

## Optix Linear Surface 1200 Direct

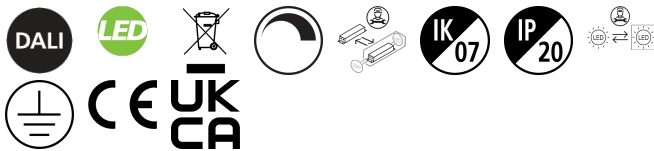
### OPTIX LINEAR SURFACE 1200 TW ALU DALI

#### 2023823



#### Product features

- OPTIX LINEAR SURFACE 1200 TW ALU DALI 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: 1129x90x80mm. Aluminised plastic extra low glare optics in a single line configuration. White RAL9016 fixture body. DALI DT8 colour control and dimming. Tunable white colour 3000-6000K, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 2200lm. Power consumption 21W. Luminaire efficacy 105lm/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 TW ALU DALI |
| Technology                      | LED (3 SDCM)                          |
| Cap/Base                        | N/A                                   |
| Housing                         | Steel                                 |
| Mount                           | Ceiling surface mounting              |
| Fixture rating                  | Enclosed                              |
| General application             | Education, Office                     |
| ETIM Class                      | EC002892                              |
| Warranty                        | 5 years                               |
| Fixture luminous flux (lm)      | 2200                                  |
| Luminous flux (lm)              | 2200                                  |
| Luminaire efficacy (lm/W)       | 105                                   |
| Colour temperature (K)          | 3000                                  |
| Light colour                    | Tuneable White                        |
| CRI (Ra)                        | 80                                    |
| Colour Variation Initial (SDCM) | SDCM3                                 |
| Glare control                   | < 16                                  |
| Photobiological Risk Group      | RG0                                   |
| Total power consumption (W)     | 21                                    |
| Electrical protection           | Class I                               |
| Control gear type               | Other                                 |
| Dimmable                        | Yes                                   |
| Dimming method                  | DALI                                  |
| LED Flickering Rate             | Ultra low (5% or less)                |
| Housing colour                  | RAL 9016 - Traffic white / Bezel      |
| IP rating                       | IP20                                  |
| IK rating                       | IK07                                  |
| Product EAN number              | 5025768238231                         |

#### DATA TABLE

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*OPTIX LINEAR SURFACE 1200 TW ALU DALI*  
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### General data

|  |                                       |
|--|---------------------------------------|
| <b>Product name</b>                            | OPTIX LINEAR SURFACE 1200 TW ALU DALI |
| <b>Technology</b>                              | LED (3 SDCM)                          |
| <b>Cap/Base</b>                                | N/A                                   |
| <b>Housing</b>                                 | Steel                                 |
| <b>Mount</b>                                   | Ceiling surface mounting              |
| <b>Fixture rating</b>                          | Enclosed                              |
| <b>General application</b>                     | Education, Office                     |
| <b>Performance ambient temperature Tq (°C)</b> | 25                                    |
| <b>ETIM Class</b>                              | EC002892                              |
| <b>Warranty</b>                                | 5 years                               |

### Optical data

|  |                |
|--|----------------|
| <b>Fixture luminous flux (lm)</b>              | 2200           |
| <b>Luminous flux (lm)</b>                      | 2200           |
| <b>Luminaire efficacy (lm/W)</b>               | 105            |
| <b>Colour temperature (K)</b>                  | 3000           |
| <b>Correlated colour temperature range (K)</b> | 3000 - 6000    |
| <b>Light colour</b>                            | Tuneable White |
| <b>CRI (Ra)</b>                                | 80             |
| <b>Colour Variation Initial (SDCM)</b>         | SDCM3          |
| <b>Glare control</b>                           | < 16           |
| <b>Photobiological Risk Group</b>              | RG0            |

### Electrical data

|   |                        |
|---|------------------------|
| <b>Total power consumption (W)</b>                                    | 21                     |
| <b>Mains voltage (V)</b>  | 220-240V               |
| <b>Lamp power factor</b>  | 0.97                   |
| <b>THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %</b> | 10                     |
| <b>Electrical protection</b>  | Class I                |
| <b>Control gear required</b>  | No                     |
| <b>Control gear type</b>  | Other                  |
| <b>Transformer required</b>   | No                     |
| <b>Dimmable</b>   | Yes                    |
| <b>Dimming method</b>   | DALI                   |
| <b>Drive current (mA)</b>   | 400                    |
| <b>Inrush Current (A)</b>   | 29                     |
| <b>Inrush Duration (µs)</b>   | 180                    |
| <b>Energy Efficiency Class (A-&gt;G) of contained light source</b>    | D                      |
| <b>Nominal Frequency (Hz)</b>   | 50/60Hz                |
| <b>LED Flickering Rate</b>  | Ultra low (5% or less) |
| <b>Max. Luminaires per 10A C Breaker</b>                              | 21                     |
| <b>Max. Luminaires per 13A C Breaker</b>                              | 28                     |
| <b>Max. Luminaires per 16A C Breaker</b>                              | 36                     |
| <b>Max. Luminaires per 20A C Breaker</b>                              | 45                     |
| <b>Max. Luminaires per 10A B Breaker</b>                              | 13                     |
| <b>Max. Luminaires per 13A B Breaker</b>                              | 17                     |

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2023823

|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 16A B Breaker | 22 |
| Max. Luminaires per 20A B Breaker | 27 |

### Lifetime data

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

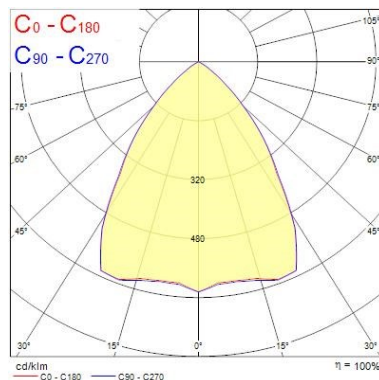
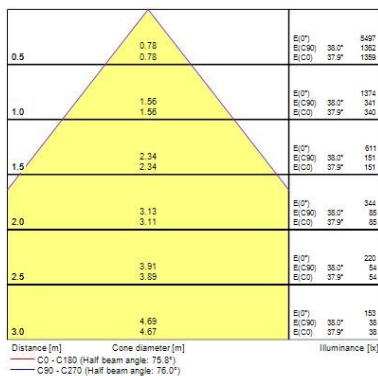
### Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Matt/satinized                   |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1129                             |
| Nominal Product Width (mm)  | 90                               |
| Nominal Product Height (mm) | 80                               |
| Weight (kg)                 | 3.25                             |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768238231  |
| Packaging single length / height (cm) | 119.0          |
| Packaging single width (cm)           | 10.0           |
| Packaging single depth (cm)           | 11.0           |
| DUN14 (outer)                         | 05025768238231 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 119.0          |
| Packaging outer width (cm)            | 10.0           |
| Packaging outer depth (cm)            | 11.0           |

## PHOTOMETRY



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### TECHNICAL DRAWINGS

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