



## Features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1447x187x56mm, White body colour, IP20, IK07, Constant Current, Emergency 3 hours, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 9500lm, 72W, 131lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<17, Luminance at 65° < 3000 cd/m<sup>2</sup>, Lifespan: 96,000 hours L80B20, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.

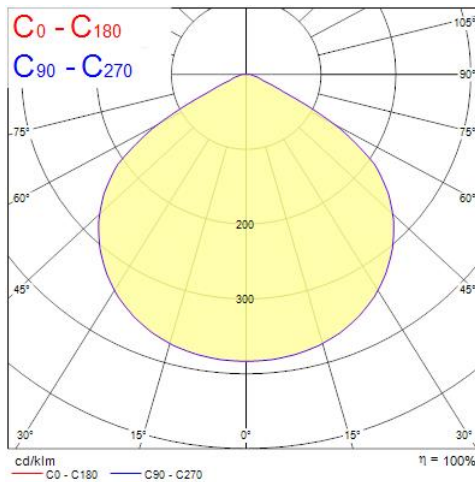
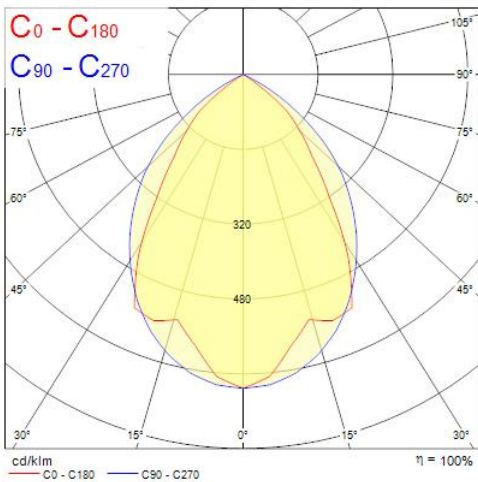
## Product Overview

Product name	RANA NEO 9500LM S 1500 840 CC EM 2L WHITE
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	9500
Luminous flux (lm)	9500
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 17
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Total power consumption (W)	78

## RANA NEO 9500LM S 1500 840 CC EM 2L WHITE 0054265

Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288542652
Warranty	5 years
Dimming method	N/A

### Photometry



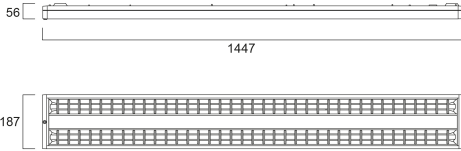
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.90 0.68	41.9°	34.4°	25485 8270 7198	
1.0	1.79 1.37	41.9°	34.4°	6371 1317 1799	
1.5	2.69 2.05	41.9°	34.4°	2882 588 800	
2.0	3.59 2.74	41.9°	34.4°	1593 329 450	
2.5	4.49 3.42	41.9°	34.4°	1019 211 288	
3.0	5.38 4.11	41.9°	34.4°	708 145 200	

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 68.8°)  
 — C90 - C270 (Half beam angle: 68.8°)

Distance [m]	Cone diameter [m]	E(0°)	E(C0)	Illuminance [lx]
0.5	1.51	56.4°	123 10	
1.0	3.01	56.4°	31 3	
1.5	4.52	56.4°	14 1	
2.0	6.02	56.4°	8 1	
2.5	7.53	56.4°	5 0	
3.0	9.03	56.4°	3 0	

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 112.8°)

### Technical drawings



### Data table

#### GENERAL DATA

Product name	RANA NEO 9500LM S 1500 840 CC EM 2L WHITE
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
General application	Education, Office
Operating temperature range (°C)	0°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

#### OPTICAL DATA

Fixture luminous flux (lm)	9500
Luminous flux (lm)	9500
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	< 17

## RANA NEO 9500LM S 1500 840 CC EM 2L WHITE 0054265

Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Emergency duration (h)	3

### ELECTRICAL DATA

Total power consumption (W)	78
Mains voltage (V)	220-240V
Lamp power factor	0.95
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)	45
Inrush Duration ( $\mu$ s)	100
Glow Wire Test ( $^{\circ}$ C)	850
Energy Efficiency Class (A->G) of contained light source	C, C(more than 1 Light Source)
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	31
Max. Luminaires per 16A C Breaker	51
Max. Luminaires per 20A C Breaker	62
Max. Luminaires per 10A B Breaker	18
Max. Luminaires per 16A B Breaker	30
Max. Luminaires per 20A B Breaker	37

### LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B20	96000

### PHYSICAL DATA

Housing colour	RAL 9016 - Traffic white / Bezel
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## RANA NEO 9500LM S 1500 840 CC EM 2L WHITE 0054265

IP rating	IP20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1440
Nominal Product Width (mm)	187
Nominal Product Height (mm)	47
Weight (kg)	3.9

### PACKAGING

Single packaging type	Carton
Product EAN number	5410288542652
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (outer)	05410288542652
Units per outer package	1
Packaging outer length / height (cm)	153.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	21.0

### SAFETY DATA

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