

## Optix Linear Surface 1200 Direct

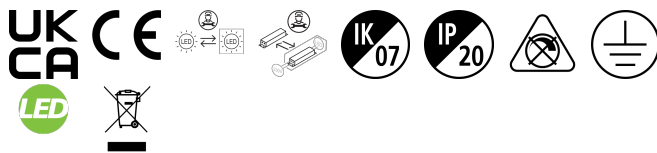
### OPTIX LINEAR SURFACE 1200 3000K ALU

#### 2023797



#### Product features

- OPTIX LINEAR SURFACE 1200 3000K ALU 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. Constant current driver. 3000K Warm White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3200lm. Power consumption 27W. Luminaire efficacy 119lm/W. Lifespan: 48,500 hours L90B10. UGR<19, Luminance at 65°<200 Cd/m<sup>2</sup>, 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 3000K ALU
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)	3200
Luminous flux (lm)	3200
Luminaire efficacy (lm/W)	119
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	27
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5025768237975

#### DATA TABLE

## Optix Linear Surface 1200 Direct

### OPTIX LINEAR SURFACE 1200 3000K ALU

### 2023797

#### General data

Product name	OPTIX LINEAR SURFACE 1200 3000K ALU
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
ETIM Class	EC002892
Warranty	5 years

#### Optical data

Fixture luminous flux (lm)	3200
Luminous flux (lm)	3200
Luminaire efficacy (lm/W)	119
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG1

#### Electrical data

Total power consumption (W)	27
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	8
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Transformer required	No
Dimmable	No
Dimming method	N/A
Drive current (mA)	500
Inrush Current (A)	25
Inrush Duration (µs)	250
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	27
Max. Luminaires per 13A C Breaker	35
Max. Luminaires per 16A C Breaker	45
Max. Luminaires per 20A C Breaker	58
Max. Luminaires per 10A B Breaker	16
Max. Luminaires per 13A B Breaker	21
Max. Luminaires per 16A B Breaker	27

## Optix Linear Surface 1200 Direct

### OPTIX LINEAR SURFACE 1200 3000K ALU

#### 2023797

Max. Luminaires per 20A B Breaker 35

#### Lifetime data

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

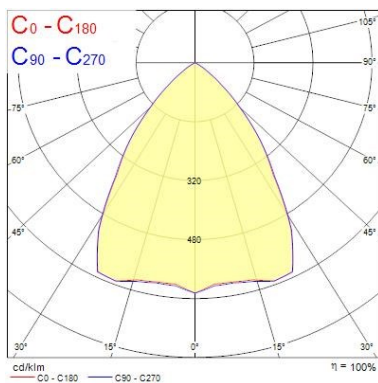
#### Physical data

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	5025768237975
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768237975
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



Distance [m]	Cone diameter [m]	E <sub>v</sub> [lx]	E <sub>v</sub> (C90) [lx]	E <sub>v</sub> (C0) [lx]
0.5	0.78	8001	38.0° 1981	37.8° 1987
1.0	1.55	2000	38.0° 486	37.8° 499
1.5	2.34	889	38.0° 320	37.8° 332
2.0	3.13	500	38.0° 225	37.8° 237
2.5	3.91	320	38.0° 159	37.8° 169
3.0	4.69	222	38.0° 115	37.8° 122

Distance [m]    Cone diameter [m]    Illuminance [lx]  
 — C0 - C180 (Half beam angle: 75.0°)  
 — C90 - C270 (Half beam angle: 76.0°)

## TECHNICAL DRAWINGS

## Optix Linear Surface 1200 Direct

*OPTIX LINEAR SURFACE 1200 3000K ALU*  
2023797

---

