

RANA LINEAR S 3KLM NW OPAL 1-10 EM
0051285



Features

- Surface or Suspended LED Linear luminaire with Opal diffuser, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, 1-10V Dimmable, Emergency 3 hours maintained, Neutral White LED (4000K), 3210lm, 35W, 92lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<23, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C

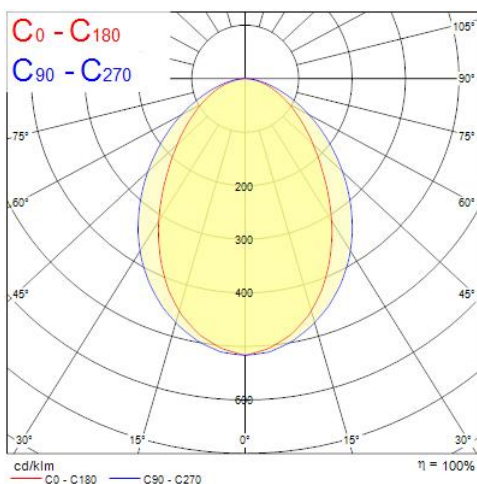
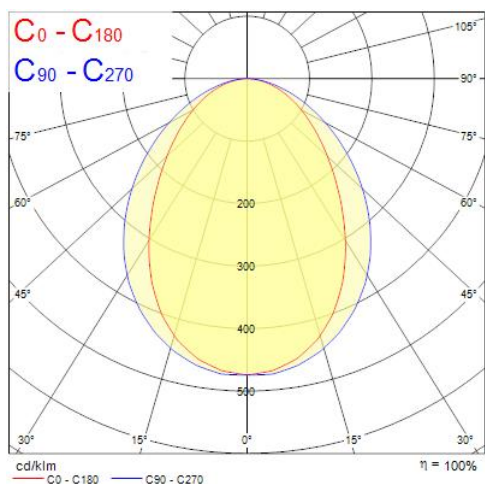
Product Overview

Product name	RANA LINEAR S 3KLM NW OPAL 1-10 EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Fixture rating	Enclosed
Environment	Internal
General application	Office, Hospitality, Retail, Education
ETIM Class	EC002892
Fixture luminous flux (lm)	3210
Luminaire efficacy (lm/W)	91.71
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Glare control	< 23
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	437
Total power consumption (W)	35
Electrical protection	Class I

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Control gear type	Electronic ballast
Dimmable	Yes
Minimum dimming level (%)	10
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK01
Product EAN number	5410288512853
Warranty	5 years
Dimming method	1-10V (Analogue)

Photometry



Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	1.13 0.80	48.5° 38.5°	6089 889 1480
1.0	2.26 1.59	48.5° 38.5°	1522 222 365
1.5	3.39 2.39	48.5° 38.5°	677 99 162
2.0	4.52 3.18	48.5° 38.5°	381 55 91
2.5	5.65 3.98	48.5° 38.5°	244 36 58
3.0	6.78 4.77	48.5° 38.5°	169 25 41

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

— C0 - C180 (Half beam angle: 77.0°) — C90 - C270 (Half beam angle: 97.0°)

