



Features

- Ceiling recessed LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, Emergency 3 hours maintained, Neutral White LED (4000K), 2890lm, 35W, 83lm/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

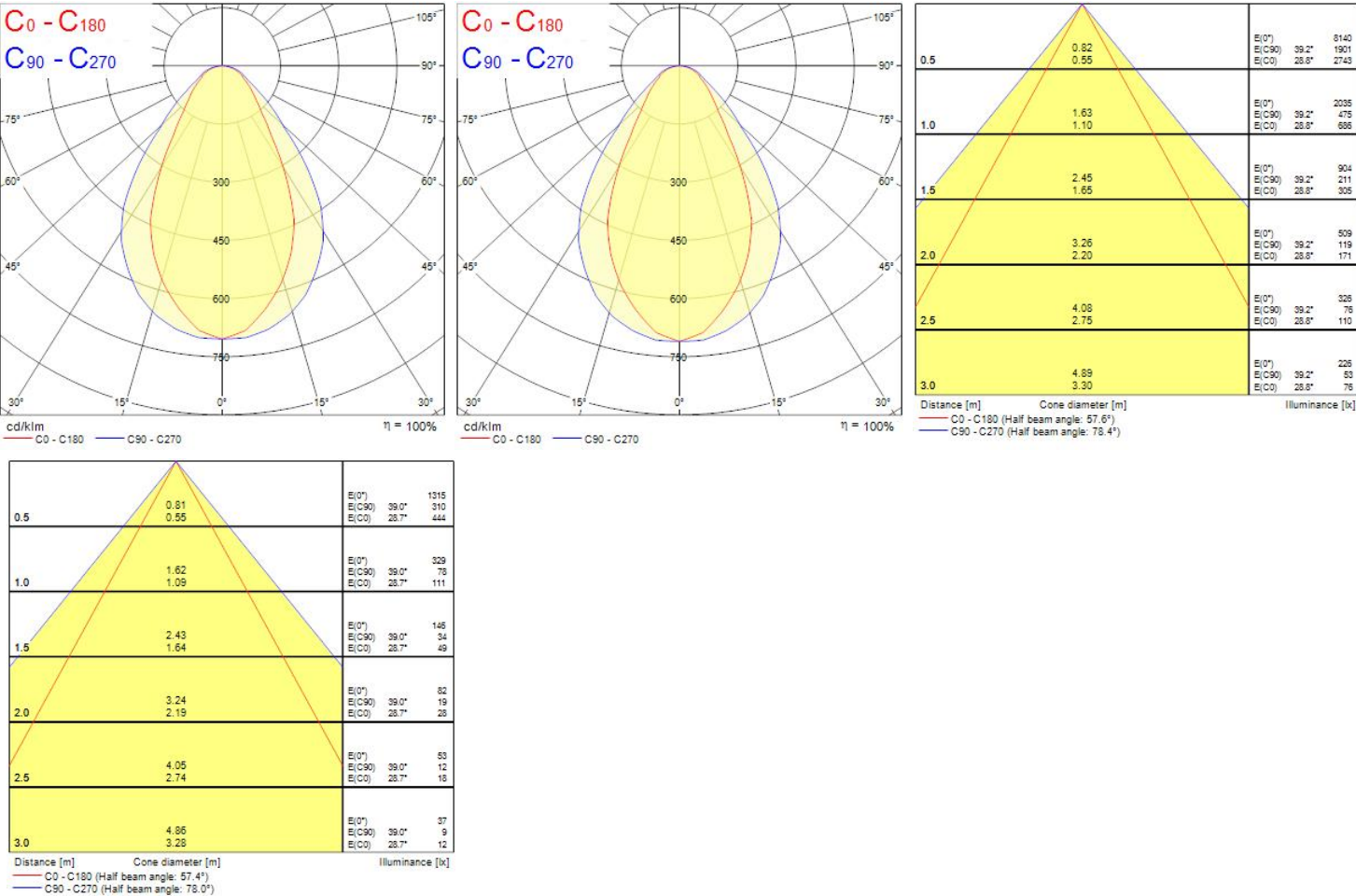
Product Overview

Product name	RANA LINEAR R 3KLM NW MPO EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
Environment	Internal
Fixture luminous flux (lm)	2890
Luminaire efficacy (lm/W)	82.57
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	3
Glare control	< 21
Photobiological Risk Group	RG0
Total power consumption (W)	35
Electrical protection	Class I

