

# OPTIX RECESSED 1200x300 2L 4000K WHT DALI EM

Item No: 2023678

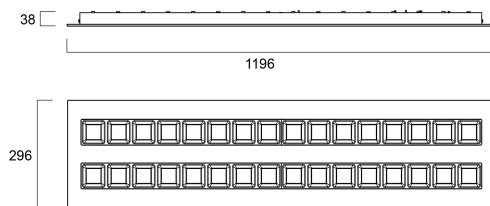
Concord



OPTIX RECESSED 1200x300 2L 4000K WHT DALI EM is a high efficacy low glare luminaire for office and education applications. Ceiling recessed 1200x300 mm. White plastic 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 3450lm. Power consumption 24W. Luminaire efficacy 144lm/W. Lifespan: 48,500 hours L90B10. UGR<19, Luminance at 65°<3000 Cd/m<sup>2</sup>, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.

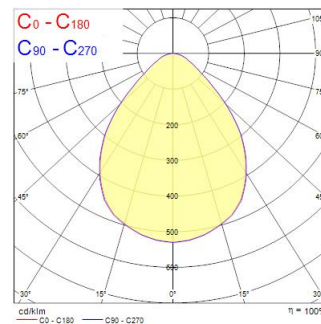
## Technical Assets

### Dimensions (mm)



### Photometrics

Distance [m]	Cone diameter [m]	Beam diameter [m]	Beam angle [°]	Beam diameter [m]	Beam angle [°]	Illuminance [lx]
0.5	0.90 0.90	0.71 0.71	42.1° 42.1°	0.51 0.51	41.9° 41.9°	7314 1499
1.0	1.81 1.79	1.42 1.42	42.1° 42.1°	1.02 1.02	41.9° 41.9°	1828 375
1.5	2.71 2.69	2.13 2.13	42.1° 42.1°	1.53 1.53	41.9° 41.9°	813 151
2.0	3.61 3.59	2.84 2.84	42.1° 42.1°	2.04 2.04	41.9° 41.9°	487 94
2.5	4.52 4.49	3.55 3.55	42.1° 42.1°	2.55 2.55	41.9° 41.9°	290 56
3.0	5.42 5.38	4.26 4.26	42.1° 42.1°	3.06 3.06	41.9° 41.9°	203 42



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### General data

Product name	OPTIX RECESSED 1200x300 2L 4000K WHT DALI EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Built in presence detector	NONE
Fixture rating	Enclosed
General application	Education, Office
Operating temperature range (°C)	10°C...+25°C
Performance ambient temperature Tq (°C)	25
Virtual assistant compatibility	N/A
ETIM Class	EC002892
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	3450
Luminaire efficacy (lm/W)	144
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80

### Electrical data

Emergency duration (h)	3
Total power consumption (W)	24
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)	225
Inrush Current (A)	29
Inrush Duration (µs)	180
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 <sup>2</sup> )	2.5
Connectable conductor cross section - Max (mm <sup>2</sup> )	2.5

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### Lifetime data

Lifespan L70 B50	120000
Lifespan L80 B20	107500
Lifespan L90 B10	48500

### 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)	1196
Nominal Product Width (mm)	296
Nominal Product Height (mm)	38
Weight (kg)	5.0

### Packaging

Product EAN number	5025768236787
Packaging single length / height (cm)	124.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	32.0
DUN14 (inner)	05025768236787
Units per outer package	1
Packaging outer length / height (cm)	124.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	32.0

### Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	10-25