

RANA LED Recessed 1200

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

0052426



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%), 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, 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

IPC Code	0052426
Product name	RANA LED R 1200 LO 4K LOUV+PRI W GEN2
Technology	LED
Housing	Steel
Mount	Recessed
General application	Education, Hospitality, Office, Retail
Certifications	EUNEW008
ETIM Class	EC002892
E-number FI	4273797
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)	3
Glare control	UGR<19
Photobiological Risk Group	0
Total power consumption (W)	28
Electrical protection	Class I
Control gear type	Electronic (constant current)
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288524269
Lamps	Yes
Included lamp	INTEGRATED LED

DATA TABLE

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General data

IPC Code	0052426
Product name	RANA LED R 1200 LO 4K LOUV+PRI W GEN2
Technology	LED
Housing	Steel
Mount	Recessed
General application	Education,Hospitality,Office,Retail
Operating temperature rated (°C)	25
Certifications	EUNEW008
ETIM Class	EC002892
E-number FI	4273797

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)	3
Glare control	UGR<19
Photobiological Risk Group	0

Electrical data

Total power consumption (W)	28
Mains voltage (V)	220-240V~
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic (constant current)
Dimmable	No
Drive current (mA)	275
Inrush Current (A)	15
Inrush Duration (µs)	250
Glow Wire Test (°C)	850
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	40
Max. Luminaires per 13A C Breaker	51
Max. Luminaires per 16A C Breaker	63
Max. Luminaires per 20A C Breaker	80
Max. Luminaires per 10A B Breaker	24
Max. Luminaires per 13A B Breaker	31
Max. Luminaires per 16A B Breaker	38
Max. Luminaires per 20A B Breaker	48

Lifetime data

Lumen maintenance - L70 B50	50000
Lumen maintenance - L90 B10	50000

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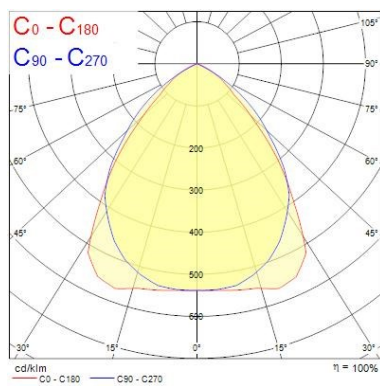
Physical data

Housing colour	White
IP rating	IP20
IK rating	IK07
Diffuser finish	MicroPrismatic
Diffuser material	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	5410288524269
Packaging single length / height (cm)	124.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	32.0
DUN14 (outer)	05410288524269
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



Distance [m]	Cone diameter [m]			Illuminance [lx]
0.5	0.94 0.86	E(0°)		687
		E(C90)	43.3°	129
		E(C0)	40.7°	154
1.0	1.88 1.72	E(0°)		169
		E(C90)	43.3°	32
		E(C0)	40.7°	38
1.5	2.83 2.58	E(0°)		74
		E(C90)	43.3°	14
		E(C0)	40.7°	17
2.0	3.77 3.44	E(0°)		41
		E(C90)	43.3°	8
		E(C0)	40.7°	9
2.5	4.71 4.30	E(0°)		26
		E(C90)	43.3°	5
		E(C0)	40.7°	6
3.0	5.65 5.16	E(0°)		18
		E(C90)	43.3°	3
		E(C0)	40.7°	4

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 81.4°)
C90 - C270 (Half beam angle: 86.6°)

TECHNICAL DRAWINGS

