

Features

• OPTIX SURFACE 1200x200 2 LINE 4000K 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 dimmable. 3hr maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3600lm. Power consumption 26W. Luminaire efficacy 138lm/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.

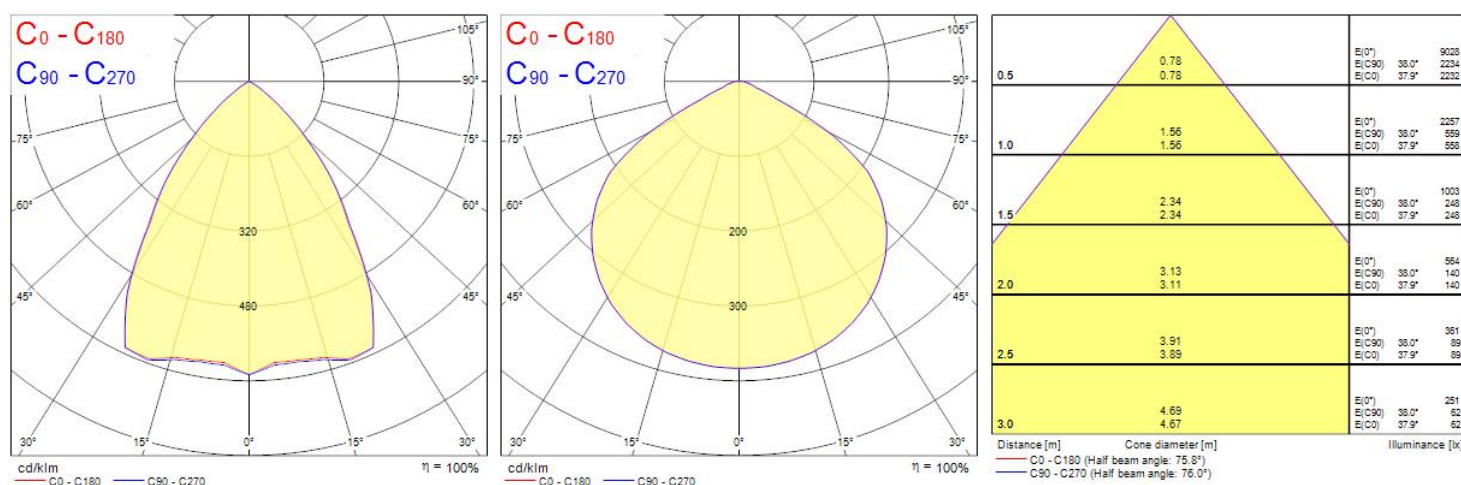
Product Overview

Product name	OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Fixture rating	Enclosed
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	3600
Luminaire efficacy (lm/W)	138
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 16

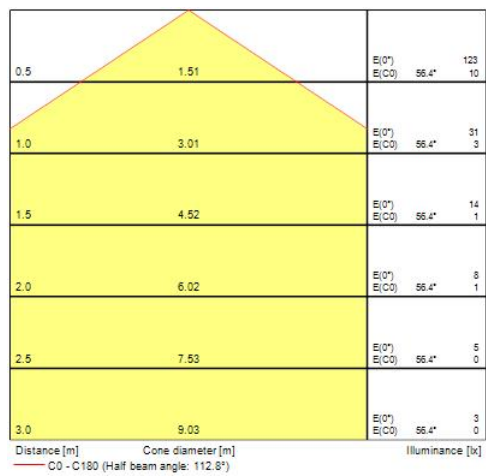
OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM 2023706

Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	85
Total power consumption (W)	26
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	5025768237067
Warranty	5 years
Dimming method	DALI

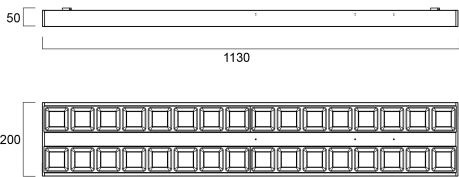
Photometry



OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM
2023706



Technical drawings



Data table

GENERAL DATA

Product name	OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Fixture rating	Enclosed
General application	Education, Office
Operating temperature range (°C)	10°C...+25°C

OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM 2023706

Performance ambient temperature Tq (°C)	25
---	----

ETIM Class	EC002892
------------	----------

Warranty	5 years
----------	---------

OPTICAL DATA

Fixture luminous flux (lm)	3600
----------------------------	------

Luminaire efficacy (lm/W)	138
---------------------------	-----

Correlated colour temperature (k)	4000
-----------------------------------	------

Light colour	Neutral White
--------------	---------------

CRI (Ra)	80
----------	----

Colour Variation Initial (SDCM)	3
---------------------------------	---

Distribution type	Symmetric
-------------------	-----------

Glare control	< 16
---------------	------

Photobiological Risk Group	RG0
----------------------------	-----

Luminous flux (emergency) (lm)	85
--------------------------------	----

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

ELECTRICAL DATA

Total power consumption (W)	26
-----------------------------	----

Primary Supply/Product voltage - min (V)	220
--	-----

Primary Supply/Product voltage - max (V)	240
--	-----

Lamp power factor	0.98
-------------------	------

THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	9
--	---

Electrical protection	Class I
-----------------------	---------

Control gear required	No
-----------------------	----

Control gear type	LED driver constant current
-------------------	-----------------------------

Dimmable	Yes
----------	-----

Dimming method	DALI
----------------	------

Drive current (mA)	250
--------------------	-----

Inrush Current (A)	29
--------------------	----

Inrush Duration (µs)	180
----------------------	-----

OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM 2023706

Energy Efficiency Class (A->G) of contained light source	C
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	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

OPTIX SURFACE 1200x200 2 LINE 4000K ALU DALI EM 2023706

Product EAN number	5025768237067
Packaging single length / height (cm)	117.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (inner)	05025768237067
Units per outer package	1
Packaging outer length / height (cm)	117.0
Packaging outer width (cm)	22.5
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