



Features

• OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM 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: 1160x90x80mm. Aluminised plastic extra low glare optics in a single line configuration. White RAL9016 fixture body. SylSmart Standalone capable. 3hr maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3400lm. Power consumption 27.5W. Luminaire efficacy 124lm/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.

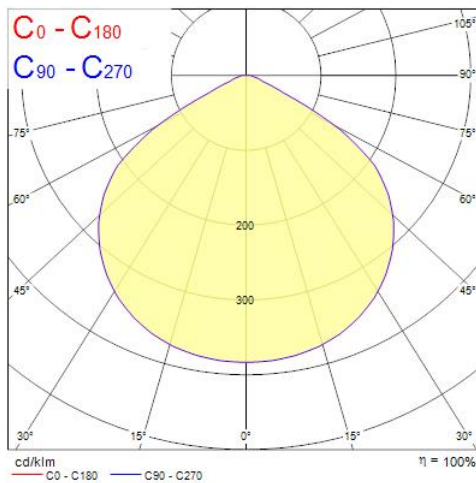
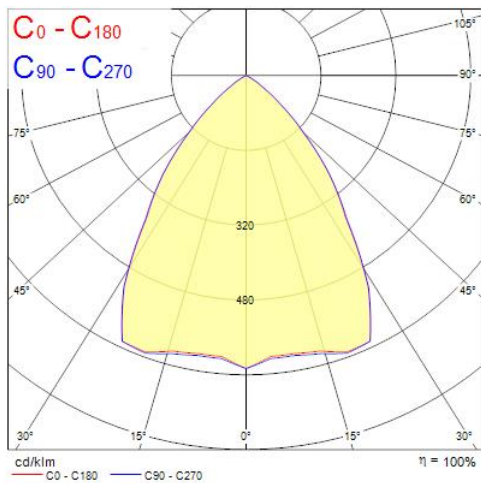
Product Overview

Product name	OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Fixture rating	Enclosed
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	3400
Luminaire efficacy (lm/W)	124
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3

OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM 2023805

Glare control	< 19
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85
Total power consumption (W)	27.5
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Product EAN number	5025768238057
Warranty	5 years
Dimming method	SylSmart SSC

Photometry



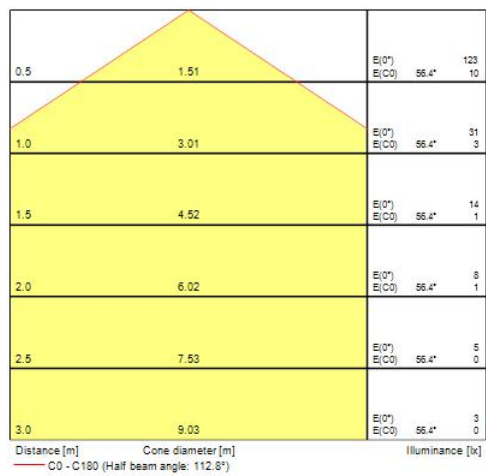
0.5	0.78 0.78	E(0°) E(C90) E(C0)	38.0° 37.9°	8522 2109 2115
1.0	1.56 1.56	E(0°) E(C90) E(C0)	38.0° 37.9°	2130 527 529
1.5	2.34 2.34	E(0°) E(C90) E(C0)	38.0° 37.9°	947 234 235
2.0	3.13 3.11	E(0°) E(C90) E(C0)	38.0° 37.9°	533 132 132
2.5	3.91 3.89	E(0°) E(C90) E(C0)	38.0° 37.9°	341 84 85
3.0	4.69 4.67	E(0°) E(C90) E(C0)	38.0° 37.9°	237 59 59

Distance [m] Cone diameter [m]

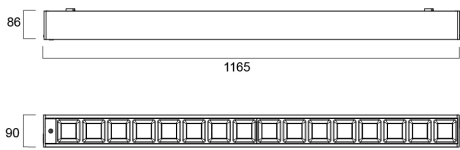
C0 - C180 (Half beam angle: 75.8°)
C90 - C270 (Half beam angle: 76.0°)

Illuminance [lx]

OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM
2023805



Technical drawings



Data table

GENERAL DATA

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

OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM 2023805

Performance ambient temperature Tq (°C)	25
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ETIM Class	EC002892
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Warranty	5 years
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OPTICAL DATA

Fixture luminous flux (lm)	3400
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Luminaire efficacy (lm/W)	124
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Correlated colour temperature (k)	4000
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Light colour	Neutral White
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CRI (Ra)	80
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Colour Variation Initial (SDCM)	3
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Distribution type	Symmetric
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Glare control	< 19
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Photobiological Risk Group	RG1
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Luminous flux (emergency) (lm)	85
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Emergency duration (h)	3
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ELECTRICAL DATA

Total power consumption (W)	27.5
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Primary Supply/Product voltage - min (V)	220
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Primary Supply/Product voltage - max (V)	240
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Lamp power factor	0.98
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THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	9
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Electrical protection	Class I
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Control gear required	No
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Control gear type	LED driver constant current
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Dimmable	Yes
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Dimming method	SylSmart SSC
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Drive current (mA)	250
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Inrush Current (A)	29
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Inrush Duration (µs)	180
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OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM 2023805

Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	21
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	36
Max. products per 20A C Breaker	45
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17
Max. products per 16A B Breaker	22
Max. products per 20A B Breaker	27
Connectable conductor cross section - Min (mm²)	2.5
Connectable conductor cross section - Max (mm²)	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)	4.0

PACKAGING

OPTIX LINEAR SURFACE 1200 4000K ALU SSC EM 2023805

Product EAN number	5025768238057
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (inner)	05025768238057
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

Glow Wire Test (°C)	850
Optimal operating condition (°C)	10-25
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No