



### Features

• OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM is a high efficacy low glare linear luminaire for office and education applications. Suitable for continuous light line installations with accessories separately available. Surface and suspended mounting. Size: 1160x90x80mm. Aluminised plastic extra low glare optics in a single line 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 3100lm. Power consumption 30W. Luminaire efficacy 103lm/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.

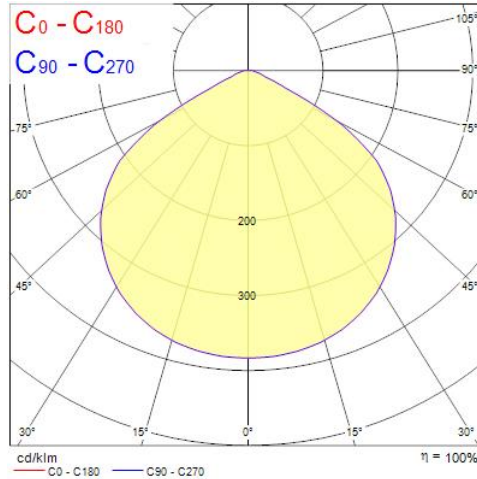
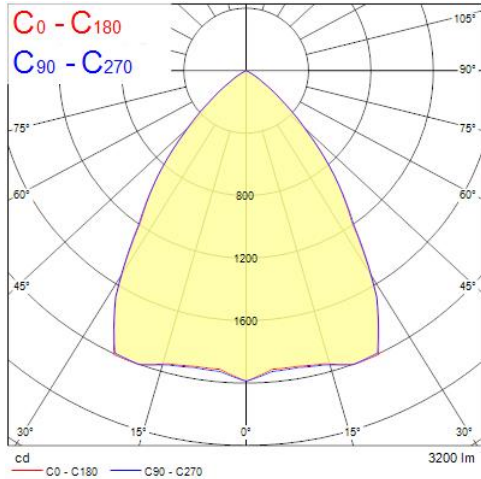
### Product Overview

|                                   |                                                |
|-----------------------------------|------------------------------------------------|
| Product name                      | OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM |
| Technology                        | LED (3 SDCM)                                   |
| Cap/Base                          | N/A                                            |
| Housing                           | Steel                                          |
| Mount                             | Ceiling surface mounting                       |
| Fixture rating                    | Enclosed                                       |
| General application               | Education, Office                              |
| ETIM Class                        | EC002892                                       |
| Fixture luminous flux (lm)        | 3100                                           |
| Luminaire efficacy (lm/W)         | 103                                            |
| Correlated colour temperature (k) | 4000                                           |
| Light colour                      | Neutral White                                  |
| CRI (Ra)                          | 90                                             |

## OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM 2023807

|                                 |                             |
|---------------------------------|-----------------------------|
| Colour Variation Initial (SDCM) | 3                           |
| Glare control                   | < 19                        |
| Photobiological Risk Group      | RG1                         |
| Luminous flux (emergency) (lm)  | 85                          |
| Total power consumption (W)     | 30                          |
| Electrical protection           | Class I                     |
| Control gear type               | LED driver constant current |
| Dimmable                        | Yes                         |
| LED Flickering Rate             | Ultra low (5% or less)      |
| Housing colour                  | RAL9016                     |
| IP rating                       | IP20                        |
| IK rating                       | IK07                        |
| Product EAN number              | 5025768238071               |
| Warranty                        | 5 years                     |
| Dimming method                  | DALI                        |

