

Concord

OPTIX LINEAR SURFACE 1200 D/I TW ALU DALI EM

2023820



Features

- OPTIX LINEAR SURFACE 1200 D/I TW 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. 3hr maintained emergency version. DALI DT8 colour control and dimming. Tunable white colour 3000-6000K, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3700lm. Power consumption 34W. Luminaire efficacy 109lm/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 TW ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
Fixture luminous flux (lm)	3700
Luminaire efficacy (lm/W)	109
Light colour	Tunable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG0

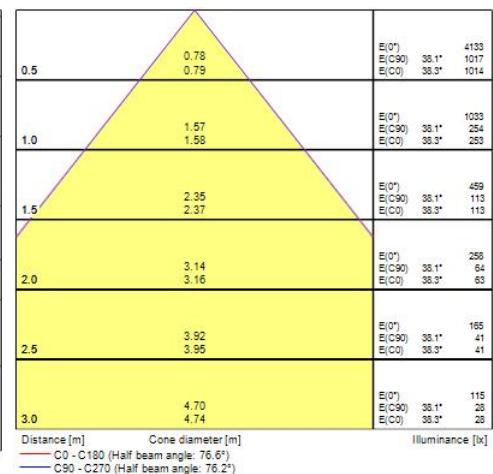
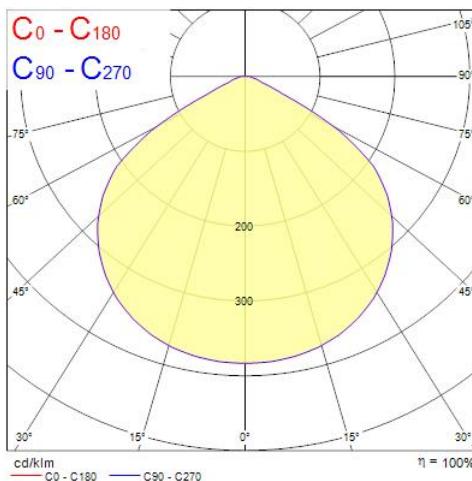
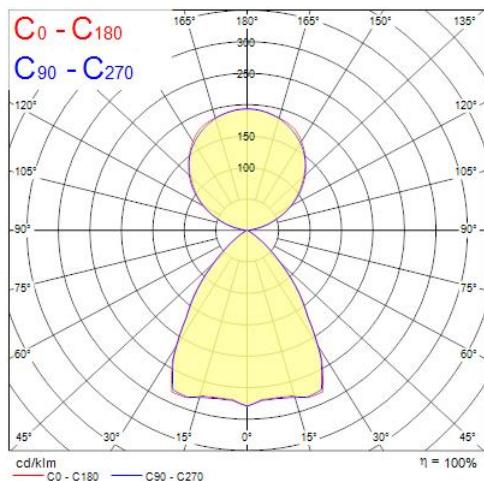
Concord
by SYLVANIA

Concord

OPTIX LINEAR SURFACE 1200 D/I TW ALU DALI EM 2023820

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	5025768238200
Warranty	5 years

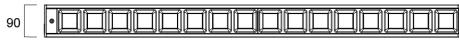
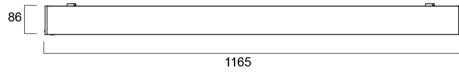
Photometry



Concord

OPTIX LINEAR SURFACE 1200 D/I TW ALU DALI EM 2023820

Technical drawings



Data table

GENERAL DATA

Product name	OPTIX LINEAR SURFACE 1200 D/I TW 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)	3700
Luminaire efficacy (lm/W)	109
Correlated colour temperature range (K)	3000 - 6000
Light colour	Tunable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	85

Concord

OPTIX LINEAR SURFACE 1200 D/I TW ALU DALI EM 2023820

Emergency duration (h)	3
------------------------	---

ELECTRICAL DATA

Total power consumption (W)	34
Primary Supply/Product voltage - min (V)	198.0
Lamp power factor	0.97
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	600
Inrush Current (A)	29
Inrush Duration (μs)	180
Energy Efficiency Class (A->G) of contained light source	D
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 (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	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized
Diffuser material	PC Polycarbonate

Concord

OPTIX LINEAR SURFACE 1200 D/I TW ALU DALI EM 2023820

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

PACKAGING

Single packaging type	Carton
Product EAN number	5025768238200
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768238200
Packaging outer length / height (cm)	119.0

SAFETY DATA

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