

RANA NEO Surface 600
RANA NEO 3500LM S 600 840 DALI 2L WHITE
0054213



Product features

- Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 616x616x56mm, White body colour, IP20, IK07, DALI Dimmable, Low LED flicker (+/- 5%), Neutral White (4000K) LED Colour Temperature, 3500lm, 31W, 112lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<15, 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 3500LM S 600 840 DALI 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)	3500
Luminous flux (lm)	3500
Luminaire efficacy (lm/W)	113
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 15
Photobiological Risk Group	RG0
Total power consumption (W)	31
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288542133

DATA TABLE

General data	
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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)	3500
Luminous flux (lm)	3500
Luminaire efficacy (lm/W)	113
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 15
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	31
Mains voltage (V)	220-240V
Lamp power factor	0.96
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	9
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	300
Inrush Current (A)	22.4
Inrush Duration (µs)	176
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	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 16A C Breaker	36
Max. Luminaires per 20A C Breaker	45
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 13A B Breaker	17
Max. Luminaires per 16A B Breaker	22
Max. Luminaires per 20A B Breaker	27

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Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	96000

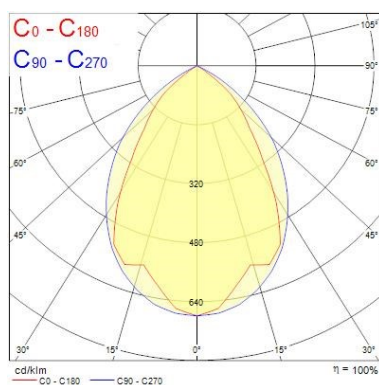
Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	616
Nominal Product Width (mm)	616
Nominal Product Height (mm)	50
Weight (kg)	5.0

Packaging

Single packaging type	Carton
Product EAN number	5410288542133
Packaging single length / height (cm)	67.0
Packaging single width (cm)	6.5
Packaging single depth (cm)	64.5
DUN14 (outer)	05410288542133
Units per outer package	1
Packaging outer length / height (cm)	67.0
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	64.5

PHOTOMETRY



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.89 0.67	9674	41.8° 2007	33.7° 2769
1.0	1.78 1.33	2390	41.8° 502	33.7° 692
1.5	2.66 2.00	1054	41.8° 223	33.7° 308
2.0	3.55 2.67	596	41.8° 132	33.7° 173
2.5	4.44 3.33	383	41.8° 80	33.7° 111
3.0	5.33 4.00	286	41.8° 66	33.7° 77

Distance [m] Cone diameter [m]
 C0 - C180 (Half beam angle: 67.4°)
 C90 - C270 (Half beam angle: 83.2°)
 Illuminance [lx]

TECHNICAL DRAWINGS



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