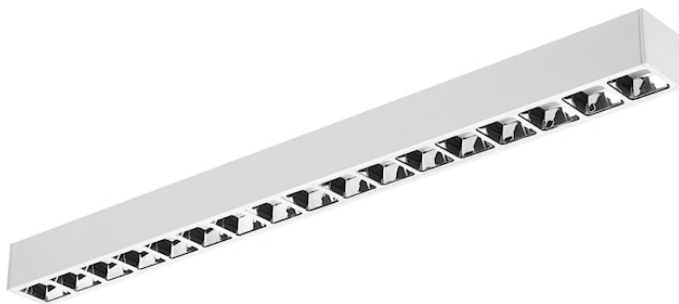
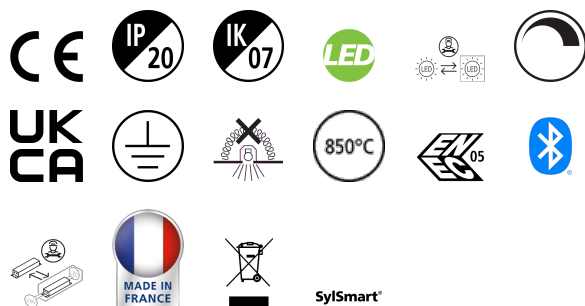


# OPTIX LINEAR SURFACE 1200 D/I 4000K ALU SSC

Item No: 2023815

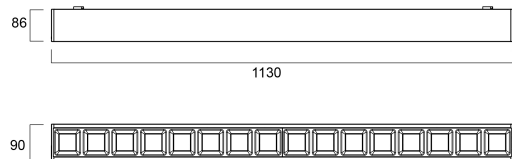
Concord



OPTIX LINEAR SURFACE 1200 D/I 4000K ALU SSC is a high efficacy low glare linear luminaire for office and education applications. Suitable for continuous light line installations with accessories separately available. Direct / Indirect lighting with 80% downlight and 20% uplight ratio for ceiling suspended mounting. Size: 1129x90x80mm. Aluminised plastic extra low glare optics in a single line configuration. White RAL9016 fixture body. SylSmart Standalone capable. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 4500lm. Power consumption 30W. Luminaire efficacy 150lm/W. Lifespan: 48,500 hours L90B10. UGR<19, Luminance at 65°<200 Cd/m2, IK07, IP20. Ultra Low Flicker: <5% Photobiological safety risk group 1. Electrical protection Class I. Glow wire test 850°C.

## Technical Assets

### Dimensions (mm)



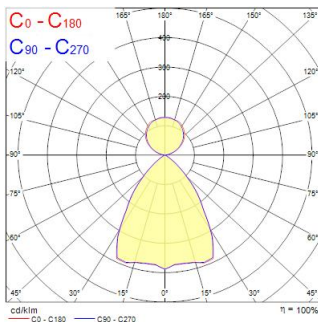
### Photometrics

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Beam flux [lm] | Beam illuminance [lx] |
|--------------|-------------------|----------------|-------------------|----------------|----------------|-----------------------|
| 0.5          | 0.78              | 75.0°          | 0.78              | 0.38           | 695            | 1825                  |
| 1.0          | 1.56              | 75.0°          | 1.56              | 1.53           | 1717           | 1122                  |
| 1.5          | 2.34              | 75.0°          | 2.34              | 3.41           | 2291           | 672                   |
| 2.0          | 3.11              | 75.0°          | 3.11              | 4.91           | 2707           | 551                   |
| 2.5          | 3.89              | 75.0°          | 3.89              | 5.98           | 2791           | 467                   |
| 3.0          | 4.67              | 75.0°          | 4.67              | 6.88           | 2841           | 413                   |

Distance [m] Cone diameter [m] Beam angle [°] Beam diameter [m] Beam area [m²] Beam flux [lm] Beam illuminance [lx]

— C0 - C180 (half beam angle: 75.0°)

— C90 - C270 (half beam angle: 75.0°)



# OPTIX LINEAR SURFACE 1200 D/I 4000K ALU SSC

Item No: 2023815

Concord

## General data

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| Product name                            | OPTIX LINEAR SURFACE<br>1200 D/I 4000K ALU SSC |
| Technology                              | LED                                            |
| Cap/Base                                | N/A                                            |
| Housing                                 | Steel                                          |
| Mount                                   | Suspended                                      |
| Built in presence detector              | NONE                                           |
| Fixture rating                          | Enclosed                                       |
| General application                     | Office, Education, Retail                      |
| Operating temperature range (°C)        | 10°C...+25°C                                   |
| Performance ambient temperature Tq (°C) | 25                                             |
| Virtual assistant compatibility         | N/A                                            |
| ETIM Class                              | EC002892                                       |
| Warranty                                | 5 years                                        |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 4500          |
| Luminaire efficacy (lm/W)         | 150           |
| 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        | RG1           |

## Electrical data

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| Emergency type                                                   |                                |
| Total power consumption (W)                                      | 30                             |
| 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 % | 9                              |
| Electrical protection                                            | Class I                        |
| Control gear required                                            | No                             |
| Control gear type                                                | LED driver constant current    |
| Dimmable                                                         | Yes                            |
| Dimming method                                                   | SylSmart Standalone (SSC)      |
| Minimum dimming level (%)                                        | 1                              |
| Drive current (mA)                                               | 200                            |
| Inrush Current (A)                                               | 22.4                           |
| Inrush Duration (µs)                                             | 176                            |
| 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                                  | 36                             |
| 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                                  | 22                             |
| Max. products per 20A B Breaker                                  | 27                             |
| Connectable conductor cross section - Min (mm²)                  | 0.75                           |
| Connectable conductor cross section - Max (mm²)                  | 2.5                            |

# OPTIX LINEAR SURFACE 1200 D/I 4000K ALU SSC

Item No: 2023815

Concord

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 120000 |
| Lifespan L80 B20 | 107500 |
| Lifespan L90 B10 | 48500  |

## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Matt/satinized                   |
| Diffuser material           | PC Polycarbonate                 |
| Reflector finish            | High-gloss                       |
| Nominal Product Length (mm) | 1129                             |
| Nominal Product Width (mm)  | 90                               |
| Nominal Product Height (mm) | 80                               |
| Weight (kg)                 | 3.55                             |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768238156  |
| Packaging single length / height (cm) | 119.0          |
| Packaging single width (cm)           | 10.0           |
| Packaging single depth (cm)           | 11.0           |
| DUN14 (inner)                         | 05025768238156 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 119.0          |
| Packaging outer width (cm)            | 10.0           |
| Packaging outer depth (cm)            | 11.0           |

## Safety data

|                                  |       |
|----------------------------------|-------|
| Glow Wire Test (°C)              | 850   |
| Optimal operating condition (°C) | 10-25 |