

RANA Linear Recessed - MicroPrismatic Optic
RANA LINEAR R 3KLM NW MPO D
0052341



Product features

- Ceiling recessed LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1154mm x 90mm x 91mm, 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, Can be covered with building insulation of Glass wool type



PRODUCT OVERVIEW

Product name	RANA LINEAR R 3KLM NW MPO D
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Office, Hospitality, Retail, Education
Warranty	5 years
Fixture luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97.74
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
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	5410288523415

DATA TABLE

General data	
Product name	RANA LINEAR R 3KLM NW MPO D
Technology	LED

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Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Office, Hospitality, Retail, Education
Operating temperature range (°C)	-25°C...+40°C
Performance ambient temperature Tq (°C)	25
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3100
Luminaire efficacy (lm/W)	97.74
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
Colour Consistency (SDCM)	3
Glare control	< 21
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	31
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
Inrush Current (A)	29
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 10A B Breaker	13
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

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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
Nominal Product Length (mm)	1150
Nominal Product Width (mm)	90
Cutout Dimensions (W x L in mm or Diameter in mm)	72
Weight (kg)	3.15
Recessed Depth (mm)	90

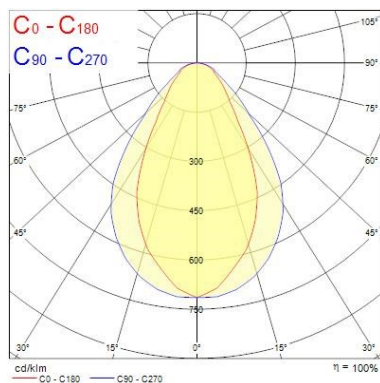
Packaging

Single packaging type	Carton
Product EAN number	5410288523415
Packaging single length / height (cm)	117.09
Packaging single width (cm)	10.52
Packaging single depth (cm)	11.51
Units per outer package	1
Packaging outer width (cm)	10.52
Packaging outer depth (cm)	11.51

Safety data

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



Distance [m]	Cone diameter [m]	Beam angle [°]	Beam diameter [m]	Illuminance [lx]
0.5	0.81 0.54	56.8° 39.0° 28.4°	839 208 300	
1.0	1.62 1.08	56.8° 39.0° 28.4°	215 52 75	
1.5	2.43 1.62	56.8° 39.0° 28.4°	94 23 33	
2.0	3.24 2.16	56.8° 39.0° 28.4°	54 13 18	
2.5	4.05 2.70	56.8° 39.0° 28.4°	34 8 12	
3.0	4.86 3.24	56.8° 39.0° 28.4°	24 6 9	

TECHNICAL DRAWINGS

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