

## RANA LED Surface 1200

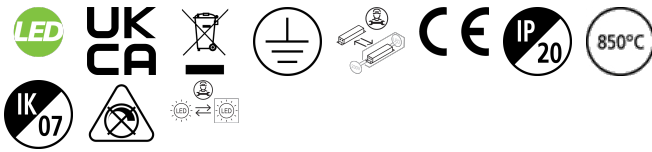
RANA LED S 1200 LO 4K LOUV+PRI W GEN2

0051480



### Product 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%), Neutral White (4000K) LED Colour Temperature, 3100lm, 28W, 111lm/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 W GEN2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
General application	Office, Hospitality, Retail, Education
ETIM Class	EC002892
E-number FI	4273596
Warranty	5 years
Fixture luminous flux (lm)	3100
Luminous flux (lm)	3100
Luminaire efficacy (lm/W)	111
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	28
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288514802

### DATA TABLE

## RANA LED Surface 1200

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

0051480

### General data

Product name	RANA LED S 1200 LO 4K LOUV+PRI W GEN2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
General application	Office, Hospitality, Retail, Education
Operating temperature range (°C)	5°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4273596
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	3100
Luminous flux (lm)	3100
Luminaire efficacy (lm/W)	111
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

### Electrical data

Total power consumption (W)	28
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
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. Luminaires per 10A C Breaker	28
Max. Luminaires per 13A C Breaker	36
Max. Luminaires per 16A C Breaker	45
Max. Luminaires per 20A C Breaker	56
Max. Luminaires per 10A B Breaker	17

## RANA LED Surface 1200

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

0051480

Max. Luminaires per 13A B Breaker	22
Max. Luminaires per 16A B Breaker	27
Max. Luminaires per 20A B Breaker	34

### 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
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1160
Nominal Product Width (mm)	187
Nominal Product Height (mm)	47
Weight (kg)	3.5

### Packaging

Single packaging type	Carton
Product EAN number	5410288514802
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (outer)	05410288514802
Units per outer package	1
Packaging outer length / height (cm)	153.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	21.0

### Safety data

Optimal operating condition (°C)	5-25
----------------------------------	------

## PHOTOMETRY

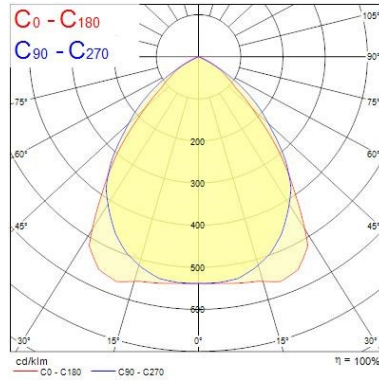
## RANA LED Surface 1200

RANA LED S 1200 LO 4K LOUV+PRI W GEN2  
0051480

0.5	0.94 0.96	E(0°) 8971 E(C90) 1290 E(C0) 1541
1.0	1.88 1.72	E(0°) 1668 E(C90) 322 E(C0) 398
1.5	2.83 2.58	E(0°) 741 E(C90) 143 E(C0) 171
2.0	3.77 3.44	E(0°) 417 E(C90) 81 E(C0) 96
2.5	4.71 4.30	E(0°) 267 E(C90) 52 E(C0) 62
3.0	5.65 5.16	E(0°) 186 E(C90) 36 E(C0) 43

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

— C0 - C180 (Half beam angle: 81.4°)  
— C90 - C270 (Half beam angle: 86.8°)



## TECHNICAL DRAWINGS

