

Features

• Ceiling Recessed LED Linear luminaire (lay-in), with Louvre + Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 595x595x60mm, Sylvania White body colour, IP20, IK07, Light Engine Dimensions: 570x130mm, DALI Dimmable, Low LED flicker (+/-5%), Emergency PRO 3 hours, Neutral White (4000K) LED Colour Temperature, 3000lm, 33W, 91lm/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.

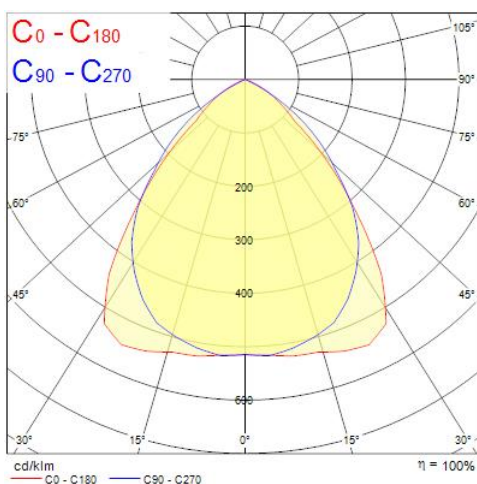
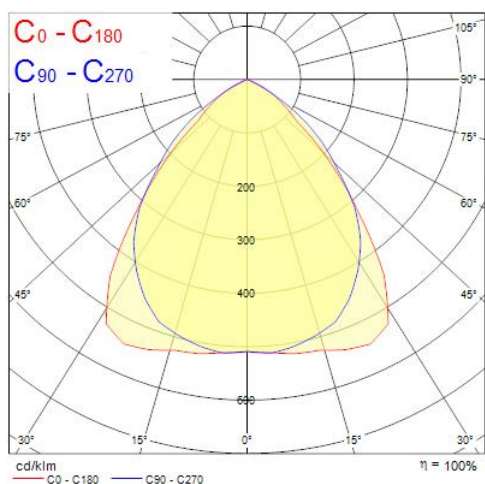
Product Overview

Product name	RANA LED R 600 LO 4K LOUV+PRI DALI EMPRO W G2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture luminous flux (lm)	3000
Luminaire efficacy (lm/W)	94
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	280

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Total power consumption (W)	32
Electrical protection	Class I
Control gear type	Electronic ballast
Housing colour	White
IP rating	IP20
IK rating	IK07
Product EAN number	5410288524092
Warranty	5 years

Photometry



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.96 0.91	5107	43.8°	42.4°	1182
1.0	1.92 1.83	1527	43.8°	42.4°	290
1.5	2.88 2.74	679	43.8°	42.4°	129
2.0	3.84 3.65	392	43.8°	42.4°	83
2.5	4.79 4.57	244	43.8°	42.4°	46
3.0	5.75 5.46	170	43.8°	42.4°	32

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

— C0 - C180 (Half beam angle: 84.6°)

— C90 - C270 (Half beam angle: 87.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.95 0.91	1138	43.6°	42.3°	218
1.0	1.90 1.82	285	43.6°	42.3°	55
1.5	2.85 2.73	126	43.6°	42.3°	24
2.0	3.81 3.64	71	43.6°	42.3°	14
2.5	4.76 4.55	46	43.6°	42.3°	9
3.0	5.71 5.46	32	43.6°	42.3°	7

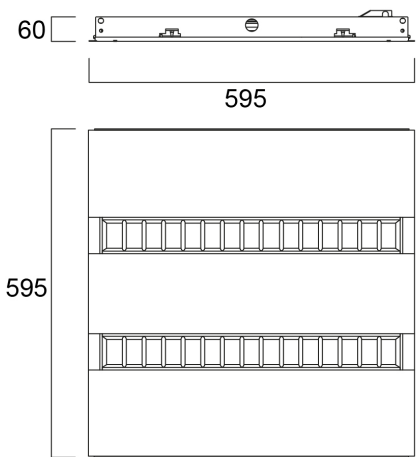
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 84.6°)

— C90 - C270 (Half beam angle: 87.2°)

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Technical drawings



Data table

GENERAL DATA

Product name	RANA LED R 600 LO 4K LOUV+PRI DALI EMPRO W G2
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Performance ambient temperature Tq (°C)	25
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	3000
Luminaire efficacy (lm/W)	94
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80

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Colour Variation Initial (SDCM)	3
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
Lamp power factor	0.98
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
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 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

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PHYSICAL DATA

Housing colour	White
IP rating	IP20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Weight (kg)	5.2
Recessed Depth (mm)	120

PACKAGING

Single packaging type	Carton
Product EAN number	5410288524092
Packaging single width (cm)	6.5
Packaging single depth (cm)	65.0
DUN14 (outer)	05410288524092
Packaging outer length / height (cm)	62.0

SAFETY DATA

Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No