

## RANA Linear Surface&Suspended - Opal Diffuser

RANA LINEAR S 3KLM WW OPAL 1-10  
0051280



### Product features

- Surface or Suspended LED Linear luminaire with Opal diffuser, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, 1-10V Dimmable, Warm White LED (3000K), 3220lm, 31W, 104lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<23, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C



### PRODUCT OVERVIEW

Product name	RANA LINEAR S 3KLM WW OPAL 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)	3220
Luminaire efficacy (lm/W)	103.87
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Glare control	< 23
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	IK01
Product EAN number	5410288512808

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### DATA TABLE

#### General data

<b>Product name</b>	RANA LINEAR S 3KLM WW OPAL 1-10
<b>Technology</b>	LED
<b>Cap/Base</b>	N/A
<b>Housing</b>	Steel
<b>Mount</b>	Ceiling surface mounting, Suspended
<b>Fixture rating</b>	Enclosed
<b>Environment</b>	Internal
<b>General application</b>	Office, Hospitality, Retail, Education
<b>Operating temperature range (°C)</b>	-20°C...+40°C
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC002892
<b>Warranty</b>	5 years

#### Optical data

<b>Fixture luminous flux (lm)</b>	3220
<b>Luminaire efficacy (lm/W)</b>	103.87
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	3000
<b>Light colour</b>	Warm White
<b>CRI (Ra)</b>	80
<b>Colour Consistency (SDCM)</b>	3
<b>Adjustable chromaticity</b>	N
<b>Glare control</b>	< 23
<b>Photobiological Risk Group</b>	RG0

#### Electrical data

<b>Total power consumption (W)</b>	31
<b>Mains voltage (V)</b>	220-240V
<b>Electrical protection</b>	Class I
<b>Control gear type</b>	Electronic ballast
<b>Transformer required</b>	Yes
<b>Dimmable</b>	Yes
<b>Dimming method</b>	1-10V (Analogue)
<b>Minimum dimming level (%)</b>	90
<b>Drive current (mA)</b>	305
<b>Inrush Current (A)</b>	45
<b>Inrush Duration (µs)</b>	100
<b>Glow Wire Test (°C)</b>	850
<b>Energy Efficiency Class (A-&gt;G) of contained light source</b>	C
<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>Max. Luminaires per 16A C Breaker</b>	51

#### Lifetime data

<b>Lifespan L70 B50</b>	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	IK01
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1150
Nominal Product Width (mm)	87
Nominal Product Height (mm)	87
Weight (kg)	2.95

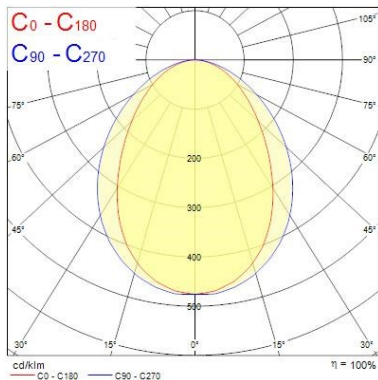
### Packaging

Single packaging type	Carton
Product EAN number	5410288512808
Packaging single length / height (cm)	116.5
Packaging single width (cm)	10.5
Packaging single depth (cm)	10.0
DUN14 (outer)	05410288512808
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



Distance [m]	Cone diameter [m]	E <sub>v</sub> (0°) [lx]	E <sub>v</sub> (C90) [lx]	E <sub>v</sub> (C0) [lx]
0.5	1.13 0.90	6128	48.8° 988	38.8° 1421
1.0	2.27 1.80	1532	48.8° 232	38.8° 368
1.5	3.40 2.70	681	48.8° 99	38.8° 183
2.0	4.54 3.60	303	48.8° 55	38.8° 92
2.5	5.67 4.50	245	48.8° 44	38.8° 74
3.0	6.81 5.40	170	48.8° 32	38.8° 54

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

— C0 - C180 (Half beam angle: 77.0°)  
— C90 - C270 (Half beam angle: 97.2°)

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### TECHNICAL DRAWINGS

