

Optix Linear Surface 1200 Direct

OPTIX LINEAR SURFACE 1200 3000K ALU DALI

2023798



Product features

- OPTIX LINEAR SURFACE 1200 3000K 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. 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/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 3000K 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)	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	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	5025768237982

DATA TABLE

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General data

Product name	OPTIX LINEAR SURFACE 1200 3000K 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)	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	0.98
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

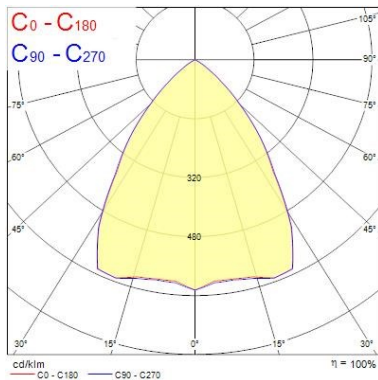
Physical data

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	5025768237982
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768237982
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 _v [lx]	E _v (C90) [lx]	E _v (C0) [lx]
0.5	0.78	8001	38.0° 1981	37.8° 1987
1.0	1.55	2000	38.0° 496	37.8° 499
1.5	2.34	889	38.0° 333	37.8° 332
2.0	3.13	500	38.0° 251	37.8° 252
2.5	3.91	320	38.0° 179	37.8° 180
3.0	4.69	222	38.0° 135	37.8° 136

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

— C0 - C180 (Half beam angle: 75.0°)
— C90 - C270 (Half beam angle: 76.0°)

TECHNICAL DRAWINGS

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