

Optix Surface 1200 Direct Medium Output SylSmart

OPTIX SURFACE 1200 2L LUMI HCL TW ALU SSC

2023831



Product features

- OPTIX SURFACE 1200 2L LUMI HCL TW ALU SSC is a surface mounted luminaire for office and education applications with Aluminised plastic extra low glare optics and RAL9016 colour fixture body. SylSmart Standalone controlled tunable white light engine. 2700-6200K Tunable White LED, chromaticity tolerance of 3-step MacAdam ellipse. For 2700K - Colour rendering index Ra >98; Melanopic Ratio MEER: 0.524; Fidelity Index R :97; Gamut Index R :101. For 4000K - Colour rendering index Ra >95; Melanopic Ratio MEER: 0.819; Fidelity Index R :94; Gamut Index R :101. For 6200K - Colour rendering index Ra >98; Melanopic Ratio MEER: 1.071; Fidelity Index R :95; Gamut Index R :99. For 4000K luminous flux: 3500lm. Power consumption: 37W. Luminaire efficacy: 95lm/W. UGR<16 Luminance at 65°<200 Cd/m², IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C. 68,000hrs L80B20 lifespan.



PRODUCT OVERVIEW

Product name	OPTIX SURFACE 1200 2L LUMI HCL TW ALU SSC
Technology	LED LumiNature
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Fixture rating	Enclosed
General application	Education, Office
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	3500
Luminaire efficacy (lm/W)	95
Colour temperature (K)	4000
Light colour	Tuneable White HCL
CRI (Ra)	95
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG0
Total power consumption (W)	37
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	SylSmart SSC
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5025768238316

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DATA TABLE

General data

Product name	OPTIX SURFACE 1200 2L LUMI HCL TW ALU SSC
Technology	LED LumiNature
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
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3500
Luminaire efficacy (lm/W)	95
Colour temperature (K)	4000
Correlated colour temperature range (K)	2800 - 6200
Light colour	Tuneable White HCL
CRI (Ra)	95
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	37
Mains voltage (V)	220-240V
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Transformer required	No
Dimmable	Yes
Dimming method	SylSmart SSC
Drive current (mA)	480
Inrush Current (A)	23
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	13
Max. Luminaires per 16A C Breaker	19

Lifetime data

Lifespan L70 B50	100000
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Lifespan L80 B20 68000

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
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)	4.5

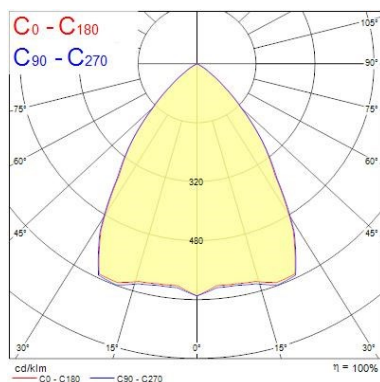
Packaging

Single packaging type	Carton
Product EAN number	5025768238316
Packaging single length / height (cm)	117.0
Packaging single width (cm)	22.5
Packaging single depth (cm)	6.8
DUN14 (outer)	05025768238316
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

Optimal operating condition (°C)	10-25
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PHOTOMETRY



0.5	0.78	E(0°) E(C0)	37.8°	8820 2188
1.0	1.55	E(0°) E(C0)	37.8°	2205 547
1.5	2.33	E(0°) E(C0)	37.8°	980 243
2.0	3.10	E(0°) E(C0)	37.8°	591 157
2.5	3.88	E(0°) E(C0)	37.8°	383 97
3.0	4.65	E(0°) E(C0)	37.8°	245 61

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 75.6°)

TECHNICAL DRAWINGS

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