

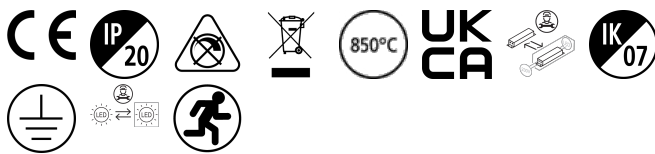
## RANA NEO Recessed 1250

RANA NEO 3700LM REC 1250x310 840 CC EM 1L WHITE  
0052609



### Product features

- Ceiling Recessed LED Linear luminaire (lay-in), with Louvre + MPO diffuser, Direct Light Distribution, Luminaire Dimensions: 1246x308x52mm, Sylvania White body colour, IP20, IK07, Emergency 3 hours, Low LED flicker (+/-5%), Neutral White (4000K), LED Colour Temperature, 3761lm, 32W, 117lm/W, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, Luminance at 65° < 3000 cd/m2, Lifespan: 96,000 hours L80B20, 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 NEO 3700LM REC 1250x310 840 CC EM 1L WHITE
Technology	LED (3 SDCM)
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	3761
Luminous flux (lm)	3761
Luminaire efficacy (lm/W)	117
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 18
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Total power consumption (W)	32
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	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288526096

### DATA TABLE

#### General data

Product name	RANA NEO 3700LM REC 1250x310 840 CC EM 1L WHITE
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## RANA NEO Recessed 1250

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Technology	LED (3 SDCM)
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	3761
Luminous flux (lm)	3761
Luminaire efficacy (lm/W)	117
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 18
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Emergency duration (h)	3

### Electrical data

Total power consumption (W)	32
Mains voltage (V)	220-240V
Lamp power factor	0.97
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	15
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	300
Inrush Current (A)	5.5
Inrush Duration (µs)	20
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. Luminaires per 10A C Breaker	41
Max. Luminaires per 13A C Breaker	53
Max. Luminaires per 16A C Breaker	65
Max. Luminaires per 20A C Breaker	82
Max. Luminaires per 10A B Breaker	41
Max. Luminaires per 13A B Breaker	53
Max. Luminaires per 16A B Breaker	65
Max. Luminaires per 20A B Breaker	82

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### Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	96000

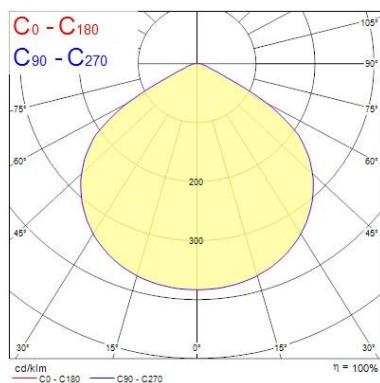
### Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Matt/satinized
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1246
Nominal Product Width (mm)	308
Nominal Product Height (mm)	51
Weight (kg)	5.6

### Packaging

Single packaging type	Carton
Product EAN number	5410288526096
Packaging single length / height (cm)	139.0
Packaging single width (cm)	37.0
Packaging single depth (cm)	9.5
DUN14 (outer)	05410288526096
Units per outer package	1
Packaging outer length / height (cm)	139.0
Packaging outer width (cm)	37.0
Packaging outer depth (cm)	9.5

## PHOTOMETRY



Distance [m]	Cone diameter [m]	E <sub>0</sub> [lx]	E <sub>1</sub> [lx]	E <sub>2</sub> [lx]	E <sub>3</sub> [lx]
0.5	0.91 0.69	9670	42.4° 1901	34.8° 2873	
1.0	1.83 1.38	2390	42.4° 463	34.8° 688	
1.5	2.74 2.07	1069	42.4° 215	34.8° 297	
2.0	3.65 2.76	598	42.4° 131	34.8° 167	
2.5	4.57 3.45	383	42.4° 77	34.8° 107	
3.0	5.48 4.14	286	42.4° 64	34.8° 74	

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 69.2°)  
 — C90 - C270 (Half beam angle: 84.8°)

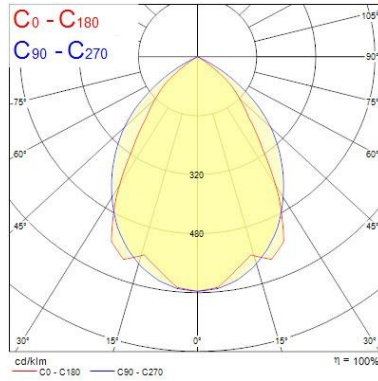
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0.5	1.51	E(0°) E(C0)	56.4°	123 10
1.0	3.01	E(0°) E(C0)	56.4°	31 3
1.5	4.52	E(0°) E(C0)	56.4°	14 1
2.0	6.02	E(0°) E(C0)	56.4°	8 1
2.5	7.53	E(0°) E(C0)	56.4°	5 0
3.0	9.03	E(0°) E(C0)	56.4°	3 0

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

— C0 - C180 (Half beam angle: 112.8°)



## TECHNICAL DRAWINGS

