

Optix Surface 1200 Direct - Indirect High Output
OPTIX SURFACE 1200x200 2 LINE D/I HO 4000K ALU DALI EM
2023746



PRODUCT OVERVIEW

Product name	OPTIX SURFACE 1200x200 2 LINE D/I HO 4000K ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
Warranty	5 years
Fixture luminous flux (lm)	5600
Luminaire efficacy (lm/W)	144
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 16
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85
Total power consumption (W)	39
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	5025768237463

DATA TABLE

General data	
Product name	OPTIX SURFACE 1200x200 2 LINE D/I HO 4000K ALU DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel

Optix Surface 1200 Direct - Indirect High Output

OPTIX SURFACE 1200x200 2 LINE D/I HO 4000K ALU DALI EM

2023746

Mount	Suspended
Fixture rating	Enclosed
Performance ambient temperature Tq (°C)	25
Warranty	5 years

Optical data

Fixture luminous flux (lm)	5600
Luminaire efficacy (lm/W)	144
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 16
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	85
Emergency duration (h)	3

Electrical data

Total power consumption (W)	39
Primary Supply/Product voltage - min (V)	198.0
Lamp power factor	0.98
Electrical protection	Class I
Control gear type	LED driver constant current
Drive current (mA)	750
Inrush Current (A)	35
Inrush Duration (µs)	170
Glow Wire Test (°C)	850
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	120000
Lifespan L90 B10	60000

Physical data

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

Optix Surface 1200 Direct - Indirect High Output

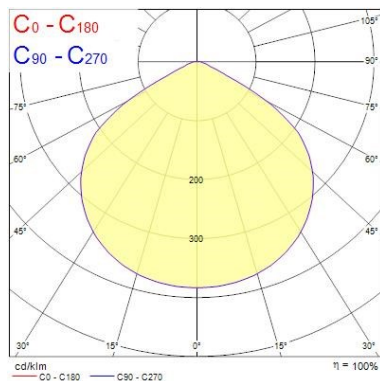
OPTIX SURFACE 1200x200 2 LINE D/I HO 4000K ALU DALI EM
2023746

Nominal Product Length (mm)	1129
Nominal Product Width (mm)	200
Weight (kg)	4.8

Packaging

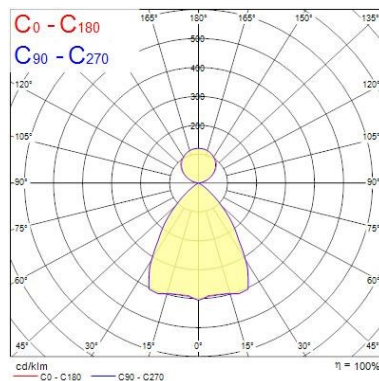
Single packaging type	Carton
Product EAN number	5025768237463
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (outer)	05025768237463
Packaging outer length / height (cm)	117.0

PHOTOMETRY



Distance [m]	Cone diameter [m]	E (°)	E (C0)	E (C90)	E (C270)	Illuminance [lx]
0.5	0.78 0.79	9052 2239	38.0° 38.2°	2215		
1.0	1.56 1.57	2270 560	38.0° 38.2°	554		
1.5	2.34 2.36	1009 248	38.0° 38.2°	246		
2.0	3.13 3.15	568 140	38.0° 38.2°	139		
2.5	3.91 3.93	363 90	38.0° 38.2°	89		
3.0	4.69 4.72	252 62	38.0° 38.2°	62		

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 76.4°)
C90 - C270 (Half beam angle: 76.0°)



Distance [m]	Cone diameter [m]	E (°)	E (C0)	E (C90)	E (C270)	Illuminance [lx]
0.5	1.51	133	56.4°	10		
1.0	3.01	31	56.4°	3		
1.5	4.52	14	56.4°	1		
2.0	6.02	8	56.4°	1		
2.5	7.53	5	56.4°	0		
3.0	9.03	3	56.4°	0		

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

TECHNICAL DRAWINGS

