

Features

• OPTIX SURFACE 1200x200 2 LINE TW ALU DALI EM is a high efficacy low glare luminaire for office and education applications. Suitable for surface and 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 3200lm. Power consumption 33W. Luminaire efficacy 97lm/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.

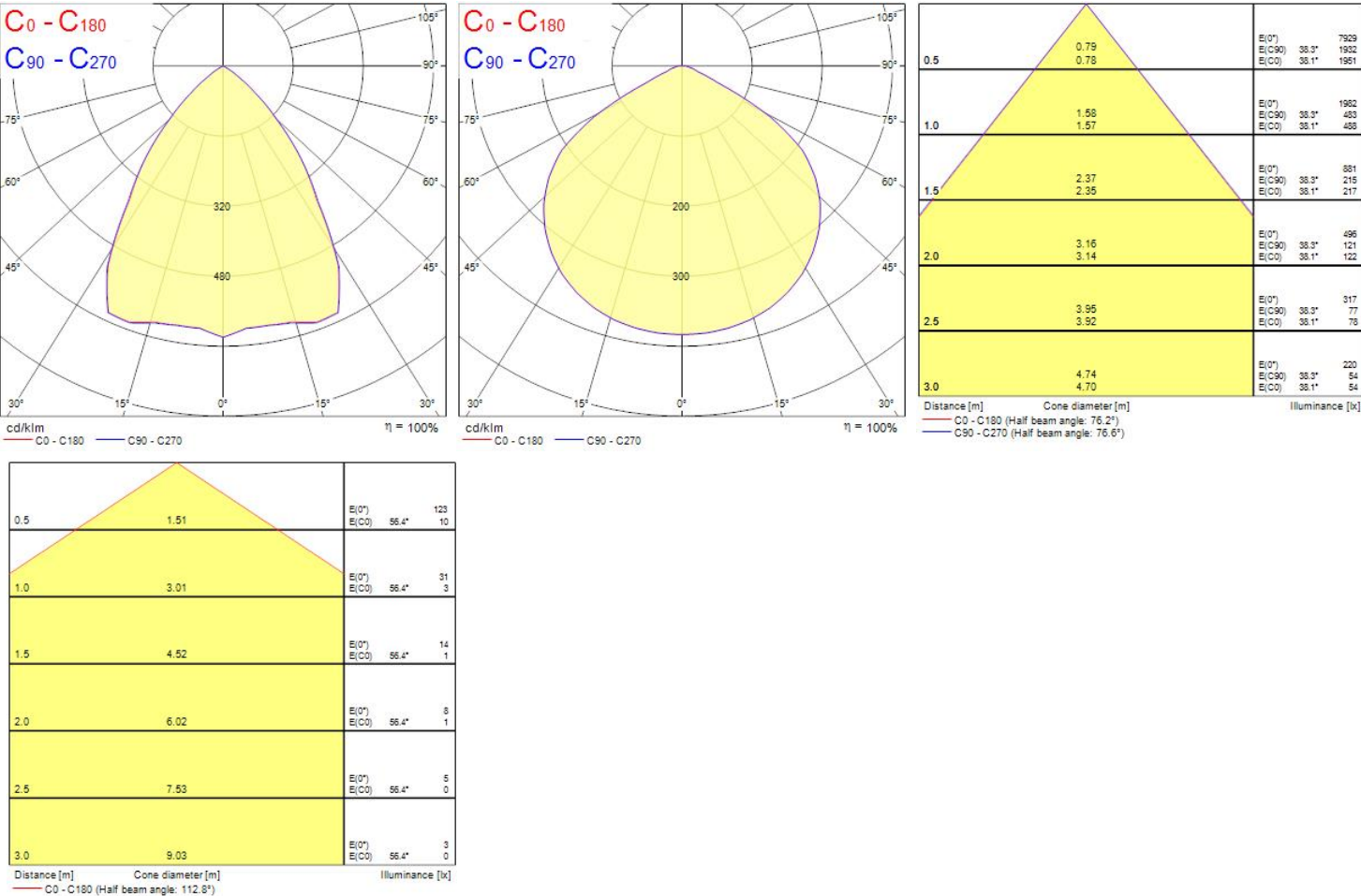
Product Overview

Product name	OPTIX SURFACE 1200x200 2 LINE TW ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Fixture rating	Enclosed
Fixture luminous flux (lm)	3200
Luminaire efficacy (lm/W)	97
Light colour	Tuneable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	85
Total power consumption (W)	33

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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	5025768237654
Warranty	5 years

Photometry



C0 - C180
C90 - C270

cd/klm
C0 - C180 C90 - C270
η = 100%

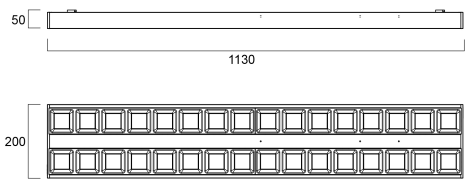
C0 - C180
C90 - C270

cd/klm
C0 - C180 C90 - C270
η = 100%

Distance [m]	Cone diameter [m]	E(0°) E(C0) E(C90)	Beam angle	Illuminance [lx]
0.5	1.51	123 10	56.4°	123
1.0	3.01	31 3	56.4°	31
1.5	4.52	14 1	56.4°	14
2.0	6.02	8 1	56.4°	8
2.5	7.53	5 0	56.4°	5
3.0	9.03	3 0	56.4°	3

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 112.8°)

Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1200x200 2 LINE TW ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Fixture rating	Enclosed
Performance ambient temperature Tq (°C)	25
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	3200
Luminaire efficacy (lm/W)	97
Correlated colour temperature range (K)	3000 - 6000
Light colour	Tuneable White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	85

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Emergency duration (h)	3
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ELECTRICAL DATA

Total power consumption (W)	33
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
Glow Wire Test (°C)	850
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 (mm²)	2.5
Connectable conductor cross section - Max (mm²)	2.5

LIFETIME DATA

Lifespan L70 B50	120000
Lifespan L80 B20	120000
Lifespan L90 B10	60000

PHYSICAL DATA

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized

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Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1129
Nominal Product Width (mm)	200
Weight (kg)	5.0

PACKAGING

Single packaging type	Carton
Product EAN number	5025768237654
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (outer)	05025768237654
Packaging outer length / height (cm)	117.0

SAFETY DATA

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