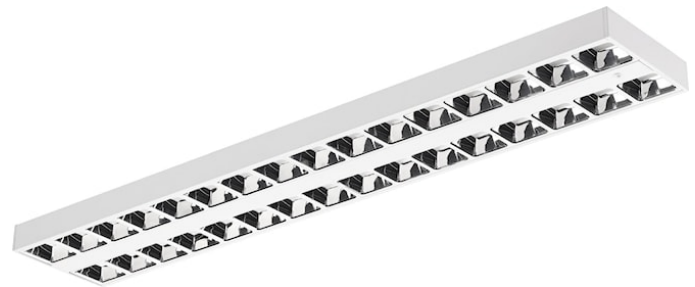
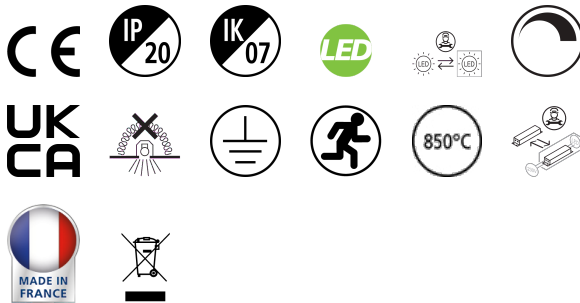


# OPTIX SURFACE 1200x200 2 LINE TW ALU DALI EM

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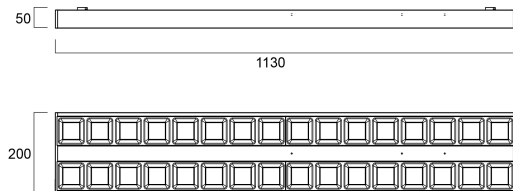
Concord



OPTIX SURFACE 1200x200 2 LINE TW ALU DALI EM 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 DT8 control for colour tuning. 3hr maintained emergency version. Tunable White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3200lm. Power consumption 33W. Luminaire efficacy 97lm/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.

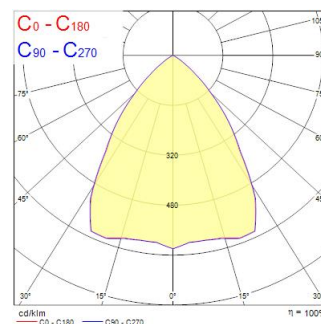
## Technische Werte

### Größe (mm)



### Photometrie

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Beam flux [lm] | Beam illuminance [lx] |
|--------------|-------------------|----------------|-------------------|----------------|----------------|-----------------------|
| 0.5          | 0.78              | 76.2°          | 0.78              | 0.38           | 793            | 1992                  |
| 1.0          | 1.55              | 76.2°          | 1.55              | 1.51           | 1992           | 1328                  |
| 1.5          | 2.33              | 76.2°          | 2.33              | 2.71           | 1328           | 881                   |
| 2.0          | 3.11              | 76.2°          | 3.11              | 3.81           | 881            | 519                   |
| 2.5          | 3.89              | 76.2°          | 3.89              | 4.81           | 519            | 311                   |
| 3.0          | 4.67              | 76.2°          | 4.67              | 5.81           | 311            | 199                   |



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## Allgemeine Daten

|                                 |                                                    |
|---------------------------------|----------------------------------------------------|
| Produktname                     | OPTIX SURFACE<br>1200x200 2 LINE TW<br>ALU DALI EM |
| Technologie                     | LED                                                |
| Sockel                          | N/A                                                |
| Gehäuse                         | Steel                                              |
| Montage                         | Ceiling surface<br>mounting                        |
| 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)        | 3200           |
| Systemeffizienz (lm/W)         | 97             |
| Lichtfarbe                     | Tuneable White |
| Farbwiedergabeindex (Ra)       | 80             |
| 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)                                | 33                             |
| Primary Supply/Product voltage - min (V)                    | 220                            |
| Primary Supply/Product voltage - max (V)                    | 240                            |
| Leistungsfaktor der Lampe                                   | 0.97                           |
| THD (bei 230V, 50Hz, bei 100% Dimm-Level)                   | 10                             |
| Elektrische Schutzklasse                                    | Class I                        |
| Vorschaltgerät benötigt                                     | No                             |
| Betriebsgerätetyp                                           | LED driver constant<br>current |
| Dimmbar                                                     | Yes                            |
| Dimming method                                              | DALI-2                         |
| Dimmbar bis (%)                                             | 1                              |
| Stromstärke (mA)                                            | 600                            |
| Einschaltstrom (A)                                          | 29                             |
| Dauer Einschaltstrom (µs)                                   | 180                            |
| Energy Efficiency Class (A->G) of<br>contained light source | D                              |
| Nennfrequenz (Hz)                                           | 50/60Hz                        |
| LED Flickering Rate                                         | Ultra low (5% or less)         |
| Max. Anzahl Leuchten pro 10A C<br>Sicherung                 | 21                             |
| Max. Anzahl Leuchten pro 13A C<br>Sicherung                 | 28                             |
| Max. Anzahl Leuchten pro 16A C<br>Sicherung                 | 36                             |
| Max. Anzahl Leuchten pro 20A C<br>Sicherung                 | 45                             |
| Max. Anzahl Leuchten pro 10A B<br>Sicherung                 | 13                             |
| Max. Anzahl Leuchten pro 13A B<br>Sicherung                 | 17                             |
| Max. Anzahl Leuchten pro 16A B<br>Sicherung                 | 22                             |

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|                                                 |                                  |                                        |                |
|-------------------------------------------------|----------------------------------|----------------------------------------|----------------|
| Max. Anzahl Leuchten pro 20A B Sicherung        | 27                               | Packaging                              |                |
| Connectable conductor cross section - Min (mm²) | 0.75                             | EAN Code                               | 5025768237654  |
| Connectable conductor cross section - 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)                         | 05025768237654 |
| Lebensdauer - L90B10                            | 60000                            | Anzahl an Einheiten je Außenverpackung | 1              |
| Physikalische Daten                             |                                  | Außenverpackung Länge (cm)             | 117.0          |
| Gehäusefarbe                                    | RAL 9016 - Traffic white / 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)                                    | 5.0                              |                                        |                |