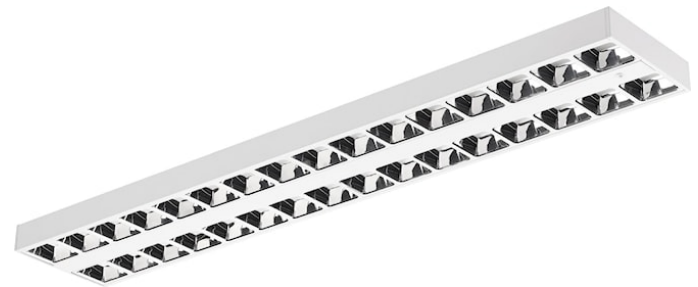
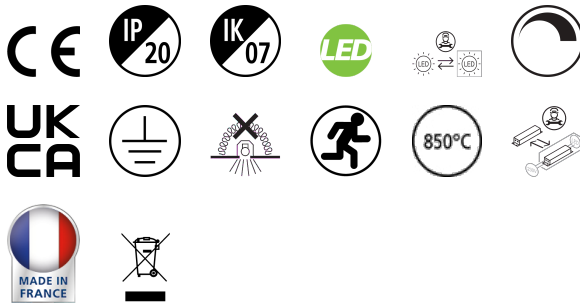


# OPTIX SURFACE 1200x200 2 LINE D/I 4000K C9 ALU DALI EM

Artikelnummer 2023731

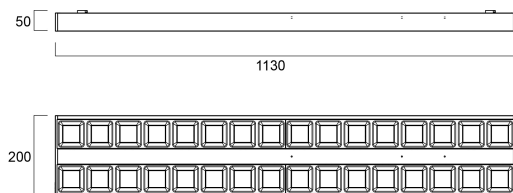
Concord



OPTIX SURFACE 1200x200 2 LINE D/I 4000K C9 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>90, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 4100lm. Power consumption 35W. Luminaire efficacy 117lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Luminance at 65°<200 Cd/m<sup>2</sup>, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.

## Technische Werte

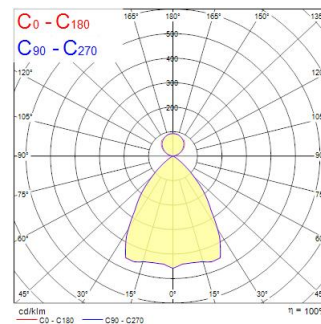
### Größe (mm)



### Photometrie

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Luminance [cd/m²] |
|--------------|-------------------|----------------|-------------------|----------------|-------------------|
| 0.5          | 0.78              | 75.2°          | 0.78              | 0.47           | 7511              |
| 1.0          | 1.56              | 75.2°          | 1.56              | 1.88           | 1878              |
| 1.5          | 2.34              | 75.2°          | 2.34              | 3.46           | 885               |
| 2.0          | 3.11              | 75.2°          | 3.11              | 4.98           | 619               |
| 2.5          | 3.89              | 75.2°          | 3.89              | 7.47           | 412               |
| 3.0          | 4.67              | 75.2°          | 4.67              | 9.96           | 302               |

Distance [m] Cone diameter [m] Luminance [cd/m²]  
C0 - C180 (half beam angle: 75.2°)  
C90 - C270 (half beam angle: 75.2°)



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## Allgemeine Daten

|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Produktname                     | OPTIX SURFACE<br>1200x200 2 LINE D/I<br>4000K C9 ALU DALI EM |
| Technologie                     | LED                                                          |
| Sockel                          | N/A                                                          |
| Gehäuse                         | Steel                                                        |
| Montage                         | Suspended                                                    |
| Integrierter Präsenzmelder      | NONE                                                         |
| Leuchtenklassifizierung         | Enclosed                                                     |
| Allgemeine Anwendungsbereiche   | Office, Education                                            |
| Umgebungstemperaturbereich      | 10°C...+25°C                                                 |
| Betriebstemperatur (°C)         | 25                                                           |
| Virtual assistant compatibility | N/A                                                          |
| ETIM Klasse                     | EC002892                                                     |
| Garantie                        | 5 Jahre                                                      |

