



### Features

- OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI is a high efficacy low glare luminaire for office and education applications. Suitable for surface and suspended mounting. Size: 1129x200x45mm. Aluminised plastic extra low glare optics in 2 lines configuration. White RAL9016 fixture body. DALI dimmable. 4000K Neutral White LED, CRI>90, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3700lm. Power consumption 29W. Luminaire efficacy 128lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Luminance at 65°<200 Cd/m2, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.

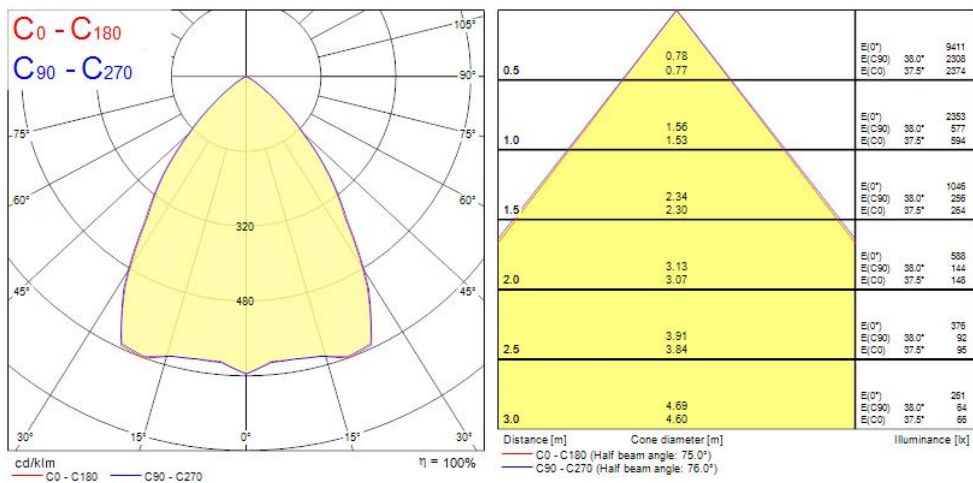
### Product Overview

|                                   |                                                 |
|-----------------------------------|-------------------------------------------------|
| Product name                      | OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI |
| Technology                        | LED (3 SDCM)                                    |
| Cap/Base                          | N/A                                             |
| Housing                           | Steel                                           |
| Mount                             | Ceiling surface mounting                        |
| Fixture rating                    | Enclosed                                        |
| General application               | Education, Office                               |
| ETIM Class                        | EC002892                                        |
| Fixture luminous flux (lm)        | 3700                                            |
| Luminaire efficacy (lm/W)         | 128                                             |
| Correlated colour temperature (k) | 4000                                            |
| Light colour                      | Neutral White                                   |
| CRI (Ra)                          | 90                                              |
| Colour Variation Initial (SDCM)   | 3                                               |
| Glare control                     | < 16                                            |

## OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI 2023710

|                             |                             |
|-----------------------------|-----------------------------|
| Photobiological Risk Group  | RG0                         |
| Total power consumption (W) | 29                          |
| Electrical protection       | Class I                     |
| Control gear type           | LED driver constant current |
| Dimmable                    | Yes                         |
| LED Flickering Rate         | Ultra low (5% or less)      |
| Housing colour              | RAL9016                     |
| IP rating                   | IP20                        |
| IK rating                   | IK07                        |
| Product EAN number          | 5025768237104               |
| Warranty                    | 5 years                     |
| Dimming method              | DALI                        |

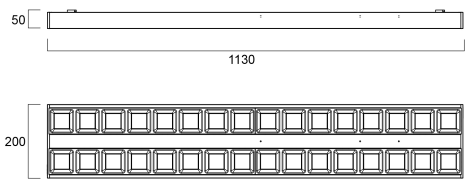
### Photometry



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## OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI 2023710

### Technical drawings



### Data table

#### GENERAL DATA

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Product name                            | OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI |
| Technology                              | LED (3 SDCM)                                    |
| Cap/Base                                | N/A                                             |
| Housing                                 | Steel                                           |
| Mount                                   | Ceiling surface mounting                        |
| Fixture rating                          | Enclosed                                        |
| General application                     | Education, Office                               |
| Operating temperature range (°C)        | 10°C...+25°C                                    |
| Performance ambient temperature Tq (°C) | 25                                              |
| ETIM Class                              | EC002892                                        |
| Warranty                                | 5 years                                         |

#### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 3700          |
| Luminaire efficacy (lm/W)         | 128           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 90            |
| Colour Variation Initial (SDCM)   | 3             |

## OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI 2023710

|                            |           |
|----------------------------|-----------|
| Distribution type          | Symmetric |
| Glare control              | < 16      |
| Photobiological Risk Group | RG0       |

### ELECTRICAL DATA

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 29                          |
| Primary Supply/Product voltage - min (V)                         | 220                         |
| Primary Supply/Product voltage - max (V)                         | 240                         |
| Lamp power factor                                                | 0.98                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 9                           |
| Electrical protection                                            | Class I                     |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | Yes                         |
| Dimming method                                                   | DALI                        |
| Drive current (mA)                                               | 300                         |
| Inrush Current (A)                                               | 29                          |
| Inrush Duration (µs)                                             | 180                         |
| Energy Efficiency Class (A->G) of contained light source         | D                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 21                          |
| Max. products per 13A C Breaker                                  | 28                          |
| Max. products per 16A C Breaker                                  | 36                          |
| Max. products per 20A C Breaker                                  | 45                          |
| Max. products per 10A B Breaker                                  | 13                          |
| Max. products per 13A B Breaker                                  | 17                          |
| Max. products per 16A B Breaker                                  | 22                          |
| Max. products per 20A B Breaker                                  | 27                          |
| Connectable conductor cross section - Min (mm²)                  | 2.5                         |
| Connectable conductor cross section - Max (mm²)                  | 2.5                         |

## OPTIX SURFACE 1200x200 2 LINE 4000K C9 ALU DALI 2023710

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 120000 |
| Lifespan L80 B20 | 120000 |
| Lifespan L90 B10 | 60000  |

### PHYSICAL DATA

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | RAL9016          |
| IP rating                   | IP20             |
| IK rating                   | IK07             |
| Diffuser finish             | Matt/satinized   |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 1129             |
| Nominal Product Width (mm)  | 200              |
| Nominal Product Height (mm) | 45               |
| Weight (kg)                 | 4.5              |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768237104  |
| Packaging single length / height (cm) | 117.0          |
| Packaging single width (cm)           | 22.5           |
| Packaging single depth (cm)           | 6.8            |
| DUN14 (inner)                         | 05025768237104 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 117.0          |
| Packaging outer width (cm)            | 22.5           |
| Packaging outer depth (cm)            | 6.8            |

### SAFETY DATA

|                                     |       |
|-------------------------------------|-------|
| Glow Wire Test (°C)                 | 850   |
| Optimal operating condition (°C)    | 10-25 |
| Special purpose lamp                | No    |
| Dry applications use only           | No    |
| Suitable for household illumination | No    |

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