

Features

• OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM is a high efficacy low glare linear luminaire for office and education applications. Suitable for continuous light line installations with accessories separately available. Direct / Indirect lighting with 80% downlight and 20% uplight ratio for ceiling suspended mounting. Size: 1160x90x80mm. Aluminised plastic extra low glare optics in a single line configuration. White RAL9016 fixture body. Constant current driver. 3hr maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 4500lm. Power consumption 31W. Luminaire efficacy 145lm/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.

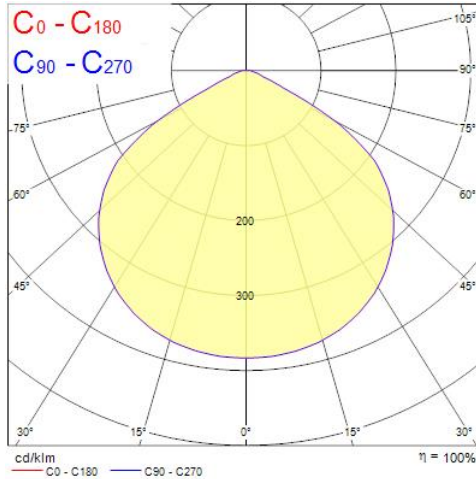
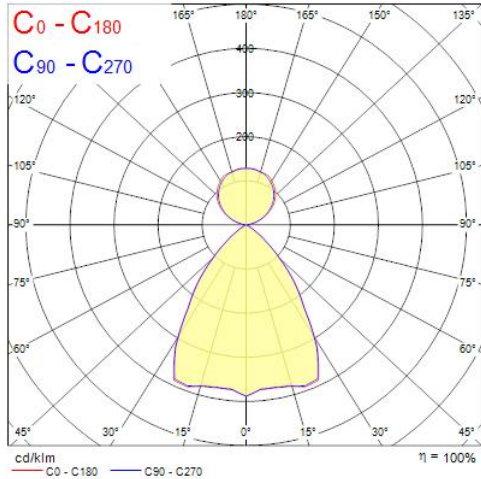
Product Overview

Product name	OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	4500
Luminaire efficacy (lm/W)	145
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM 2023813

Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85
Total power consumption (W)	31
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Product EAN number	5025768238132
Warranty	5 years
Dimming method	N/A

Photometry

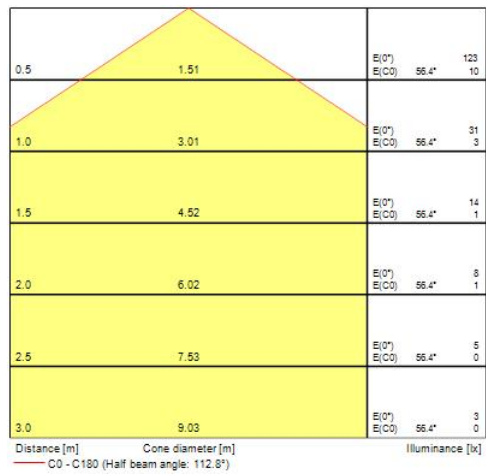


0.5	0.78 0.78	E(0°) E(C90) E(C0)	37.9° 38.0°	6986 1717 1725
1.0	1.56 1.56	E(0°) E(C90) E(C0)	37.9° 38.0°	1747 429 431
1.5	2.34 2.34	E(0°) E(C90) E(C0)	37.9° 38.0°	778 191 192
2.0	3.11 3.13	E(0°) E(C90) E(C0)	37.9° 38.0°	437 107 108
2.5	3.89 3.91	E(0°) E(C90) E(C0)	37.9° 38.0°	279 69 69
3.0	4.67 4.69	E(0°) E(C90) E(C0)	37.9° 38.0°	194 48 48

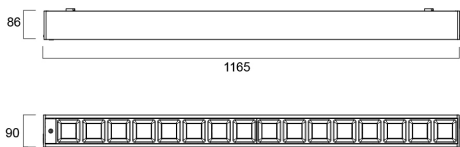
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 76.0°)
— C90 - C270 (Half beam angle: 75.5°)

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM
2023813



Technical drawings



Data table

GENERAL DATA

Product name	OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
General application	Education, Office
Operating temperature range (°C)	10°C...+25°C
Performance ambient temperature Tq (°C)	25

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM 2023813

ETIM Class	EC002892
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4500
Luminaire efficacy (lm/W)	145
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Distribution type	Symmetric
Glare control	< 16
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	31
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
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
Dimmable	No
Dimming method	N/A
Drive current (mA)	600
Inrush Current (A)	25
Inrush Duration (µs)	250
Energy Efficiency Class (A->G) of contained light source	C, C(more than 1 Light Source)
Nominal Frequency (Hz)	50/60Hz

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM 2023813

LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	27
Max. products per 13A C Breaker	35
Max. products per 16A C Breaker	45
Max. products per 20A C Breaker	58
Max. products per 10A B Breaker	16
Max. products per 13A B Breaker	21
Max. products per 16A B Breaker	27
Max. products per 20A B Breaker	35
Connectable conductor cross section - Min (mm ²)	2.5
Connectable conductor cross section - Max (mm ²)	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)	4.25

PACKAGING

Product EAN number	5025768238132
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0

Concord

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU EM 2023813

Packaging single depth (cm)	11.0
DUN14 (inner)	05025768238132
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

Optimal operating condition (°C)	10-25
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No