

RANA LED Recessed 1200
RANA LED R 1200 LO 4K LOUV+PRI DALI EMPRO W G2
0052431



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, DALI Dimmable, Low LED flicker (+/-5%), Emergency PRO 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, 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 4K LOUV+PRI DALI EMPRO W G2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Hospitality, Office, Retail
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	3100
Luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
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
Dimmable	Yes
Dimming method	DALI, Switch-dim (mains-rated)
Minimum dimming level (%)	1
Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288524313

DATA TABLE

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General data

Product name	RANA LED R 1200 LO 4K LOUV+PRI DALI EMPRO W G2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Hospitality, Office, Retail
Performance ambient temperature T _a (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3100
Luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	280
Emergency duration (h)	3

Electrical data

Total power consumption (W)	32
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.98
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	DALI, Switch-dim (mains-rated)
Minimum dimming level (%)	1
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. products per 10A C Breaker	21
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	36
Max. products per 20A C Breaker	45
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17

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Max. products per 16A B Breaker	22
Max. products per 20A B Breaker	27
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)	6.2
Recessed Depth (mm)	120

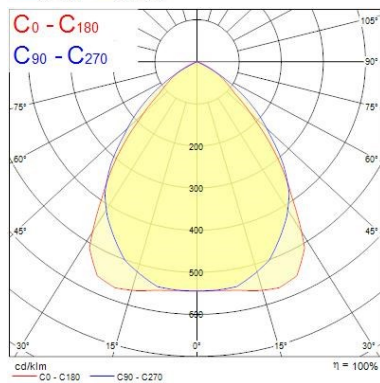
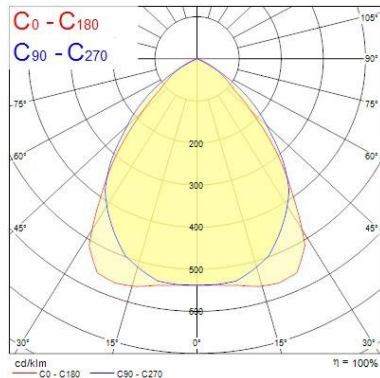
Packaging

Single packaging type	Carton
Product EAN number	5410288524313
Packaging single length / height (cm)	124.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	32.0
DUN14 (outer)	05410288524313
Units per outer package	1
Packaging outer length / height (cm)	124.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	32.0

PHOTOMETRY

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Distance [m]	Cone diameter [m]				Illuminance [lx]
0.5	0.94 0.86	S(0°) S(C90) S(C0)	43.2° 129° 40.7°	8660 1290 1530	
1.0	1.88 1.72	S(0°) S(C90) S(C0)	43.2° 129° 40.7°	1660 320 360	
1.5	2.82 2.58	S(0°) S(C90) S(C0)	43.2° 144° 40.7°	760 140 170	
2.0	3.76 3.44	S(0°) S(C90) S(C0)	43.2° 158° 40.7°	410 80 90	
2.5	4.70 4.30	S(0°) S(C90) S(C0)	43.2° 168° 40.7°	260 50 50	
3.0	5.63 5.16	S(0°) S(C90) S(C0)	43.2° 178° 40.7°	180 30 30	

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

— C0 - C180 (Half beam angle: 18.4°)

— C90 - C270 (Half beam angle: 86.4°)

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.94 0.85	507 510 510
1.0	1.87 1.71	307 310 310
1.5	2.81 2.56	132 135 135
2.0	3.74 3.42	77 79 79
2.5	4.68 4.27	49 51 51
3.0	5.61 5.12	38 39 39

TECHNICAL DRAWINGS

