

### Features

• OPTIX LINEAR RECESSED 1200 4000K ALU EM is a high efficacy low glare linear luminaire for office and education applications. Suitable for continuous light line installations with accessories separately available. Ceiling recessed 1169x95x90 mm. Aluminised plastic extra low glare optics in a single line configuration. White RAL9016 fixture body. Constant current driver. 3hr maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3400lm. Power consumption 28W. Luminaire efficacy 121lm/W. Lifespan: 48,500 hours L90B10. UGR<19, Luminance at 65°<200 Cd/m2, IK07, IP20. Ultra Low Flicker: <5% Photobiological safety risk group 1. Electrical protection Class I. Glow wire test 850°C. Suitable for use with Linect quick connection sytems.

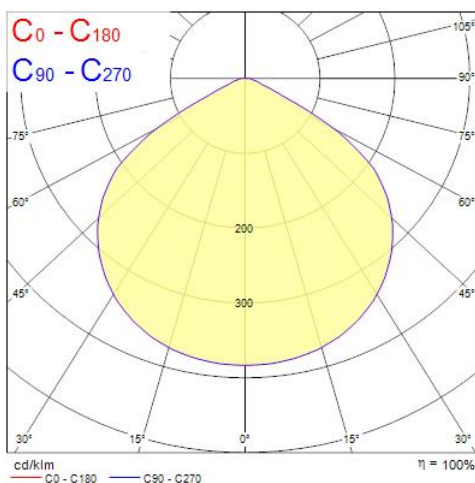
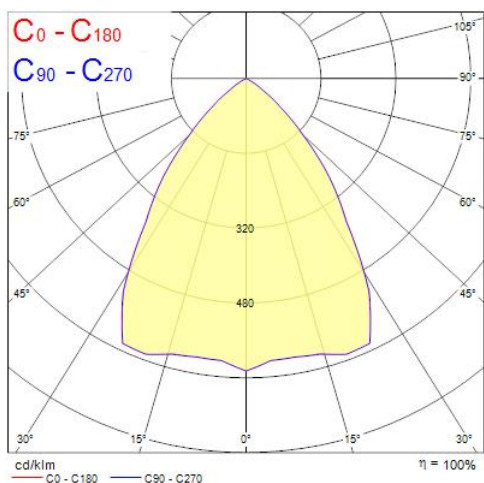
### Product Overview

Product name	OPTIX LINEAR RECESSED 1200 4000K ALU EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
Fixture luminous flux (lm)	3400
Luminaire efficacy (lm/W)	121
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG1

## OPTIX LINEAR RECESSED 1200 4000K ALU EM 2023787

Luminous flux (emergency) (lm)	80
Total power consumption (W)	28
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	5025768237876
Warranty	5 years

### Photometry



Distance [m]	Cone diameter [m]	Beam diameter [m]	Beam angle [°]	Illuminance [lx]
0.5	0.78	0.78	38.1°	8505
1.0	1.57	1.56	38.1°	2126
1.5	2.35	2.34	38.1°	945
2.0	3.14	3.13	38.1°	592
2.5	3.92	3.91	38.1°	340
3.0	4.70	4.69	38.1°	236

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

C0 - C180 (Half beam angle: 76.0°)

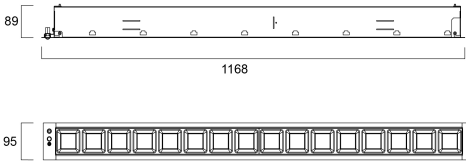
C90 - C270 (Half beam angle: 76.2°)

Distance [m]	Cone diameter [m]	Beam diameter [m]	Beam angle [°]	Illuminance [lx]
0.5	1.51	1.51	56.4°	123
1.0	3.01	3.01	56.4°	31
1.5	4.52	4.52	56.4°	14
2.0	6.02	6.02	56.4°	8
2.5	7.53	7.53	56.4°	5
3.0	9.03	9.03	56.4°	3

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

C0 - C180 (Half beam angle: 112.8°)

### Technical drawings



### Data table

#### GENERAL DATA

Product name	OPTIX LINEAR RECESSED 1200 4000K ALU EM
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
Performance ambient temperature Tq (°C)	25
Warranty	5 years

#### OPTICAL DATA

Fixture luminous flux (lm)	3400
Luminaire efficacy (lm/W)	121
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	80
Emergency duration (h)	3

### ELECTRICAL DATA

Total power consumption (W)	28
Primary Supply/Product voltage - min (V)	198.0
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	500
Inrush Current (A)	25
Inrush Duration (µs)	250
Glow Wire Test (°C)	850
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	20
Max. products per 20A B Breaker	24
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	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

## OPTIX LINEAR RECESSED 1200 4000K ALU EM 2023787

Nominal Product Length (mm)	1169
Nominal Product Width (mm)	95
Weight (kg)	3.15

### PACKAGING

Single packaging type	Carton
Product EAN number	5025768237876
Packaging single width (cm)	10.0
Packaging single depth (cm)	11.0
DUN14 (outer)	05025768237876
Packaging outer length / height (cm)	119.0

### SAFETY DATA

Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No