

RANA Linear Surface&Suspended - MicroPrismatic Optic

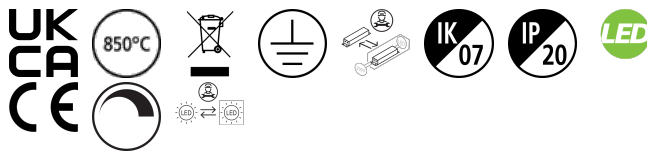
RANA LINEAR S 3KLM WW MPO 1-10

0051255



Product features

- Surface or Suspended LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, 1-10V Dimmable, Warm White LED (3000K), 3030lm, 31W, 98lm/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 WW MPO 1-10
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
Warranty	5 years
Fixture luminous flux (lm)	3030
Luminaire efficacy (lm/W)	97.74
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm 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	1-10V (Analogue)
Minimum dimming level (%)	90
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288512556

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DATA TABLE

General data

Product name	RANA LINEAR S 3KLM WW MPO 1-10
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
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3030
Luminaire efficacy (lm/W)	97.74
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm 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
Electrical protection	Class I
Control gear type	Electronic ballast
Transformer required	Yes
Dimmable	Yes
Dimming method	1-10V (Analogue)
Minimum dimming level (%)	90
Drive current (mA)	305
Inrush Current (A)	45
Inrush Duration (µs)	100
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	51

Lifetime data

Lifespan L70 B50	60000
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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

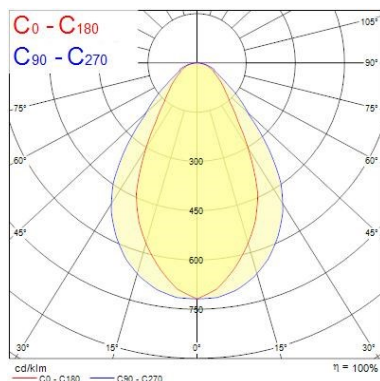
Packaging

Single packaging type	Carton
Product EAN number	5410288512556
Packaging single length / height (cm)	116.5
Packaging single width (cm)	10.5
Packaging single depth (cm)	10.0
DUN14 (outer)	05410288512556
Units per outer package	1
Packaging outer length / height (cm)	116.5
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	10.0

Safety data

Optimal operating condition (°C)	-20-40
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.81 0.54	8707	39.0° 2049	28.4° 2972
1.0	1.62 1.08	2177	39.0° 512	28.4° 743
1.5	2.43 1.62	967	39.0° 238	28.4° 330
2.0	3.24 2.16	544	39.0° 133	28.4° 188
2.5	4.05 2.70	348	39.0° 82	28.4° 119
3.0	4.86 3.24	242	39.0° 67	28.4° 83

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 56.0°)
C90 - C270 (Half beam angle: 78.0°)
Illuminance [lx]

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TECHNICAL DRAWINGS