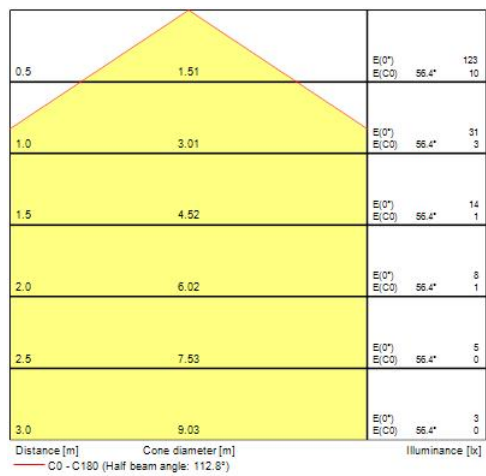
### Photometry



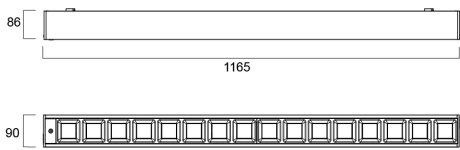
| Distance [m]                        | Cone diameter [m] | E(0°)<br>E(C90)<br>E(C0) | 25451<br>6288<br>6284   |
|-------------------------------------|-------------------|--------------------------|-------------------------|
| 0.5                                 | 0.78<br>0.78      | E(0°)<br>E(C90)<br>E(C0) | 38.1°<br>38.1°<br>38.0° |
| 1.0                                 | 1.57<br>1.56      | E(0°)<br>E(C90)<br>E(C0) | 38.1°<br>38.1°<br>38.0° |
| 1.5                                 | 2.35<br>2.34      | E(0°)<br>E(C90)<br>E(C0) | 38.1°<br>38.1°<br>38.0° |
| 2.0                                 | 3.14<br>3.13      | E(0°)<br>E(C90)<br>E(C0) | 38.1°<br>38.1°<br>38.0° |
| 2.5                                 | 3.92<br>3.91      | E(0°)<br>E(C90)<br>E(C0) | 38.1°<br>38.1°<br>38.0° |
| 3.0                                 | 4.70<br>4.69      | E(0°)<br>E(C90)<br>E(C0) | 38.1°<br>38.1°<br>38.0° |
| Distance [m]                        |                   | Illuminance [lx]         |                         |
| Cone diameter [m]                   |                   |                          |                         |
| C0 - C180 (Half beam angle: 76.0°)  |                   |                          |                         |
| C90 - C270 (Half beam angle: 76.2°) |                   |                          |                         |

# Concord

## OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM 2023807



### Technical drawings



### Data table

| GENERAL DATA                            |                                                |
|-----------------------------------------|------------------------------------------------|
| Product name                            | OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM |
| Technology                              | LED (3 SDCM)                                   |
| Cap/Base                                | N/A                                            |
| Housing                                 | Steel                                          |
| Mount                                   | Ceiling surface mounting                       |
| Fixture rating                          | Enclosed                                       |
| General application                     | Education, Office                              |
| Performance ambient temperature Tq (°C) | 25                                             |

## OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM 2023807

|            |          |
|------------|----------|
| ETIM Class | EC002892 |
| Warranty   | 5 years  |

### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 3100          |
| Luminaire efficacy (lm/W)         | 103           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 90            |
| Colour Variation Initial (SDCM)   | 3             |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG1           |
| Luminous flux (emergency) (lm)    | 85            |
| Emergency duration (h)            | 3             |

### ELECTRICAL DATA

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| 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                                                   | DALI                        |
| Drive current (mA)                                               | 275                         |
| Inrush Current (A)                                               | 29                          |
| Inrush Duration (µs)                                             | 180                         |
| Energy Efficiency Class (A->G) of contained light source         | D                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |

## OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM 2023807

|                                                                 |     |
|-----------------------------------------------------------------|-----|
| 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 -<br>Min (mm <sup>2</sup> ) | 2.5 |
| Connectable conductor cross section -<br>Max (mm <sup>2</sup> ) | 2.5 |

### LIFETIME DATA

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

### PHYSICAL DATA

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | RAL9016          |
| IP rating                   | IP20             |
| IK rating                   | IK07             |
| Diffuser finish             | Matt/satinized   |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 1160             |
| Nominal Product Width (mm)  | 90               |
| Nominal Product Height (mm) | 80               |
| Weight (kg)                 | 4.0              |

### PACKAGING

|                                       |               |
|---------------------------------------|---------------|
| Product EAN number                    | 5025768238071 |
| Packaging single length / height (cm) | 119.0         |
| Packaging single width (cm)           | 10.0          |
| Packaging single depth (cm)           | 11.0          |

## OPTIX LINEAR SURFACE 1200 4000K C9 ALU DALI EM 2023807

|                                      |                |
|--------------------------------------|----------------|
| DUN14 (inner)                        | 05025768238071 |
| 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

|                                     |    |
|-------------------------------------|----|
| Special purpose lamp                | No |
| Dry applications use only           | No |
| Suitable for household illumination | No |