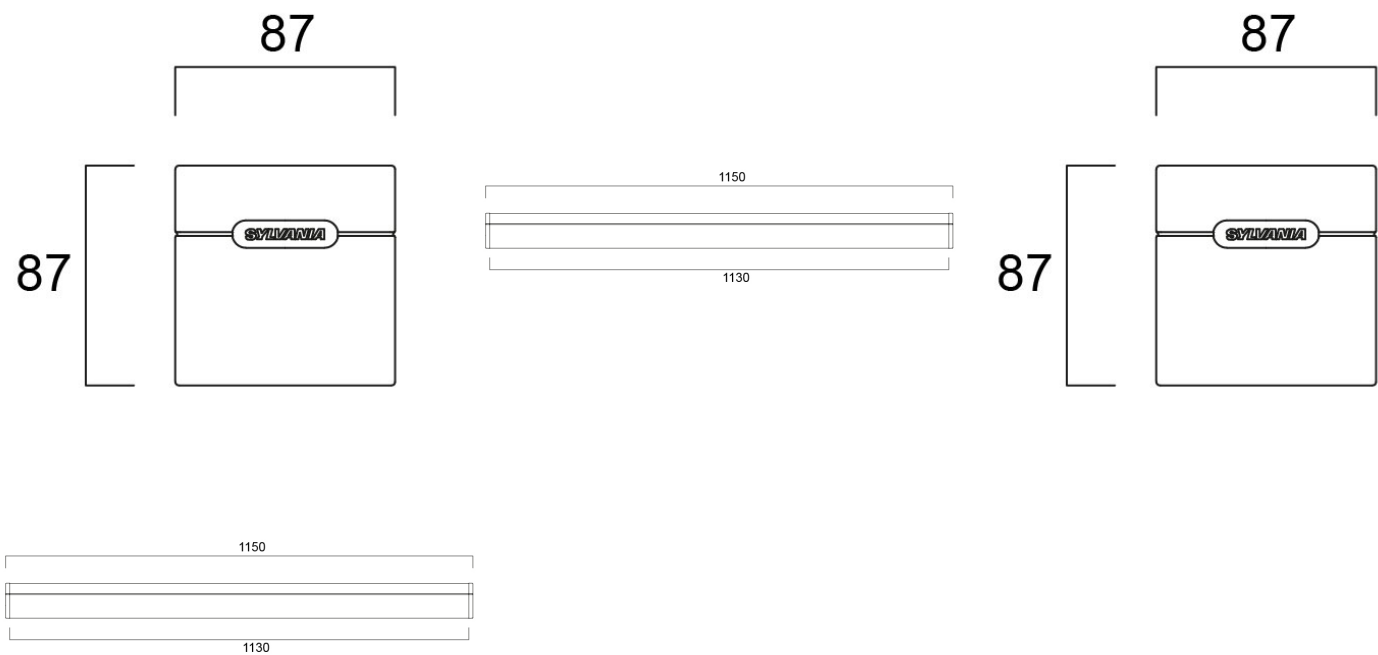
Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	1.02 0.74	45.5° 36.5°	934 161 243
1.0	2.04 1.48	45.5° 36.5°	233 40 61
1.5	3.05 2.22	45.5° 36.5°	104 18 27
2.0	4.07 2.96	45.5° 36.5°	56 10 16
2.5	5.09 3.70	45.5° 36.5°	37 6 10
3.0	6.11 4.44	45.5° 36.5°	26 4 7

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

— C0 - C180 (Half beam angle: 73.0°) — C90 - C270 (Half beam angle: 91.0°)

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Technical drawings



Data table

GENERAL DATA

Product name	RANA LINEAR S 3KLM NW OPAL 1-10 EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Fixture rating	Enclosed
Environment	Internal
General application	Office, Hospitality, Retail, Education
Operating temperature range (°C)	5°C...+30°C
Performance ambient temperature Tq (°C)	25

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ETIM Class	EC002892
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	3210
Luminaire efficacy (lm/W)	91.71
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Glare control	< 23
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	437
Emergency duration (h)	3.0

ELECTRICAL DATA

Total power consumption (W)	35
Mains voltage (V)	220-240V
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Transformer required	Yes
Dimmable	Yes
Dimming method	1-10V (Analogue)
Minimum dimming level (%)	10
Drive current (mA)	300
Inrush Current (A)	10
Inrush Duration (µs)	100
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz

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Max. Luminaires per 16A C Breaker	51
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LIFETIME DATA

Lifespan L70 B50	60000
Lifespan L70 B20	60000
Lifespan L70 B10	60000
Lifespan L80 B50	60000
Lifespan L80 B20	60000
Lifespan L80 B10	60000
Lifespan L90 B50	60000
Lifespan L90 B20	60000
Lifespan L90 B10	60000

PHYSICAL DATA

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK01
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1150
Nominal Product Width (mm)	87
Nominal Product Height (mm)	87
Weight (kg)	3.55

PACKAGING

Single packaging type	Carton
Product EAN number	5410288512853
Packaging single length / height (cm)	116.5
Packaging single width (cm)	10.5
Packaging single depth (cm)	10.0
DUN14 (outer)	05410288512853
Units per outer package	1
Packaging outer length / height (cm)	116.5
Packaging outer width (cm)	10.5



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Packaging outer depth (cm)	10.0
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SAFETY DATA

Optimal operating condition (°C)	5-30
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No