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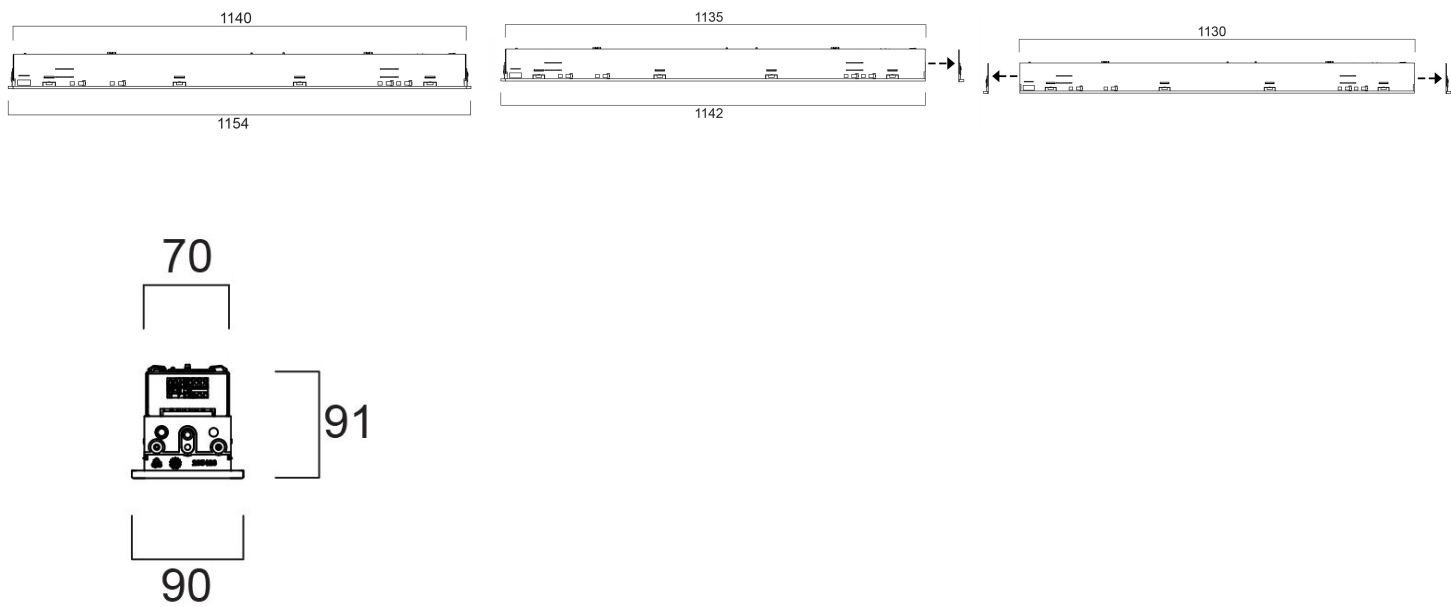
Control gear type	Electronic ballast
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288523484
Warranty	5 years

Photometry



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Technical drawings



Data table

GENERAL DATA

Product name	RANA LINEAR R 3KLM NW MPO EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
Environment	Internal
Operating temperature range (°C)	5°C...+30°C
Performance ambient temperature Tq (°C)	25



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Warranty	5 years
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OPTICAL DATA

Fixture luminous flux (lm)	2890
Luminaire efficacy (lm/W)	82.57
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	3
Adjustable chromaticity	N
Glare control	< 21
Photobiological Risk Group	RG0
Emergency duration (h)	3.0

ELECTRICAL DATA

Total power consumption (W)	35
Primary Supply/Product voltage - min (V)	220
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Drive current (mA)	300
Inrush Current (A)	22
Inrush Duration (µs)	250
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	40
Max. products per 20A B Breaker	48

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Connectable conductor cross section - Min (mm ²)	2.5
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Connectable conductor cross section - Max (mm ²)	2.5
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LIFETIME DATA

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

Housing colour	RAL 9016 - Traffic white / Bezel
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IP rating	IP20
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IK rating	IK07
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Diffuser finish	Prismatic
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Diffuser material	PC Polycarbonate
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Nominal Product Length (mm)	1150
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Nominal Product Width (mm)	90
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Weight (kg)	3.75
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Recessed Depth (mm)	90
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PACKAGING

Single packaging type	Carton
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Product EAN number	5410288523484
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Packaging single width (cm)	10.5
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Packaging single depth (cm)	11.5
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DUN14 (outer)	5410288523484
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Packaging outer length / height (cm)	117.0
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SAFETY DATA

Optimal operating condition (°C)	5-30
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No