

## RANA Linear Surface&Suspended - MicroPrismatic Optic

### RANA LINEAR S 3KLM NW MPO D

### 0051251



#### Product features

- Surface or Suspended LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, DALI Dimmable (Switch-Dim), Neutral White LED (4000K), 3100lm, 31W, 100lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<21, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C



#### PRODUCT OVERVIEW

Product name	RANA LINEAR S 3KLM NW MPO 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	7502668
Warranty	5 years
Fixture luminous flux (lm)	3100
Luminaire efficacy (lm/W)	100
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Glare control	< 21
Photobiological Risk Group	RG0
Total power consumption (W)	31
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	5410288512518

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### DATA TABLE

#### General data

Product name	RANA LINEAR S 3KLM NW MPO 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)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number SE	7502668
Warranty	5 years

#### Optical data

Fixture luminous flux (lm)	3100
Luminaire efficacy (lm/W)	100
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Glare control	< 21
Photobiological Risk Group	RG0

#### Electrical data

Total power consumption (W)	31
Mains voltage (V)	220-240V
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	9
Electrical protection	Class I
Control gear type	Electronic ballast
Transformer required	Yes
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Drive current (mA)	300
Inrush Current (A)	53
Inrush Duration (µs)	300
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 16A C Breaker	22

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### Lifetime data

Lifespan L70 B50	60000
Lifespan L70 B20	60000
Lifespan L70 B10	60000
Lifespan L80 B50	60000
Lifespan L80 B20	60000
Lifespan L80 B10	60000
Lifespan L90 B50	60000
Lifespan L90 B20	60000
Lifespan L90 B10	60000

### Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
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	5410288512518
Packaging single length / height (cm)	116.5
Packaging single width (cm)	10.5
Packaging single depth (cm)	10.0
DUN14 (outer)	05410288512518
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)	-20-40
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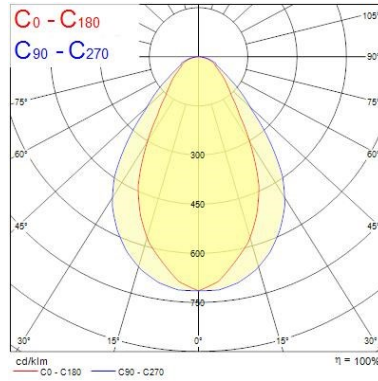
## PHOTOMETRY

## RANA Linear Surface & Suspended - MicroPrismatic Optic *RANA LINEAR S 3KLM NW MPO D* 0051251

0.5	0.81 0.54	E(0°) 3889 E(C90) 3036 E(C0) 3030
1.0	1.62 1.08	E(0°) 2215 E(C90) 822 E(C0) 788
1.5	2.43 1.62	E(0°) 954 E(C90) 232 E(C0) 337
2.0	3.24 2.16	E(0°) 554 E(C90) 130 E(C0) 189
2.5	4.05 2.70	E(0°) 354 E(C90) 84 E(C0) 121
3.0	4.86 3.24	E(0°) 246 E(C90) 68 E(C0) 84

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

— C0 - C180 (Half beam angle: 56.8°)  
 — C90 - C270 (Half beam angle: 78.0°)



### TECHNICAL DRAWINGS

