21.3 | 21.6 | 21.8 | 22.3 | 21.1           | 21.3 | 21.6 | 21.8 | 22.3 |
| 12H   | 4H   | 20.6             | 21.0 | 21.1 | 21.4 | 21.8 | 20.9           | 21.2 | 21.3 | 21.6 | 22.1 |
|   | 6H   | 21.0             | 21.2 | 21.5 | 21.7 | 22.2 | 21.0           | 21.3 | 21.5 | 21.7 | 22.2 |
|   | 8H   | 21.1             | 21.3 | 21.6 | 21.8 | 22.3 | 21.1           | 21.3 | 21.6 | 21.8 | 22.3 |
| Variations with the observer position at spacing:         |      |                  |      |      |      |      |                |      |      |      |      |
| S =   | 1.0H | 1.7 / -1.2       |      |      |      |      | 1.7 / -1.2     |      |      |      |      |
|   | 1.5H | 3.5 / -1.6       |      |      |      |      | 3.5 / -1.6     |      |      |      |      |
|   | 2.0H | 5.1 / -1.9       |      |      |      |      | 5.1 / -1.9     |      |      |      |      |