

RANA NEO Surface 1200

RANA NEO 7500LM S 1200 840 CC EM 2L WHITE

0054241



Product features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x56mm, White body colour, IP20, IK07, Constant Current, Emergency 3 hours, Low LED flicker (+/-5%), Neutral White (4000K) LED Colour Temperature, 7500lm, 59W, 127lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, Luminance at 65° < 3000 cd/m2, 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 7500LM S 1200 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
Warranty	5 years
Fixture luminous flux (lm)	7500
Luminous flux (lm)	7500
Luminaire efficacy (lm/W)	127
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)	59
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	5410288542416

DATA TABLE

General data

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Product name	RANA NEO 7500LM S 1200 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)	7500
Luminous flux (lm)	7500
Luminaire efficacy (lm/W)	127
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)	59
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)	12
Inrush Duration (µs)	25
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	24
Max. Luminaires per 13A C Breaker	32
Max. Luminaires per 16A C Breaker	39
Max. Luminaires per 20A C Breaker	49
Max. Luminaires per 10A B Breaker	24
Max. Luminaires per 13A B Breaker	32
Max. Luminaires per 16A B Breaker	39
Max. Luminaires per 20A B Breaker	49

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Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	96000

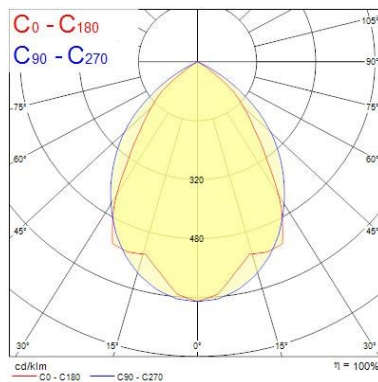
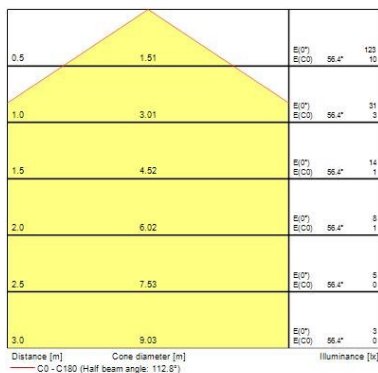
Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1160
Nominal Product Width (mm)	187
Nominal Product Height (mm)	47
Weight (kg)	3.2

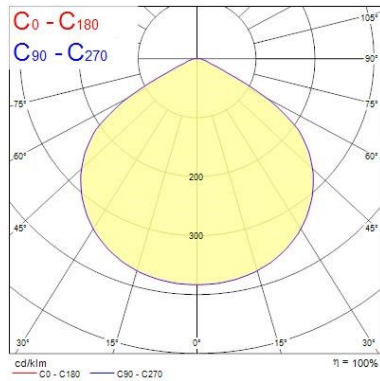
Packaging

Single packaging type	Carton
Product EAN number	5410288542416
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (outer)	05410288542416
Units per outer package	1
Packaging outer length / height (cm)	153.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	21.0

PHOTOMETRY



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Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.90 0.71	$E_{(D)}$ 19554 $E_{(C90)}$ 4210 $E_{(C0)}$ 5337
1.0	1.80 1.41	$E_{(D)}$ 4888 $E_{(C90)}$ 1028 $E_{(C0)}$ 1334
1.5	2.70 2.12	$E_{(D)}$ 2179 $E_{(C90)}$ 448 $E_{(C0)}$ 560
2.0	3.60 2.82	$E_{(D)}$ 1222 $E_{(C90)}$ 251 $E_{(C0)}$ 334
2.5	4.50 3.53	$E_{(D)}$ 782 $E_{(C90)}$ 161 $E_{(C0)}$ 213
3.0	5.40 4.23	$E_{(D)}$ 548 $E_{(C90)}$ 112 $E_{(C0)}$ 148

— C0 - C180 (Half beam angle: 70.4°)
 — C90 - C270 (Half beam angle: 84.0°)

TECHNICAL DRAWINGS

