



Features

• OPTIX SURFACE 1200x200 2 LINE D/I TW ALU DALI EM is a high efficacy low glare luminaire for office and education applications. Direct / Indirect lighting with 80% downlight and 20% uplight ratio for ceiling suspended mounting. Size: 1129x200x45mm. Aluminised plastic extra low glare optics in 2 lines configuration. White RAL9016 fixture body. DALI DT8 control for colour tuning. 3hr maintained emergency version. Tunable White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3700lm. Power consumption 34W. Luminaire efficacy 109lm/W. Lifespan: 60,000 hours L90B10. UGR<16, Luminance at 65°<200 Cd/m2, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.

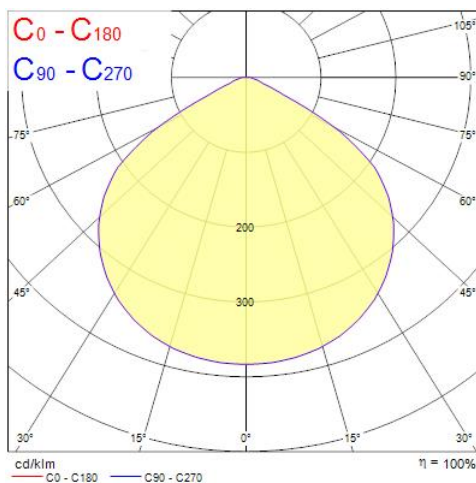
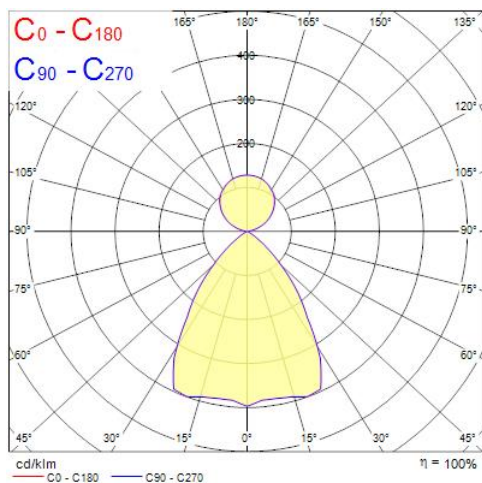
Product Overview

Product name	OPTIX SURFACE 1200x200 2 LINE D/I TW 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)	3700
Luminaire efficacy (lm/W)	109
Light colour	Tuneable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16

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Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Total power consumption (W)	34
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	5025768237579
Warranty	5 years
Dimming method	DALI

Photometry

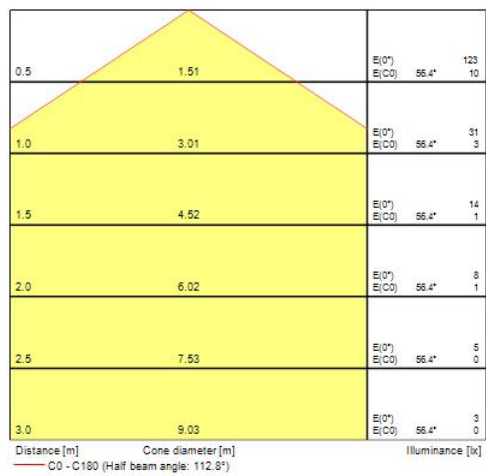


Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.78	5573	37.9°	38.1°	1457
1.0	1.56	1468	37.9°	38.1°	361
1.5	2.34	653	37.9°	38.1°	162
2.0	3.11	357	37.9°	38.1°	91
2.5	3.89	235	37.9°	38.1°	58
3.0	4.67	163	37.9°	38.1°	40

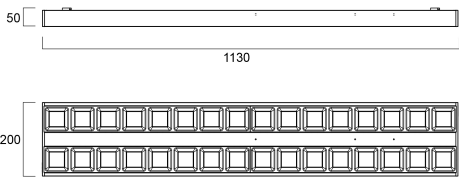
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 76.2°) — C90 - C270 (Half beam angle: 75.8°)

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Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1200x200 2 LINE D/I TW 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

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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)	3700
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Luminaire efficacy (lm/W)	109
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Light colour	Tuneable 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	RG0
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Luminous flux (emergency) (lm)	80
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Emergency duration (h)	3
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ELECTRICAL DATA

Total power consumption (W)	34
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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	0.95
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THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	10
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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)	23
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Inrush Duration (µs)	290
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Energy Efficiency Class (A->G) of contained light source	D
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Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	13
Max. products per 16A C Breaker	19
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	120000
Lifespan L90 B10	60000

PHYSICAL DATA

Housing colour	RAL9016
IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1129
Nominal Product Width (mm)	200
Nominal Product Height (mm)	45
Weight (kg)	4.8

PACKAGING

Product EAN number	5025768237579
Packaging single length / height (cm)	117.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768237579
Units per outer package	1
Packaging outer length / height (cm)	117.0
Packaging outer width (cm)	22.5

Concord

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2023757

Packaging outer depth (cm)	6.8
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