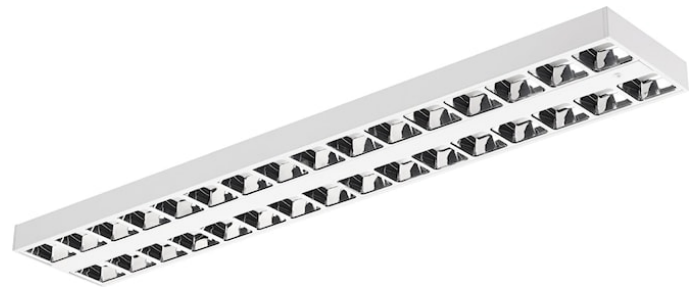
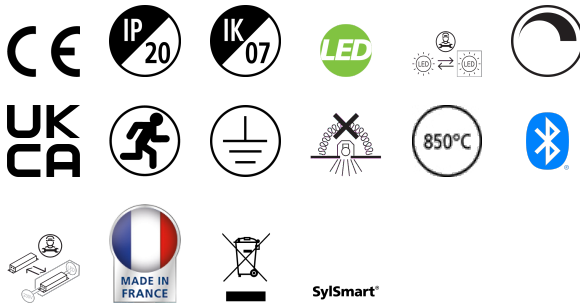


# OPTIX SURFACE 1200x200 2 LINE TW ALU SSC EM

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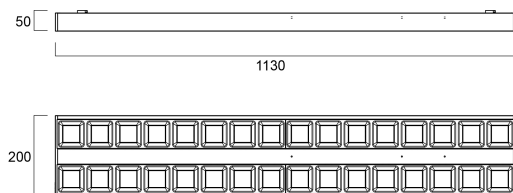
Concord



OPTIX SURFACE 1200x200 2 LINE TW ALU SSC 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. SylSmart Standalone 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 34W. Luminaire efficacy 94lm/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)

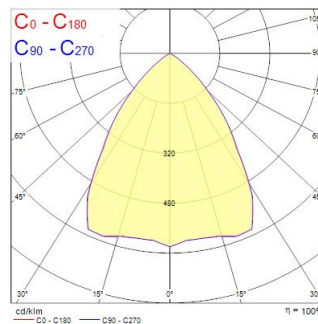


### Photometrie

| 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           | 733               |
| 1.0          | 1.56              | 75.2°          | 1.56              | 1.94           | 192               |
| 1.5          | 2.34              | 75.2°          | 2.34              | 2.91           | 128               |
| 2.0          | 3.12              | 75.2°          | 3.12              | 3.91           | 82                |
| 2.5          | 3.90              | 75.2°          | 3.90              | 4.91           | 51                |
| 3.0          | 4.78              | 75.2°          | 4.78              | 5.91           | 34                |

Distance [m] Cone diameter [m]  
— C0 - C180 (half beam angle: 75.2°)  
— C90 - C270 (half beam angle: 75.6°)

Luminance [cd/m²]



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## Allgemeine Daten

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Produktname                     | OPTIX SURFACE<br>1200x200 2 LINE TW<br>ALU SSC 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)         | 94             |
| 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)                                | 34                             |
| 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                                              | SylSmart Standalone<br>(SSC)   |
| 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<br>Sicherung        | 27                                  | Packaging                                 |                |
| Connectable conductor cross section -<br>Min (mm²) | 0.75                                | EAN Code                                  | 5025768237678  |
| 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)                            | 05025768237678 |
| 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)                                       | 5.0                                 |                                           |                |