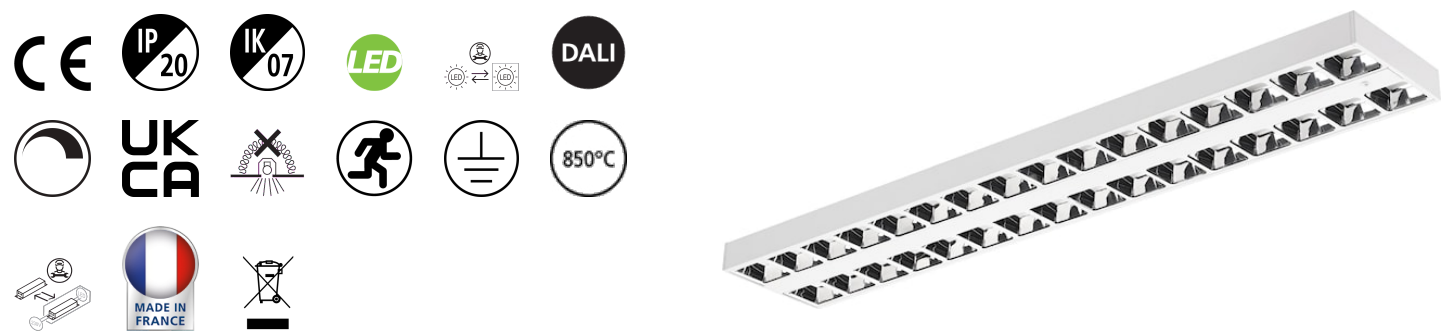


OPTIX SURFACE 1200x200 2 LINE D/I  
4000K ALU DALI EM

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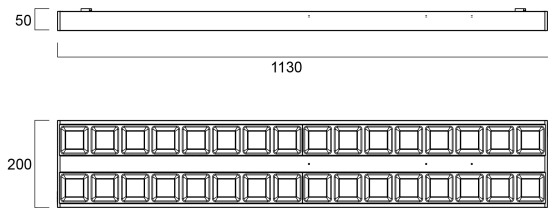
Concord



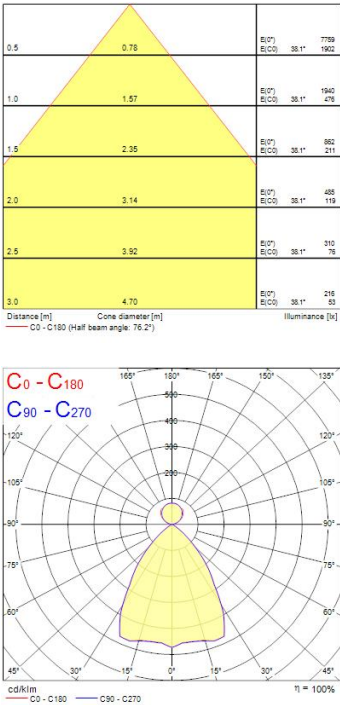
OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU DALI EM is a high efficacy low glare luminaire for office and education applications. Direct / Indirect lighting with 80% downlight and 20% uplight ratio for ceiling suspended mounting. Size: 1129x200x45mm. Aluminised plastic extra low glare optics in 2 lines configuration. White RAL9016 fixture body. DALI dimmable. 3hr maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 4100lm. Power consumption 30.5W. Luminaire efficacy 134lm/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.

Technical Assets

Dimensions (mm)



Photometrics



# OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU DALI EM

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## General data

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Product name                            | OPTIX SURFACE<br>1200x200 2 LINE D/I<br>4000K ALU DALI EM |
| Technology                              | LED (3 SDCM)                                              |
| Cap/Base                                | N/A                                                       |
| Housing                                 | Steel                                                     |
| Mount                                   | Suspended                                                 |
| 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

|                                   |               |
|-----------------------------------|---------------|
| Useful luminous flux (Φuse)       | 4100          |
| Fixture luminous flux (lm)        | 4100          |
| Luminous flux (lm)                | 4100          |
| Luminaire efficacy (lm/W)         | 134           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Distribution type                 | Symmetric     |
| Glare control                     | < 16          |
| Photobiological Risk Group        | RG0           |
| Luminous flux (emergency) (lm)    | 85            |
| Emergency duration (h)            | 3             |

## Electrical data

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| Total power consumption (W)                                      | 30.5                           |
| 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 % | 6.1                            |
| Electrical protection                                            | Class I                        |
| Control gear required                                            | No                             |
| Control gear type                                                | LED driver constant current    |
| Dimmable                                                         | Yes                            |
| Dimming method                                                   | DALI                           |
| Drive current (mA)                                               | 550                            |
| Inrush Current (A)                                               | 35                             |
| Inrush Duration (µs)                                             | 170                            |
| Energy Efficiency Class (A->G) of contained light source         | C, C(more than 1 Light Source) |
| 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                                  | 35                             |
| 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                                  | 21                             |
| Max. products per 20A B Breaker                                  | 27                             |
| Connectable conductor cross section - Min (mm²)                  | 2.5                            |
| Connectable conductor cross section - Max (mm²)                  | 2.5                            |

## Lifetime data

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

# OPTIX SURFACE 1200x200 2 LINE D/I 4000K ALU DALI EM

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Concord

## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| 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)                 | 4.8                              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768237265  |
| Packaging single length / height (cm) | 117.0          |
| Packaging single width (cm)           | 22.5           |
| Packaging single depth (cm)           | 6.8            |
| DUN14 (inner)                         | 05025768237265 |
| 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 |