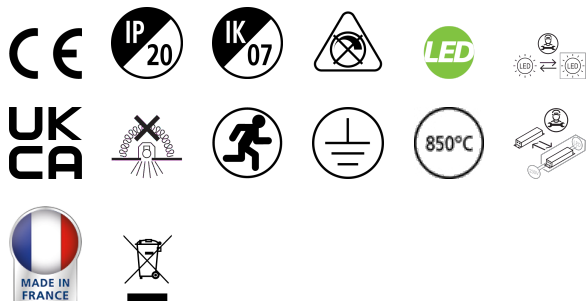


# OPTIX SURFACE 1200 MPO D HO 4000K EM

Artikelnummer 2021665

Concord



OPTIX SURFACE 1200 MPO D HO 4000K EM is a high efficacy low glare surface or suspended LED Linear luminaire with Micro Prismatic diffuser, with direct light distribution, luminaire dimensions: 1200x200x50mm, Sylvania White body colour (RAL9016), IP20, IK07, Constant current driver, 3hr maintained emergency version, low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 3550lm luminous flux, 33W power consumption, 107lm/W system efficacy, CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency, UGR<20, Luminance at 65° < 3000 cd/m2, lifespan: 58,000 hours L90B10, photobiological safety risk group 1. Electrical protection Class I.

## Technische Werte

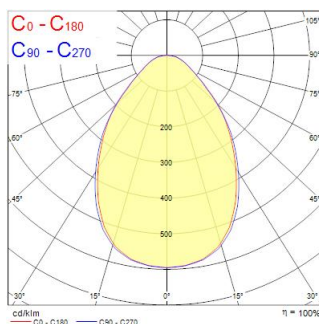
### Größe (mm)



### Photometrie

| Distance [m] | Cone diameter [m] | Beam diameter [m] | Beam angle [°] | Beam angle [°] | Beam angle [°] |
|--------------|-------------------|-------------------|----------------|----------------|----------------|
| 0.5          | 0.79              | 0.76              | 50.7°          | 50.7°          | 50.7°          |
| 1.0          | 1.57              | 1.52              | 50.7°          | 50.7°          | 50.7°          |
| 1.5          | 2.36              | 2.28              | 50.7°          | 50.7°          | 50.7°          |
| 2.0          | 3.15              | 3.04              | 50.7°          | 50.7°          | 50.7°          |
| 2.5          | 3.93              | 3.80              | 50.7°          | 50.7°          | 50.7°          |
| 3.0          | 4.72              | 4.55              | 50.7°          | 50.7°          | 50.7°          |

Distance [m] Cone diameter [m] Beam diameter [m] Beam angle [°] Beam angle [°] Beam angle [°]  
C0 - C180 (Half beam angle: 74.4°)  
C90 - C270 (Half beam angle: 76.4°)



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## Allgemeine Daten

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Produktname                     | OPTIX SURFACE 1200 MPO D HO 4000K EM |
| Technologie                     | LED                                  |
| Sockel                          | N/A                                  |
| Gehäuse                         | Steel                                |
| Montage                         | Ceiling surface mounting             |
| Built in presence detector      | NONE                                 |
| Allgemeine Anwendungsbereiche   | Education, Office                    |
| Umgebungstemperaturbereich      | 10°C...+25°C                         |
| Betriebstemperatur (°C)         | 25                                   |
| Virtual assistant compatibility | N/A                                  |
| ETIM Klasse                     | EC002892                             |
| Garantie                        | 5 Jahre                              |

## Optische Daten

|                                |               |
|--------------------------------|---------------|
| Leuchtenlichtstrom (lm)        | 3550          |
| Systemeffizienz (lm/W)         | 107           |
| Farbtemperatur (K)             | 4000          |
| Lichtfarbe                     | Neutral White |
| Farbwiedergabeindex (Ra)       | 80            |
| Farbkonsistenz (SDCM)          | SDCM3         |
| Distributionstyp               | Symmetric     |
| Blendungsbegrenzung            | < 20          |
| Photobiological Risk Group     | RG1           |
| Luminous flux (emergency) (lm) | 80            |
| Dauer Notbeleuchtung (h)       | 3             |

## Elektrische Daten

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Leistungsaufnahme gesamt (W)                             | 33                          |
| Primary Supply/Product voltage - min (V)                 | 220                         |
| Primary Supply/Product voltage - max (V)                 | 240                         |
| Leistungsfaktor der Lampe                                | 0.95                        |
| THD (bei 230V, 50Hz, bei 100% Dimm-Level)                | 20                          |
| Elektrische Schutzklasse                                 | Class I                     |
| Vorschaltgerät benötigt                                  | No                          |
| Betriebsgerätetyp                                        | LED driver constant current |
| Dimmbar                                                  | No                          |
| Dimming method                                           | N/A                         |
| Stromstärke (mA)                                         | 300                         |
| Einschaltstrom (A)                                       | 15                          |
| Dauer Einschaltstrom (µs)                                | 100                         |
| Energy Efficiency Class (A->G) of contained light source | C                           |
| Nennfrequenz (Hz)                                        | 50/60Hz                     |
| LED Flickering Rate                                      | Ultra low (5% or less)      |
| Max. Anzahl Leuchten pro 10A C Sicherung                 | 30                          |
| Max. Anzahl Leuchten pro 13A C Sicherung                 | 39                          |
| Max. Anzahl Leuchten pro 16A C Sicherung                 | 48                          |
| Max. Anzahl Leuchten pro 20A C Sicherung                 | 60                          |
| Max. Anzahl Leuchten pro 10A B Sicherung                 | 30                          |
| Max. Anzahl Leuchten pro 13A B Sicherung                 | 39                          |
| Max. Anzahl Leuchten pro 16A B Sicherung                 | 48                          |
| Max. Anzahl Leuchten pro 20A B Sicherung                 | 60                          |
| Connectable conductor cross section - Max (mm²)          | 1.5                         |

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## Lifetime data

|                      |        |
|----------------------|--------|
| Lebensdauer - L70B50 | 238000 |
| Lebensdauer - L80B20 | 130000 |
| Lebensdauer - L90B10 | 58000  |

## Physikalische Daten

|                           |                                  |
|---------------------------|----------------------------------|
| Gehäusefarbe              | RAL 9016 - Traffic white / Bezel |
| IP Schutzart              | IP20                             |
| IK Schutzart              | IK07                             |
| Diffusormaterial          | PMMA Acrylic                     |
| Länge (mm)                | 1200                             |
| Breite (mm)               | 200                              |
| Nominale Produkthöhe (mm) | 50                               |
| Gewicht (kg)              | 4.7                              |

## Packaging

|                                        |                |
|----------------------------------------|----------------|
| EAN Code                               | 5025768216659  |
| Einzelverpackung Länge (cm)            | 122.0          |
| Einzelverpackung Breite (cm)           | 22.5           |
| Einzelverpackung Tiefe (cm)            | 6.8            |
| DUN 14 (außen)                         | 05025768216659 |
| Anzahl an Einheiten je Außenverpackung | 1              |
| Außenverpackung Länge (cm)             | 122.0          |
| Außenverpackung Breite (cm)            | 22.5           |
| Außenverpackung Tiefe (cm)             | 6.8            |
| Safety data                            |                |
| Glühdrahttest (°C)                     | 850            |
| Optimale Betriebstemperatur (°C)       | 10-25          |