

RANA LED Surface 1200

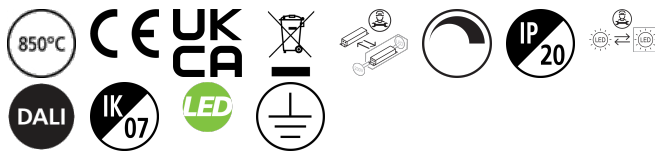
RANA LED S 1200 LO 3K LOUV+PRI DALI W GEN2

0051477



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, DALI Dimmable (Switch-DIM/Push-DIM enabled), Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 2900lm, 28W, 104lm/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 3K LOUV+PRI DALI 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	4273590
Warranty	5 years
Fixture luminous flux (lm)	2900
Luminous flux (lm)	2900
Luminaire efficacy (lm/W)	104
Colour temperature (K)	3000
Light colour	Warm 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	Electronic ballast
Dimmable	Yes
Minimum dimming level (%)	99
Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288514772
Dimming method	DALI, Switch-dim (mains-rated)

DATA TABLE

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General data

Product name	RANA LED S 1200 LO 3K LOUV+PRI DALI 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 T _a (°C)	25
ETIM Class	EC002892
E-number FI	4273590
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2900
Luminous flux (lm)	2900
Luminaire efficacy (lm/W)	104
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	28
Mains voltage (V)	220-240V
Lamp power factor	0.98
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Minimum dimming level (%)	99
Drive current (mA)	275
Inrush Current (A)	29
Inrush Duration (µs)	180
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 16A C Breaker	36
Max. Luminaires per 20A C Breaker	45
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 13A B Breaker	17
Max. Luminaires per 16A B Breaker	22
Max. Luminaires per 20A B Breaker	27

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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)	3.6

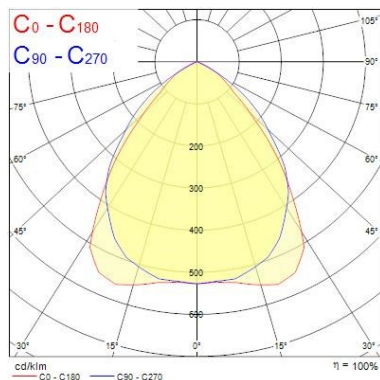
Packaging

Single packaging type	Carton
Product EAN number	5410288514772
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (outer)	05410288514772
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
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E (°)	E (C90)	E (C0)	Illuminance [lx]
0.5	0.96 0.86	43.9° 40.7°	6115 1148	1426	
1.0	1.92 1.72	43.9° 40.7°	1529 287	359	
1.5	2.89 2.58	43.9° 40.7°	679 126	155	
2.0	3.85 3.44	43.9° 40.7°	392 72	89	
2.5	4.81 4.30	43.9° 40.7°	245 46	57	
3.0	5.77 5.16	43.9° 40.7°	170 32	40	

Distance [m]
Cone diameter [m]
C0 - C180 (Half beam angle: 81.4°)
C90 - C270 (Half beam angle: 87.8°)
Illuminance [lx]

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TECHNICAL DRAWINGS

