



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 34W. Luminaire efficacy 132lm/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.

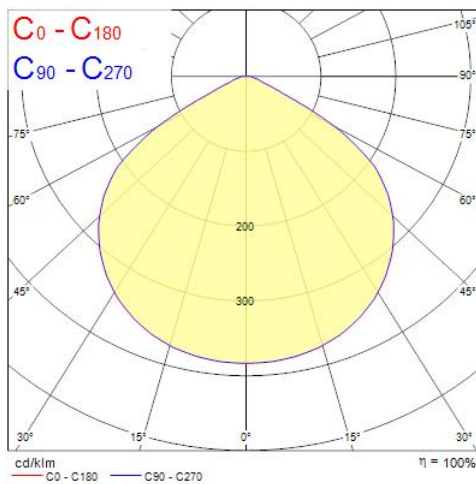
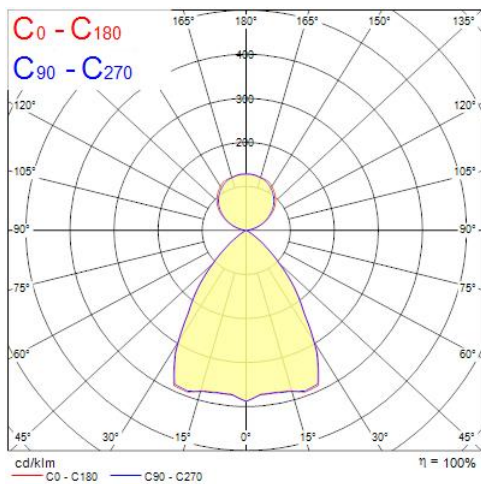
Product Overview

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
Fixture luminous flux (lm)	4500
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG1

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Luminous flux (emergency) (lm)	85
Total power consumption (W)	34
Electrical protection	Class I
Control gear type	LED driver constant current
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5025768238125
Warranty	5 years

Photometry



Distance [m]	Cone diameter [m]	Beam angle [°]	Beam angle [°]	Illuminance [lx]
0.5	0.78	0.78	37.9°	6966
1.0	1.56	1.56	37.9°	1717
1.5	2.34	2.34	37.9°	429
2.0	3.11	3.11	37.9°	107
2.5	3.89	3.89	37.9°	69
3.0	4.67	4.67	37.9°	45

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

— C0 - C180 (Half beam angle: 76.0°) — C90 - C270 (Half beam angle: 75.9°)

Distance [m]	Cone diameter [m]	Beam angle [°]	Beam angle [°]	Illuminance [lx]
0.5	1.51	1.51	56.4°	123
1.0	3.01	3.01	56.4°	31
1.5	4.52	4.52	56.4°	14
2.0	6.02	6.02	56.4°	8
2.5	7.53	7.53	56.4°	5
3.0	9.03	9.03	56.4°	3

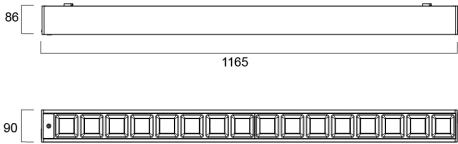
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 112.5°)

Concord

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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
Performance ambient temperature Tq (°C)	25
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4500
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85

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Emergency duration (h)	3
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ELECTRICAL DATA

Total power consumption (W)	34
Primary Supply/Product voltage - min (V)	198.0
Lamp power factor	0.98
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	200
Inrush Current (A)	29
Inrush Duration (µs)	180
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 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	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized
Diffuser material	PC Polycarbonate

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Nominal Product Length (mm)	1160
Nominal Product Width (mm)	90
Weight (kg)	4.25

PACKAGING

Single packaging type	Carton
Product EAN number	5025768238125
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768238125
Packaging outer length / height (cm)	119.0

SAFETY DATA

Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No