## Optische Daten

|                                |               |
|--------------------------------|---------------|
| Leuchtenlichtstrom (lm)        | 4100          |
| Systemeffizienz (lm/W)         | 117           |
| Farbtemperatur (K)             | 4000          |
| Lichtfarbe                     | Neutral White |
| Farbwiedergabeindex (Ra)       | 90            |
| Farbkonsistenz (SDCM)          | SDCM3         |
| Distributionstyp               | Symmetric     |
| Blendungsbegrenzung            | < 16          |
| Photobiological Risk Group     | RG0           |
| Luminous flux (emergency) (lm) | 85            |

## Elektrische Daten

|                                                          |                                |
|----------------------------------------------------------|--------------------------------|
| Modus Notbeleuchtung                                     | Non-maintained                 |
| Notbeleuchtungstyp                                       |                                |
| Dauer Notbeleuchtung (h)                                 | 3                              |
| Leistungsaufnahme gesamt (W)                             | 35                             |
| Primary Supply/Product voltage - min (V)                 | 220                            |
| Primary Supply/Product voltage - max (V)                 | 240                            |
| Leistungsfaktor der Lampe                                | 0.98                           |
| THD (bei 230V, 50Hz, bei 100% Dimm-Level)                | 6.1                            |
| Elektrische Schutzklasse                                 | Class I                        |
| Vorschaltgerät benötigt                                  | No                             |
| Betriebsgerätetyp                                        | LED driver constant current    |
| Dimmbar                                                  | Yes                            |
| Dimming method                                           | DALI-2                         |
| Dimmbar bis (%)                                          | 1                              |
| Stromstärke (mA)                                         | 650                            |
| Einschaltstrom (A)                                       | 35                             |
| Dauer Einschaltstrom (µs)                                | 170                            |
| Energy Efficiency Class (A->G) of contained light source | D, C(more than 1 Light Source) |
| Nennfrequenz (Hz)                                        | 50/60Hz                        |
| LED Flickering Rate                                      | Ultra low (5% or less)         |
| Max. Anzahl Leuchten pro 10A C Sicherung                 | 21                             |
| Max. Anzahl Leuchten pro 13A C Sicherung                 | 28                             |
| Max. Anzahl Leuchten pro 16A C Sicherung                 | 35                             |
| Max. Anzahl Leuchten pro 20A C Sicherung                 | 45                             |
| Max. Anzahl Leuchten pro 10A B Sicherung                 | 13                             |
| Max. Anzahl Leuchten pro 13A B Sicherung                 | 17                             |
| Max. Anzahl Leuchten pro 16A B Sicherung                 | 21                             |

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|                                                    |                                     |                                           |                |
|----------------------------------------------------|-------------------------------------|-------------------------------------------|----------------|
| Max. Anzahl Leuchten pro 20A B<br>Sicherung        | 27                                  | Packaging                                 |                |
| Connectable conductor cross section -<br>Min (mm²) | 0.75                                | EAN Code                                  | 5025768237319  |
| Connectable conductor cross section -<br>Max (mm²) | 2.5                                 | Einzelverpackung Länge (cm)               | 117.0          |
| Lifetime data                                      |                                     | Einzelverpackung Breite (cm)              | 22.5           |
| Lebensdauer - L70B50                               | 120000                              | Einzelverpackung Tiefe (cm)               | 6.8            |
| Lebensdauer - L80B20                               | 120000                              | DUN 14 (außen)                            | 05025768237319 |
| Lebensdauer - L90B10                               | 60000                               | Anzahl an Einheiten je<br>Außenverpackung | 1              |
| Physikalische Daten                                |                                     | Außenverpackung Länge (cm)                | 117.0          |
| Gehäusefarbe                                       | RAL 9016 - Traffic white<br>/ Bezel | Außenverpackung Breite (cm)               | 22.5           |
| IP Schutzart                                       | IP20                                | Außenverpackung Tiefe (cm)                | 6.8            |
| IK Schutzart                                       | IK07                                | Safety data                               |                |
| Diffusor                                           | Matt/satinized                      | Glühdrahttest (°C)                        | 850            |
| Diffusormaterial                                   | PC Polycarbonate                    | Optimale Betriebstemperatur (°C)          | 10-25          |
| Reflektoroberfläche                                | High-gloss                          |                                           |                |
| Länge (mm)                                         | 1129                                |                                           |                |
| Breite (mm)                                        | 200                                 |                                           |                |
| Nominale Produkthöhe (mm)                          | 45                                  |                                           |                |
| Gewicht (kg)                                       | 4.8                                 |                                           |                |