

Features

• OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI 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. DALI dimmable. 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.

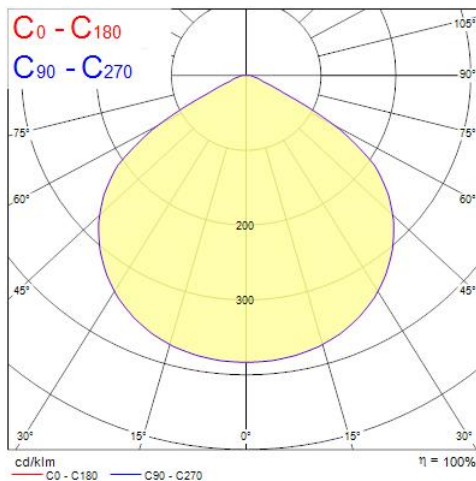
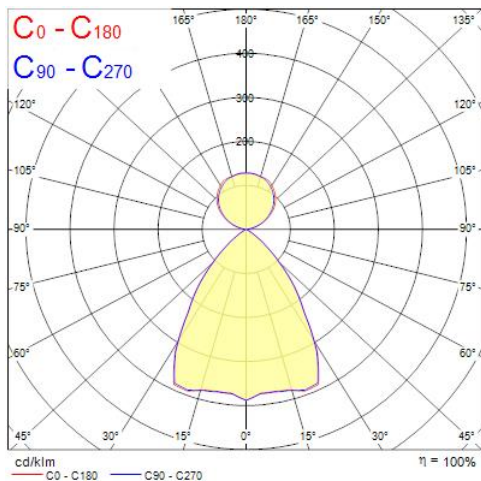
Product Overview

Product name	OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI 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

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI EM 2023812

CRI (Ra)	80
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	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Product EAN number	5025768238125
Warranty	5 years
Dimming method	DALI

Photometry

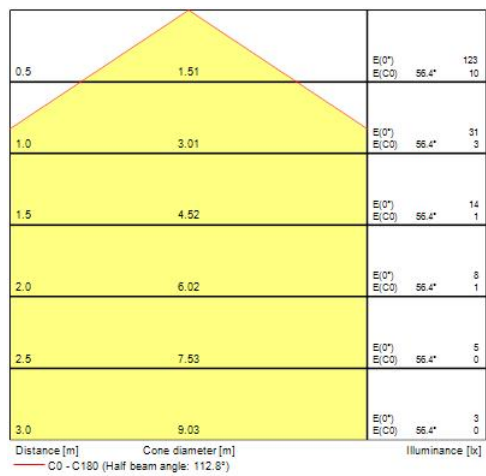


0.5	0.78	0.78	E(0°)	37.9°	1717
			E(C90)	38.0°	1725
			E(C0)		
1.0	1.56	1.56	E(0°)	37.9°	429
			E(C90)	38.0°	431
			E(C0)		
1.5	2.34	2.34	E(0°)	37.9°	191
			E(C90)	38.0°	192
			E(C0)		
2.0	3.11	3.13	E(0°)	37.9°	107
			E(C90)	38.0°	108
			E(C0)		
2.5	3.89	3.91	E(0°)	37.9°	69
			E(C90)	38.0°	69
			E(C0)		
3.0	4.67	4.69	E(0°)	37.9°	45
			E(C90)	38.0°	45
			E(C0)		

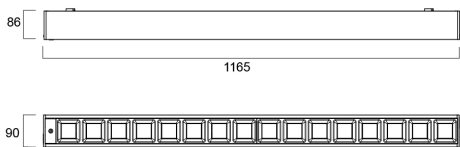
Concord

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

2023812



Technical drawings



Data table

GENERAL DATA	
Product name	OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI 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

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI EM 2023812

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)	4500
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Luminaire efficacy (lm/W)	145
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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	< 16
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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)	31
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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	DALI
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Drive current (mA)	200
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Inrush Current (A)	29
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Inrush Duration (µs)	180
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OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI EM 2023812

Energy Efficiency Class (A->G) of contained light source	C, C(more than 1 Light Source)
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 (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

OPTIX LINEAR SURFACE 1200 D/I 4000K ALU DALI EM 2023812

Product EAN number	5025768238125
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (inner)	05025768238125
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