

## Optix Linear Surface 1200 Direct

### OPTIX LINEAR SURFACE 1200 4000K ALU DALI

### 2023800

#### Product features

- OPTIX LINEAR SURFACE 1200 4000K 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 dimmable. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3400lm. Power consumption 26W. Luminaire efficacy 131lm/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 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)	3400
Luminous flux (lm)	3400
Luminaire efficacy (lm/W)	131
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	26
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	5025768238002

#### DATA TABLE

## Optix Linear Surface 1200 Direct

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#### General data

Product name	OPTIX LINEAR SURFACE 1200 4000K ALU DALI
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)	3400
Luminous flux (lm)	3400
Luminaire efficacy (lm/W)	131
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG1

#### Electrical data

Total power consumption (W)	26
Mains voltage (V)	220-240V
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	Other
Transformer required	No
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	250
Inrush Current (A)	29
Inrush Duration (µs)	180
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	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 16A C Breaker	36
Max. Luminaires per 20A C Breaker	45
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 13A B Breaker	17
Max. Luminaires per 16A B Breaker	22

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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

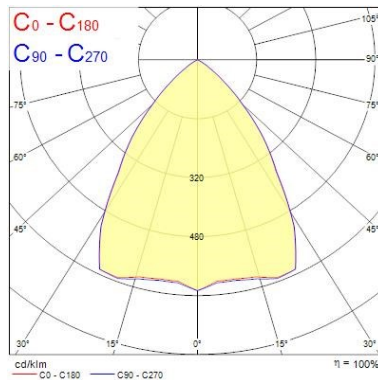
Single packaging type	Carton
Product EAN number	5025768238002
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768238002
Units per outer package	1
Packaging outer length / height (cm)	119.0
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	11.0

## PHOTOMETRY

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.78 0.78	8522	2109	2115
1.0	1.56 1.56	2130	527	529
1.5	2.34 2.34	947	234	235
2.0	3.13 3.11	539	132	132
2.5	3.91 3.89	341	84	85
3.0	4.69 4.67	237	59	59

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 76.0°)  
— C90 - C270 (Half beam angle: 76.0°)



## TECHNICAL DRAWINGS

## Optix Linear Surface 1200 Direct

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