

RANA LED Recessed 1200
RANA LED R 1200 LO 3K LOUV+PRI W GEN2
0052422



Product features

- Ceiling Recessed LED Linear luminaire (lay-in), with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1196x296x60mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 1130x65mm, Constant Current, 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, Glow Wire Test 850°C, Quick and easy electrical connection with direct access to push-connectors on top, 2 x metallic safety cables (1.5m) included, the luminaire can be covered with building insulation of Glass Wool type.



PRODUCT OVERVIEW

Product name	RANA LED R 1200 LO 3K LOUV+PRI W GEN2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Hospitality, Office, Retail
ETIM Class	EC002892
E-number FI	4273782
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	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	5410288524221

DATA TABLE

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General data

Product name	RANA LED R 1200 LO 3K LOUV+PRI W GEN2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Hospitality, Office, Retail
Operating temperature range (°C)	5°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4273782
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
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	28
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
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. products per 10A C Breaker	28
Max. products per 13A C Breaker	36
Max. products per 16A C Breaker	45

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Max. products per 20A C Breaker	56
Max. products per 10A B Breaker	17
Max. products per 13A B Breaker	22
Max. products per 16A B Breaker	27
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
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1196
Nominal Product Width (mm)	296
Nominal Product Height (mm)	60
Weight (kg)	5.5
Recessed Depth (mm)	120

Packaging

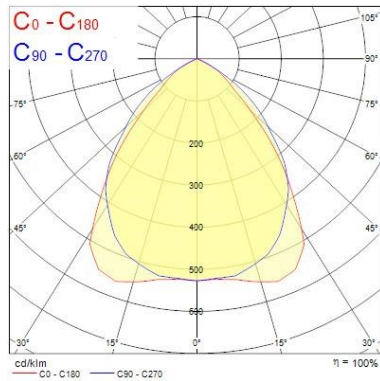
Single packaging type	Carton
Product EAN number	5410288524221
Packaging single length / height (cm)	124.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	32.0
DUN14 (outer)	05410288524221
Units per outer package	1
Packaging outer length / height (cm)	124.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	32.0

Safety data

Optimal operating condition (°C)	5-25
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PHOTOMETRY

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Distance [m]	Cone diameter [m]	$\frac{E(0)}{E(10)}$ $\frac{E(0.9)}{E(0.99)}$ $\frac{E(0.99)}{E(0.999)}$	Illuminance [lx]
0.5	0.96 0.86	5.07 E(0.9) E(0.99)	6115 43.9° 40.7° 1142
1.0	1.92 1.72	5.07 E(0.9) E(0.99)	1529 43.9° 40.7° 356
1.5	2.89 2.58	5.07 E(0.9) E(0.99)	679 43.9° 40.7° 150
2.0	3.85 3.44	5.07 E(0.9) E(0.99)	382 43.9° 40.7° 84
2.5	4.81 4.30	5.07 E(0.9) E(0.99)	245 43.9° 40.7° 55
3.0	5.77 5.16	5.07 E(0.9) E(0.99)	170 43.9° 40.7° 39

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

— C0 - C100 (Half beam angle: 11.4°)
 — C90 - C270 (Half beam angle: 87.8°)

TECHNICAL DRAWINGS

