

Features

- Surface or Suspended LED Linear luminaire with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x47mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 1130x65mm, Constant Current, Low LED flicker (+/-5%), Emergency 3 hours, Neutral White (4000K) LED Colour Temperature, 3100lm, 32W, 97lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<19, Luminance at 65° < 3000 cd/m2, Lumen Maintenance: L90B10 at 50,000 hours, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.

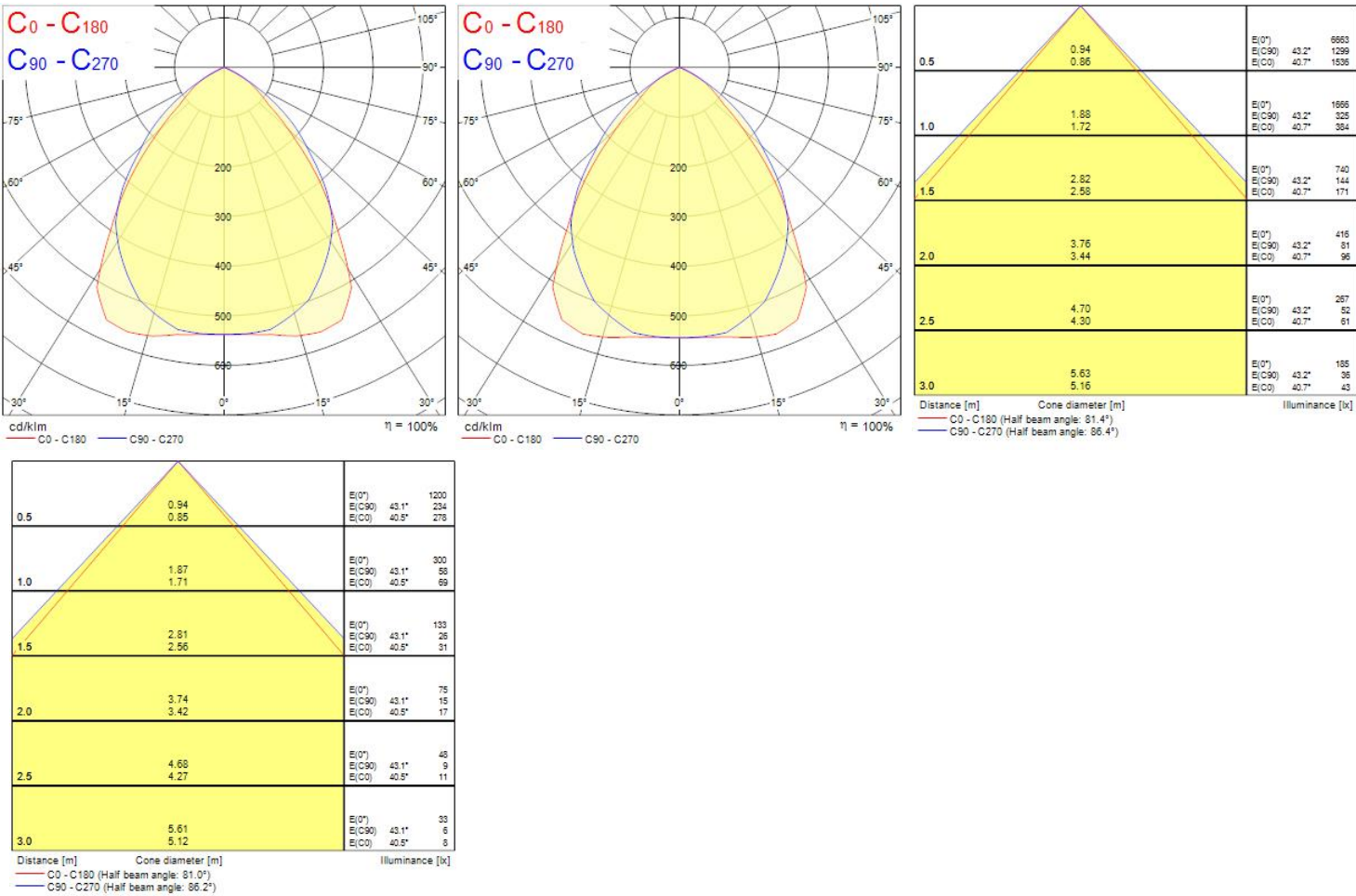
Product Overview

Product name	RANA LED S 1200 LO 4K LOUV+PRI EM W GEN2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Fixture luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	280
Total power consumption (W)	32
Electrical protection	Class I
Control gear type	Electronic ballast
LED Flickering Rate	Ultra low (5% or less)

RANA LED S 1200 LO 4K LOUV+PRI EM W GEN2
0051484

Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288514840
Warranty	5 years

Photometry



C0 - C180
C90 - C270

cd/klm $\eta = 100\%$

— C0 - C180 — C90 - C270

C0 - C180
C90 - C270

cd/klm $\eta = 100\%$

— C0 - C180 — C90 - C270

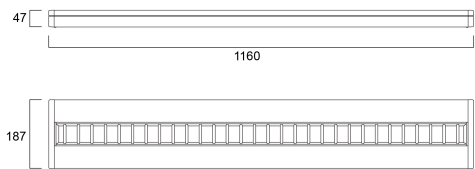
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.94 0.85	1200	43.1°	40.5°	234
1.0	1.87 1.71	300	43.1°	40.5°	58
1.5	2.81 2.56	133	43.1°	40.5°	26
2.0	3.74 3.42	75	43.1°	40.5°	15
2.5	4.68 4.27	48	43.1°	40.5°	9
3.0	5.61 5.12	33	43.1°	40.5°	6

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

— C0 - C180 (Half beam angle: 81.0°)
— C90 - C270 (Half beam angle: 86.2°)

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Technical drawings



Data table

GENERAL DATA

Product name	RANA LED S 1200 LO 4K LOUV+PRI EM W GEN2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Operating temperature range (°C)	5°C...+25°C
Performance ambient temperature Tq (°C)	25
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	280
Emergency duration (h)	3

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ELECTRICAL DATA

Total power consumption (W)	32
Primary Supply/Product voltage - min (V)	220
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Drive current (mA)	275
Inrush Current (A)	22
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	28
Max. products per 20A B Breaker	34
Connectable conductor cross section - Min (mm²)	2.5
Connectable conductor cross section - Max (mm²)	2.5

LIFETIME DATA

Lifespan L70 B50	50000
Lifespan L70 B10	50000
Lifespan L80 B50	50000
Lifespan L80 B10	50000
Lifespan L90 B50	50000
Lifespan L90 B10	50000

PHYSICAL DATA

Housing colour	White
IP rating	IP20



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IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1160
Nominal Product Width (mm)	187
Weight (kg)	4.1

PACKAGING

Single packaging type	Carton
Product EAN number	5410288514840
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (outer)	05410288514840
Packaging outer length / height (cm)	153.5

SAFETY DATA

Optimal operating condition (°C)	5-25
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No