

Optix Linear Surface 1200 Direct-Indirect
OPTIX LINEAR SURFACE 1200 DI LUMI HCL TW ALU DALI
2023860



Product features

- OPTIX LINEAR SURFACE 1200 D/I LUMI HCL TW ALU DALI is a suspended linear luminaire for office and education applications with Aluminised plastic extra low glare optics and RAL9016 colour fixture body. DALI DT8 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: 0.523; Fidelity Index R :91; Gamut Index R :101. For 4000K - Colour rendering index Ra >96; Melanopic Ratio MEER: 0.821; Fidelity Index R :95; Gamut Index R :101. For 6200K - Colour rendering index Ra >98; Melanopic Ratio MEER: 1.084; Fidelity Index R :96; Gamut Index R :99. For 4000K luminous flux: 3550lm. Power consumption: 38W. Luminaire efficacy: 93lm/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 LINEAR SURFACE 1200 DI LUMI HCL TW ALU DALI
Technology	LED LumiNature
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
General application	Education, Office
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	3540
Luminaire efficacy (lm/W)	93
Light colour	Tuneable White HCL
CRI (Ra)	95
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Glare control	< 16
Photobiological Risk Group	RG1
Total power consumption (W)	38
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5025768238606

DATA TABLE

Optix Linear Surface 1200 Direct-Indirect

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General data

Product name	OPTIX LINEAR SURFACE 1200 DI LUMI HCL TW ALU DALI
Technology	LED LumiNature
Cap/Base	N/A
Housing	Steel
Mount	Suspended
Fixture rating	Enclosed
General application	Education, Office
Performance ambient temperature T _a (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3540
Luminaire efficacy (lm/W)	93
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	RG1

Electrical data

Total power consumption (W)	38
Primary Supply/Product voltage - min (V)	198.0
Primary Supply/Product voltage - max (V)	264.0
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	165
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. products per 10A C Breaker	13
Max. products per 16A C Breaker	19

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	68000

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
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IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1129
Nominal Product Width (mm)	90
Nominal Product Height (mm)	80
Weight (kg)	3.5

Packaging

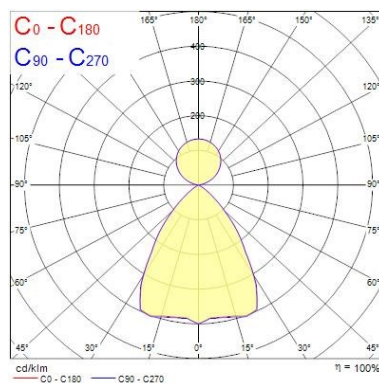
Single packaging type	Carton
Product EAN number	5025768238606
Packaging single length / height (cm)	119.0
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768238606
Units per outer package	1
Packaging outer length / height (cm)	119.0
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	11.0

PHOTOMETRY

0.5	0.77 0.77	E(0°) E(C90) E(C0)	37.6° 1421 1412	9985
1.0	1.54 1.55	E(0°) E(C90) E(C0)	37.6° 355 350	1419
1.5	2.31 2.32	E(0°) E(C90) E(C0)	37.6° 199 197	629
2.0	3.08 3.09	E(0°) E(C90) E(C0)	37.6° 89 88	354
2.5	3.85 3.86	E(0°) E(C90) E(C0)	37.6° 51 50	227
3.0	4.62 4.64	E(0°) E(C90) E(C0)	37.6° 39 38	157

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

— C0 - C180 (Half beam angle: 75.4°)
— C90 - C270 (Half beam angle: 75.2°)



TECHNICAL DRAWINGS

