

RANA Linear Surface&Suspended - Louvre+Prismatic Optic

RANA LINEAR S 3KLM NW LOUV+PRI D

0051263



Product features

- Surface or Suspended LED Linear luminaire with Louvre + Micro Prismatic Optic, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, DALI Dimmable (Switch-Dim), Neutral White LED (4000K), 3250lm, 27W, 120lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<19, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C



PRODUCT OVERVIEW

Product name	RANA LINEAR S 3KLM NW LOUV+PRI D
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Fixture rating	Enclosed
Environment	Internal
General application	Office, Hospitality, Retail, Education
ETIM Class	EC002892
E-number SE	7502664
Warranty	5 years
Fixture luminous flux (lm)	3250
Luminaire efficacy (lm/W)	120.37
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	27
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288512631

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DATA TABLE

General data

Product name	RANA LINEAR S 3KLM NW LOUV+PRI D
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Fixture rating	Enclosed
Environment	Internal
General application	Office, Hospitality, Retail, Education
Operating temperature range (°C)	-25°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number SE	7502664
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3250
Luminaire efficacy (lm/W)	120.37
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Glare control	< 19
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	27
Mains voltage (V)	220-240V
Lamp power factor	0.98
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	Electronic ballast
Transformer required	Yes
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
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

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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

Lifetime data

Lifespan L70 B50	72000
Lifespan L70 B10	72000
Lifespan L80 B50	72000
Lifespan L80 B10	72000
Lifespan L90 B50	72000
Lifespan L90 B20	50000
Lifespan L90 B10	46000

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Reflector finish	Matt
Nominal Product Length (mm)	1150
Nominal Product Width (mm)	87
Nominal Product Height (mm)	87
Weight (kg)	2.95

Packaging

Single packaging type	Carton
Product EAN number	5410288512631
Packaging single length / height (cm)	116.5
Packaging single width (cm)	10.5
Packaging single depth (cm)	10.0
DUN14 (outer)	05410288512631
Units per outer package	1
Packaging outer length / height (cm)	116.5
Packaging outer width (cm)	10.5
Packaging outer depth (cm)	10.0

Safety data

Optimal operating condition (°C)	-25-40
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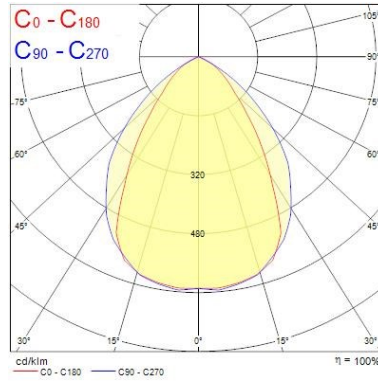
PHOTOMETRY

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0.5	0.95 0.68	E(0°) E(C90) E(C0)	43.6° 34.1°	8189 1871 2332
1.0	1.90 1.36	E(0°) E(C90) E(C0)	43.6° 34.1°	2042 590 553
1.5	2.86 2.03	E(0°) E(C90) E(C0)	43.6° 34.1°	938 175 259
2.0	3.81 2.71	E(0°) E(C90) E(C0)	43.6° 34.1°	511 98 146
2.5	4.76 3.39	E(0°) E(C90) E(C0)	43.6° 34.1°	327 63 92
3.0	5.71 4.06	E(0°) E(C90) E(C0)	43.6° 34.1°	227 44 85

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

— C0 - C180 (Half beam angle: 68.2°)
 — C90 - C270 (Half beam angle: 37.2°)



TECHNICAL DRAWINGS

